CONTRACT DOCUMENT

FOR THE

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

THE CONTRACT

Framework Contract Period: **From the date of Commencement for a period of 120 months, subject to the approval of a section 33 process.**

ISSUED BY:
EXECUTIVE DIRECTOR: BULK SERVICES WATER & SANITATION CITY OF CAPE TOWN Tower Block, Civic Centre 12 Hertzog Boulevard CAPE TOWN 8001

For official use.

[redacted]

13 JUNE 2025

NAME OF TENDERING ENTITY	ZUTARI (PTY) LTD
EMAIL ADDRESS OF TENDERING ENTITY	CAPETOWN@ZUTARI.COM
FAX NUMBER OF TENDERING ENTITY	NOT APPLICABLE
NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause C.2.12)	

[redacted]

Part C1: Agreements and Contract Data

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CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Making progress possible. Together.

MEMORANDUM OF AGREEMENT

FOR

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

MADE AND ENTERED INTO BETWEEN

CITY OF CAPE TOWN METROPOLITAN MUNICIPALITY

And

SERVICE PROVIDER	
NAME of Company/Close Corporation or Partnership / Joint Venture/ Consortium or Sole Proprietor /Individual (The "Contractor" / "tenderer")	ZUTARI (PTY) LTD
TRADING AS (if different from above)	ZUTARI (PTY) LTD
REGISTRATION NUMBER	[redacted]
PHYSICAL ADDRESS / CHOSEN DOMICILIUM CITANI ET EXECTUANDI OF THE CONTRACTOR	[redacted]
AUTHORISED REPRESENTATIVE	[redacted]
CAPACITY OF AUTHORISED REPRESENTATIVE	TECHNICAL DIRECTOR: WATER AFRICA

(HEREINAFTER COLLECTIVELY REFERRED TO AS "THE PARTIES" AND INDIVIDUALLY A "PARTY")

[redacted]

Preamble

WHEREAS the City of Cape Town is desirous to award this Tender to the successful Service Provider;

AND WHEREAS the City of Cape Town will consider and evaluate the offer made by the Tenderer/Service Provider;

AND WHEREAS the Parties agree that this Contract is subject to the terms and conditions as contained in the final award of the City's Bid Adjudication Committee (BAC);

AND WHEREAS the Tendarar/Service Provider egrees that the terms and conditions of the award will become binding upon communication of the award made by the BAC, upon the expiration of the prescribed appeal period in terms of Section 62 of the Municipal Systems Act and the furnishing of a duly counter signed contract by the City to the Service Provider reflecting the BAC award.

NOW THEREFORE, the Parties agree and confirm that the Contract contains the following:

a) the Form of Offer and Acceptance,

b) the Contract Specific Data within the Contract Data,

c) the Standard Professional Services Contract (July 2009) (Edition 3 of CIDB document 1014),

d) the Scope of Work,

e) the Pricing Data, and

f) Drewings

g)the conditions of tender, the tender data and tender schedules

SIGNED AT CAPE TOWN (PLACE) ON THE 19 (DAY) OF JUNE 2026 (MONTH AND YEAR)

[redacted]

For and on behalf of the Service Provider
(Duly Authorised)
[redacted]

[redacted]

Witness 1 Signature
Name and Surname: [redacted]

[redacted]

Witness 2 Signature
Name and Surname: [redacted]

[redacted]

For and on behalf of the City of Cape Town
(Duly Authorised)

Name and Surname: [redacted]

[redacted]

Witness 1 Signature
Name and Surname:

[redacted]

Witness 2 Signature

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

C1.1 Form of Offer and Acceptance

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

CONTRACT NO. 308C/2024/25: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THIS IS A RATES BASED CONTRACT

The rates as contained in Part C2.2: Schedules of Rates, shall form the tender offer. These rates shall be multiplied, as applicable, by the quantities required in respect of relevant items to develop individual Works Projects to be allocated in accordance with Clause 4.8 of Part C1.2: Contract Data in this Framework Contract document.

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

	Service Provider
Business Name	ZUTARI (PTY) LTD
Business Registration	ZUTARI (PTY) LTD
Tax number (VAT)	[redacted]
Physical Address	[redacted]
Signed – who by signature hereto warrants authority	[redacted]
Name of signatory	[redacted]
Signed: Date	2025-08-07
Signed: Location	CENTURY CITY
Signed: Witness	[redacted]
Name of Witness	

For official use.
[redacted]

[redacted]

Acceptance

By signing this part of this form of offer and acceptance, the City of Cape Town accepts the tenderer's (now Service Provider's) offer. In consideration thereof, the City of Cape Town shall pay the Service Provider the amount due in accordance with the conditions of contract. Acceptance of the Service Provider's offer shall form an agreement between the City of Cape Town and the Service Provider upon the terms and conditions contained in this document.

The terms of the contract are contained in:

Part C1:	Agreements and contract data (which includes this agreement)
Part C2:	Pricing data
Part C3:	Scope of work
Part C4:	Site information

and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and the City of Cape Town during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule of deviations.

The service provider shall within two weeks after contract commencement, contact the City of Cape Town to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documents to be provided in terms of the special conditions of contract. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation/breach of the agreement.

Unless indicated otherwise in the Deviation Schedule , this agreement comes into effect on the Commencement date, being the date upon which the Service Provider confirms receipt from the City of Cape Town of 1 (one) complete, signed copy of this contract, including amendments or deviations contained in the schedule of deviations (if any).

[redacted]

For and on behalf of the City of Cape Town
(Duly Authorised)

[redacted]

Name and Surname

[redacted]

Witness 1 Signature

[redacted]

Name and Surname

[redacted]

Signature

[redacted]

Name and Surname

[redacted]

Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the employer before the tender closing date is limited to those permitted in terms of the conditions of tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1 Subject: Addendum 1: 8 July 2025

Details . . . Clarification meeting minutes and presentation. Addendum attached to Returnable Schedule 22 of this contract document.

2 Subject :. Addendum 2: 17 July 2025.

Details . . .Response to clarification questions received during tender advertisement phase and amendments to tender document. Addendum attached to Returnable Schedule 22 of this contract document. Amendment pages included in this contract document.

3 Subject: Addendum 3:. . 30 July 2025

Details . . . Response to clarification questions received during tender advertisement phase. Addendum attached to Returnable Schedule 22 of this contract document.

4 Subject: Addendum 4:. . 5 August 2025.

Details . . . Response to clarification questions received during tender advertisement phase and amendments to tender document. Addendum attached to Returnable Schedule 22 of this contract document. Amendment pages included in this contract document

5 Subject: Clarification Letter dated 25 September 2025 and Response dated 3 October 2025

Details The Clarification Letter and Response from Tenderer is attached to the schedule of deviations.

By the duly authorised representatives signing this agreement, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

FINANCE
SUPPLY CHAIN MANAGEMENT

E: [redacted]

25 September 2025

The Manager
Zutari (Pty) Ltd
[redacted]

Email: [redacted]

Dear Sir/Madam

TENDER NO: 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

Clarification No. 1

The Bid Evaluation Committee (BEC) is in the process of evaluating your tender offer for the above-mentioned tender. In terms of Clause C.2.17 of the Tender Data, we request that you provide further information or clarification on the following points with respect to the matters below:

C2.1.4.2 Key Personnel

b) A Process Design Engineer who is:

i. A Civil Engineer, professionally registered as an Engineer (PR Eng.) with the Engineering Council of South Africa (ECSA) , who has at least 10 (ten) years' verifiable postgraduate experience in the analyses and design of Water Treatment Plants and Wastewater Treatment Plants and a Postgraduate qualification in Water and Wastewater Engineering or

ii. A Chemical Engineer, professionally registered as an Engineer (PR Eng.) with the Engineering Council of South Africa (ECSA), who has at least 10 (ten) years' verifiable postgraduate experience in the analyses and design of Water Treatment Plants and Wastewater Treatment Plants.

In terms of C2.1.4.2 b), for the Process Design Engineer you submitted a postgraduate qualification for Master's in Civil Engineering, the BEC understands that not all Universities will state the specialisation, we hereby request you to confirm and provide supporting evidence of the specialisation.

C3.11.4 Risk Analysis
Notwithstanding compliance with the requirements of the tender, the employer will perform a risk analysis in respect of the following:

a) reasonableness of the financial offer
b) reasonableness of unit rates and prices
c) reasonableness of the unit rates in-terms of market-related, justifiable and align with industry norms and standards.
d) The number of items with a "nil" rate.
e)the tenderer's ability to fulfil its obligations in terms of the tender document, that is, that the tenderer can demonstrate that he/she possesses the necessary professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial

[redacted]

capability, reliability, capacity, experience, reputation, personnel to perform the contract, etc.; the Employer reserves the right to consider a tenderer's existing contracts with the Employer in this regard
f) any other matter relating to the submitted bid, the tendering entity, matters of compliance, verification of submitted information and documents, etc.

The conclusions drawn from this risk analysis will be used by the Employer in determining the acceptability of the tender offer in terms of C.3.13).

Low Rates Tendered

In terms of Clause 3.11.4 b) and c), the line items extracted from your tender submission (refer to Table 1 below), are considered to be low rates and have been identified as a risk to the successful completion of work undertaken in this contract. Thus, we request you to provide supporting evidence and advance arguments in support of the low rates tendered.

Table 1: Item with Low Rates Tendered

Item No	Item Description	Unit	Rate	Clarification response
1.10.	HYDRAULIC ENGINEER	Hour	R988.00	
1.13.2.	Principal (>10 years' experience)	Hour	R1 375.00	
1.18.1.	Public Participation Practitioner (Lead)	Hour	R705.00	
1.22.6.	Infrastructure Asset Management Specialist	Hour	R1 125.00	
2.10.	HYDRAULIC ENGINEER	Hour	R988.00	
2.21.6	Infrastructure asset Management Specialist	Hour	R1 125.00	
2.22.1	Chief/ Lead Resident Engineer (Level 3 monitoring)	month	R125 000.00	
2.22.2	Resident Engineer (Level 3 Monitoring)	month	R102 000.00	
3.20	Water Resource modelling specialist	Hour	R970.00	
3.21	Water Resource Planning Engineer	Hour	R876.00	
3.23	Communication Specialist	Hour	R799.00	
3.25	Graphic Designer	Hour	R717.00	

Please note that this is not an opportunity to change the tendered rates, but only for your company to confirm and provide evidence that the work can be conducted within the tendered rates.

Your response to the above would need to be forwarded to the SCM Department via email [redacted] and received by no later than **close of business (17:00) on Friday, 3rd October 2025.** If no response is received, your offer may be deemed non-responsive.

Yours sincerely

p.p. [redacted]

For Director: Supply Chain Management

[redacted]

ZUTARI

[redacted]

zutari.com

3 October 2025

Per Email: [redacted]

[redacted]

Dear Sir

TENDER NO: 308C/2024/25: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS:

CLARIFICATION No 1

Thank you for your letter dated 25 September 2025, with the abovementioned subject. Our response to your request for further information and clarification in respect of our associated tender follows.

C2.1.4.2 Key Personnel – b) Process Design Engineer

Our tender proposed [redacted] this Key Personnel role (full name [redacted]. We confirm that [redacted] as a Master of Science Degree in Civil Engineering, specialising in water and wastewater treatment. We have included, in Appendix A, a copy of his academic record at the University of Cape Town, showing both his undergraduate and postgraduate record, and confirming that his postgraduate studies included the following subjects:

1. Wastewater Treatment Part 1
2. Wastewater Treatment Part 2
3. Aquatic Chemistry
4. Advanced Aquatic Chemistry.

The academic record also confirms that [redacted] completed a dissertation submitted in partial fulfilment of his postgraduate studies. The title of his dissertation was "Design and Performance of BNR Activated Sludge Systems with Flat Sheet Membranes for Solid-Liquid Separation". A copy of the dissertation can be accessed via the following link: https://open.uct.ac.za/items/f6a9255b-42d4-4002-82c9-82393cda95bb.

Kindly note that the academic record was provided and signed by the Department of Civil Engineering. The university requires a longer period than was available to respond to this clarification, to provide an academic record signed by the Registrar.

C3.11.4 Risk Analysis – Low Rates Tendered

Your letter included a table showing line items extracted from our tender that you consider to be low rates to the successful completion of the project. May we note the following generally:

1. In Item C3.11.4(e), you reserve "the right to consider a tenderer's existing contracts with the Employer". May we refer you to Works Project BW-WP13: Faure New Water Scheme, for which we

[redacted]

are providing professional services under Framework Contract 194C/2020/21. Our tendered rates for Tender No 308C/2024/25 are, in several instances, based on staff who have successfully delivered professional services for Works Project BW-WP13.

2. We have not tendered any "nil rates" as we are persuaded that this would pose a risk to both the City of Cape Town (the City) and to ourselves and would undermine the intent of the envisaged framework contract. We understand that the City requires a wide portfolio of professional services, and we have priced our tendered rates to provide professionals who meet the intended requirements in each instance.
3. Our tendered rates are optimised to offer value to the City whilst ensuring reasonable and competitive market-related rates that will allow us to deliver a sustainable and high-quality service. Furthermore, the relatively few items that have been identified as "low rates" should be considered in the context of the broader balanced portfolio of items.

Table 1 replicates the table in your letter in which you identified items with low rates. We have included a response for each item in the table.

Table 1: Clarification response for each item identified to have a low rate

Item No	Item Description	Unit	Rate		Clarification response
1.10.	HYDRAULIC ENGINEER	Hour	R	988.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in Note B3 in C2.1.
1.13.2.	Principal (>10 years' experience)	Hour	R	1 375.00	We have based our rate on a Professional Architect who has served as a sub-consultant to us for over a decade, and who has experience and expertise commensurate with the requirements of the Architectural Profession Act, 2000 (Act No 44 of 2000) and the Guideline Professional Fees in terms of Section 34 (2) of the Architectural Profession Act, 2000 Act 44 of 2000 per Board Notice 172 of 2021 as gazetted in Government Gazette no. 45554, 26 November 2021. This person fulfils the same role for our current work under *Framework Contract 194C/2020/21, Works Project BW-WP13.*
1.18.1.	Public Participation Practitioner (Lead)	Hour	R	705.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in Note B9.1 in C2.1.
1.22.6.	Infrastructure Asset Management Specialist	Hour	R	1 125.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in C2.1.4.2 in Schedule 12 of Part C5.2, and in Note B12.6 in C2.1. This person fulfils the same role for our current work under *Framework Contract 194C/2020/21, Works Project BW-WP13.*
2.10.	HYDRAULIC ENGINEER	Hour	R	988.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in Note B3 in C2.1 (as per Item 1.10. above).
2.21.6	Infrastructure asset Management Specialist	Hour	R	1 125.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in C2.1.4.2 in Schedule 12 of Part C5.2, and in Note B12.6 in C2.1. This person fulfils the same role for our current work under *Framework Contract 194C/2020/21, Works Project BW-WP13* (as per Item 1.22.6. above).

[redacted]

Item No	Item Description	Unit	Rate	Clarification response
2.22.1	Chief/ Lead Resident Engineer (Level 3 monitoring)	month	R 125 000.00	We have based our rate on a staff member who is compliant with the requirements for this role as specified in Note B13.1 in C2.1.
2.22.2	Resident Engineer (Level 3 Monitoring)	month	R 102 000.00	We have based our rate on a staff member who is compliant with the requirements for this role as specified in Note B13.2 in C2.1.
3.20	Water Resource modelling specialist	Hour	R 970.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in Note B22 in C2.1.
3.21	Water Resource Planning Engineer	Hour	R 876.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in Note B23 in C2.1.
3.23	Communication Specialist	Hour	R 799.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in Note B25 in C2.1.
3.25	Graphic Designer	Hour	R 717.00	We have based our rate on a staff member in our employ who is compliant with the requirements for this role as specified in Note B27 in C2.1.

We thank you for considering our submission for this tender and for the opportunity to provide clarification. Please contact the undersigned if you require further clarification or information.

Yours faithfully

ZUTARI (PTY) LTD

[redacted]

Design Director | Expertise Lead:
Water and Wastewater Treatment

Attached: Appendix A: Academic Record for Geoff du Toit

[redacted]

ZUTARI

Appendix A:

Academic Record for [redacted]

[redacted]

Academic Record

[redacted]

Name: [redacted]
Campus ID: DTTGEO001
Birthdate: 27/02/1981

Print Date: 01/10/2025

Requestor: [redacted]

- - - - - Beginning of Undergraduate Record - - - - -

2000

Programme: BScEng in Civil Engineering
Specialisation: General Specialisation

Course		Description	NQF Level	NQF Credits	Results	
CEM	108F	Chemistry For Engineers			65	2-
CIV	104W	Engineering I			57	3
MAM	103W	Mathematics 103			73	2+
MAM	142S	Engineering Statics			89	1
MEC	102W	Engineering Drawing			73	2+
PHY	110W	Physics 110			68	2-

Academically eligible to continue in programme

2001

Programme: BScEng in Civil Engineering
Specialisation: General Specialisation

Course		Description	NQF Level	NQF Credits	Results	
CIV	100X	Practical Training			PA	PA
CIV	200X	Practical Training			PA	PA
CIV	230F	Mechanics Of Solids			72	2+
CIV	231S	Structural Engineering I			59	3
CIV	232S	Water Engineering I			60	2-
CIV	233S	Urban Engineering I			63	2-
ECO	110F	Microeconomics			68	2-
ECO	111S	Macroeconomics			65	2-
MAM	280W	Mathematics 280			61	2-
MEC	242F	Materials Science In Eng			78	1
SUR	208F	Surveying For Engineers			60	2-
SUR	209X	Survey Camp 209			PA	PA

Academically eligible to continue in programme

2002

Programme: BScEng in Civil Engineering
Specialisation: General Specialisation

Issued on 01/10/2025 10:18

[redacted]

Academic Record

Name: [redacted]
Campus ID: [redacted]
Birthdate:

Course		Description	NQF Level	NQF Credits	Results	
BUS	210F	Marketing I			57	3
CIV	331F	Structural Engineering II			61	2-
CIV	332S	Water Engineering II			60	2-
CIV	333F	Urban Engineering II			64	2-
CIV	334S	Geotechnical Engineering I			71	2+
CIV	335S	Structural Engineering III			60	2-
CIV	336F	Water Engineering III			55	3
CIV	337S	Transportation Engineering			56	3
GEO	103F	Intro Geology For Eng Students			65	2-

[redacted]

Academically eligible to continue in programme

2003

Programme: BScEng in Civil Engineering
Specialisation: General Specialisation

Course		Description	NQF Level	NQF Credits	Results	
CIV	220X	Practical Experience			PA	PA
CIV	431F	Structural Engineering IV			57	3
CIV	432F	Water Engineering IV			67	2-
CIV	433Z	Professional Practice			72	2+
CIV	434F	Geotechnical Engineering II			62	2-
CIV	435C	Design Project			73	2+
CIV	436D	Thesis			73	2+
EGS	406F	IntroToEnviroAssess&Managemt			70	2+

Programme Completed, Qualified for Degree/Diploma

Qualification: BSc Engineering in Civil Engineering
Confer Date: 08/12/2003

Issued on 01/10/2025 10:18

[redacted]

Academic Record

[redacted]

[redacted]

Name:
Campus I
Birthdate:

Print Date: 01/10/2025

Requestor: [redacted]

----- Beginning of Masters Record -----

2005

Programme: Master of Science Engineering
Specialisation: Civil Engineering Specialisation

Course		Description	NQF Level	NQF Credits	Results	
CIV	500Z	Masters In Civ Eng - Part Diss			OS	
CIV	508G	Wastewater Treatment Part 1			71	2+
CIV	509T	Wastewater Treatment Part 2			78	1
CIV	510F	Aquatic Chemistry			72	2+
CIV	512S	Advanced Aquatic Chemistry			74	2+

Academically eligible to continue in programme

2006

Programme: Master of Science Engineering
Specialisation: Civil Engineering Specialisation

Course		Description	NQF Level	NQF Credits	Results	
CIV	5000Z	MSc Civil Engineering Part Dis			PA	PA
END	5050X	Masters Paper Requirement			PA	PA

Qualifies for award of degree/diploma

Qualification: Master of Science in Engineering
Confer Date: 15/06/2007

Programme: Master of Science Engineering
Thesis/Dissertation
Design and Performance of BNR Activated Sludge Systems with Flat Sheet Membranes for Solid-Liquid Separation

The conduct of the student was satisfactory.

The University of Cape Town teaches and examines in English.

Issued on 01/10/2025 10:18

[redacted]

Academic Record

Name: [redacted]
Campus ID
Birthdate:

[redacted]

---------- End of Transcript ----------

DEPT SYSTEM REQUEST - NOT SIGNED BY REGISTRAR
Registrar (Interim)

[redacted]

See overleaf for an explanation of symbols used

Issued on 01/10/2025 10:18

[redacted]

TENDER [308C/2024/25]: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

(TO BE FILLED IN BY THE SERVICE PROVIDER)

Confirmation of Receipt

The service provider identified in the offer part of the Contract hereby confirms receipt from the City of Cape Town (identified in the acceptance part) of 1 (one) complete, signed copy of the Contract containing price schedule as awarded by the BAC, including the *Schedule of Deviations* (if any) on:

The.....1..... (Day)

Of.....7..... (Month)

20.26..... (year)

At..... (Place)

For the Supplier: Signature(s) . . . [redacted] . . . . . .

Name(s) . . [redacted] . . . . . .

Capacity . . [redacted] . . . . . .

Signature and name of witness:

Signature . . [redacted] . . . . . Name [redacted]

C1.2 Contract Data

Part 1: Contract Data provided by the Employer

GENERAL CONDITIONS OF CONTRACT

The General Conditions of Contract are the **Standard Professional Services Contract (July 2009) (Edition 3 of CIDB document 1014)**, as published by the Construction Industry Development Board.

Copies of these General Conditions of Contract may be obtained from the Construction Industry Development Board's website [redacted] Copies of the General Conditions of Contract are also available for inspection and scrutiny at the offices of the Employer.

The pro-formas attached to the Standard Professional Services Contract (July 2009) on pages 17 to 24 shall not apply to this Contract and shall be replaced with the documentation bound into this Contract Document.

The General Conditions of Contract make several references to the Contract Data for specific data, which together with the standard contract collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the General Conditions of Contract.

The General Conditions of Contract shall be read in conjunction with the variations, amendments and additions set out in the Contract Specific Data below. Each item of data given below is cross-referenced to the clause in the General Conditions of Contract to which it mainly applies.

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

a) the Form of Offer and Acceptance,
b) the Contract Specific Data within the Contract Data,
c) the Standard Professional Services Contract (July 2009) (Edition 3 of CIDB document 1014),
d) the Scope of Work, and
e) the Pricing Data and
f) drawings
g) the conditions of tender, the tender data and tender schedules

If an ambiguity or discrepancy is found in the documents, the Employer shall issue any necessary clarification or instruction.

CONTRACT SPECIFIC DATA

The following contract specific data is applicable to this Contract:

Clause 1:
Delete the following definitions and replace with:

Contract
*See **Framework Contract***

Contract Price
*The price to be paid for the performance of the **Services** in accordance with the pricing data as reflected in the accepted amount of each **Works Project.***

Employer
*The **Employer** is the **CITY OF CAPE TOWN.***

[redacted]

Key Persons
Key personnel shall have the same meaning as Key Persons.
Persons who are referred to as such in the Contract Data who will be engaged in the performance of the Services.

Period of Performance
*The period, relating to a **Works Project**, within which the **Services** are to be performed and completed, commencing from the **Start Date of the Works Project**.*

*Add the following to the definition of **Period of Performance:***

*The period(s) of performance for these services rendered under the **Framework Contract** will be stipulated ~~defined~~ in the **Contract Data** of the **Works Project Document**.*

Project
*The project named in the **Works Project** for which the Services are to be provided.*

Start Date** of the **Framework Contract
The Start Date is the date when the service provider confirms receipt of one fully completed original signed copy of this document, including the acceptance part of the form of offer and acceptance, and schedule of deviations (if any).

Start Date** of **Works Projects
*The date of the authorisation of the **purchase order** relating to any **Works Project**.*

Add the following new definitions:

Activity Schedule
*The part of the **Works Project Document** that sets out the compilation of the **Contract Price** and complied based on the **Schedule of Rates**.*

Ad Hoc Nature
With reference to a framework contract means where there are no fixed monthly financial commitments.

Alternative Supplier
means the second highest ranked eligible (subject to Clause C.3.11 of the Tender Data) Service Provider appointed by the Employer under the Framework Contract to be available to execute Works projects, for the duration of the Framework Contract Period, only if the "Winner" declines/refuses a Works project or unless the Employer considers the "Winner" not to be performing on existing Works project (refer to clause 5.1.3 in C 1.2: Contract Data).

Framework Contract
*Part C1 of this document signed by the **Parties** and all documents referenced therein that together forms the **framework contract** between the **parties**. and means the Contract as defined herein; and further means a contract for services, between the City and one or more suppliers for the provision of services, which are of an ad-hoc or repetitive nature on an "as instructed" or "as and when required" basis where the terms, conditions, specifications, rates, prices, and works project allocation processes are awarded for use over a predetermined period without guaranteeing any quantum of expenditure utilising the contract.*

Framework Contract Manager
*The person named as the **Framework Contract Manager** in the **Contract Data** or any other person appointed from time to time by the **Employer** and of whom the **Service Provider** is notified, in writing, to act **as Framework Contract Manager** for the purposes of the **Contract** as substitute for the **Framework Contract Manager** so named.*

*The function of the **Framework Contract Manager** is to administer **the Framework Contract**, in accordance with the provisions of the **Framework Contract**.*

*The **Framework Contract Manager** shall be an employee of the **Employer**, authorised as its representative to administer the **Framework Contract**.*

*The **Framework Contract Manager** is:*

Name:
Address:

Tel:
E-mail:

Framework Contract Period
*The period is **120 months** from the Start Date of the Framework Contract (subject to approval of a section 33 process), during which Works projects may be allocated to the Service Provider and for which Purchase Orders may be raised (issued) provided that such orders be completed prior to the expiry of the period; provided that the Framework Contract shall continue to remain in force after the expiration of the Framework Contract Period until the Final Approval Certificate has been issued by the Employer for the last outstanding Works project at the expiration of any Defects Liability Period of that Works project.*

Contract Period
*The period stated in the Works project from the **Start Date** of the Works project to the completion date of the Works project.*

Intellectual Property
Any and all intellectual property rights of any nature anywhere in the world whether registered, registerable or otherwise, including patents, trademarks, registered designs and domain names, applications for any of the foregoing, trade or business names, copyright and rights in the nature of copyright, design rights, rights in databases, know-how, trade secrets and any other intellectual property rights which subsist in computer software, computer programs, websites, documents, information, techniques, business methods, drawings, logos, instruction manuals, lists and procedures and particulars of customers, marketing methods and procedures and advertising literature, including the "look and feel" of any websites

Purchase Order
The official purchase order created and released on the City of Cape Town's SAP System.

Repetitive Nature
A contract for services that the City has an obligation to provide on an ongoing basis.

Schedule of Rates
The document drawn so designated in the Pricing Data, and which will be used to compile Activity Schedule in the Works project contract document(s).

Winner
*The Service Provider appointed by the Employer under the Framework Contract to be available to execute Works projects as and when they arise, on a **"winner-takes-all"** basis as stated in the Contract, and who will be allocated work on an on-going basis, unless he refuses a work opportunity (or if his offer is non-responsive/invalid), for the duration of the term tender contract.*

Winner-Takes-All
The basis on which the highest ranked service provider, "the winner" in terms of the framework tender evaluation, is allocated work on an on-going basis, unless he refuses a work opportunity (or if his offer is non-responsive/invalid), in which circumstance, if alternative suppliers has been appointed, the service provider with the next highest evaluation points will be offered such work and so on until a service provider accepts.

Works Project
*The contract document that includes the **Works Project Brief** and **Works Project Proposal** that specifies the Task(s) to be performed by the supplier under the framework contract, the specific terms, conditions, and scope of the **Project.***

Works Project Acceptance / Refusal Notice
The formal notification, signed by the supplier in accordance with the framework contract, which is sent to the City, informed of its decision to accept or refuse the opportunity afforded to it, to further participate in the supplier appointment procedure for a works project.

Works Project Allocation Process'
The process through which task(s) are determined and allocated in a framework contract in accordence with the terms and conditions of the relevent contract.

The documents that formally reflects the scope, delivery period, delivery details, and all other relevant terms and conditions impacting the execution of the works project.

Works Project Proposal
The documentation submitted by the Service Provider that formally reflects the cost, timeline and resources required to execute the works project.

Clause 3.1
*Delete the heading and replace with "**Governing law and policies**"*

Amend Clause 3.1 and add the following:

Supply Chain Management Policy

a) The parties agree that this contract shall also be subject to the Employer's Supply Chain Management Policy ('SCM Policy') that was applicable on the date the bid was advertised, **save that if the Employer adopts a new SCM Policy which contemplates that any clause therein would apply to the contract emanating from this tender, such clause shall also be applicable to that contract**. Please refer to this document contained on the CCT's website.

b) Abuse of the supply chain management system is not permitted and may result in cancellation of the contract, restriction of the supplier, and/or the exercise by the Employer of any other remedies available to it as described in the SCM Policy.

Clause 3.2
Replace the words "time for completion" with "Framework Contract Period".

Clause 3.4 and Clause 4.3.2:
Add the following :
The authorised and designated representative of the Employer is the Executive **Director:** Error! Reference source not found.

The address for receipt of communications is:
[redacted]

Physical Address: [redacted]

Clause 3.4.1:
Add the following to the first sentence:
… , and may be given as set out hereunder and shall be deemed to have been received when:
hand delivered – on the working day of delivery
sent by registered mail – five (5) working days after mailing
sent by email or telefax – one (1) working day after transmission

Clause 3.5:
Add the following:
The location for the performance of the Project will be the **LOCAL OFFICE** of the service provider, together with the site of the proposed Works Project as stated in the **Works Project Brief.** For this Framework Contract, the local office must be within the Cape Town Metropolitan area.

Key personnel will be expected to work out of the local office as the exigencies of this contract require. The address of the local office will be that as indicated on Schedule 1, Part C5.2: Returnable Schedules, and which will be regarded as the *domicilium citandi et executandi* for the purposes of any contract arising from this tender submission

Clause 3.8.4:
Add the following new paragraph:
The Employer reserves the right to reduce, increase or cancel individual Works Projects. This shall be done without adjustment to the agreed rates, sums or fees and without payment of any penalty or surcharge in this regard.

Clause 3.9.1:
Add the following after f):

g) a change in the cost of the construction works applicable to the services.

Clause 3.9.2:
Replace the words "6 weeks" with "21 days".
Add the following at the end of the clause:
Should any of the event described in clause 3.9.1 occur, the professional fees and disbursement may be adjusted in a fair and reasonable manner. The Service Provider shall, however, not be entitled to an adjustment to the extent that the variation is due to the negligence or default of the Service Provider. The Service Provider is required to provide all necessary substantiating documents required by the employer to evaluate the request for variation.

Clause 3.9.3:
Delete the clause and replace with the following:
The Employer shall assess the changes to the Contract Price per Works Project proposed by the Service Provider on any fair and reasonable basis. The Employer may assess these changes on the effect of the event on the Services based on the time-based fees as stated in the Pricing Data.

Clause 3.12
*Delete the heading and replace with "**Penalties and fines**"*

Clause 3.12.1

Add the following:
Failure to meet deliverable or milestone date (as defined in the agreed Works Project):
Failure to adhere to timeframes without valid agreed upon reasons will result in the implementation of penalties.

- The penalty amount per day for each deliverable/milestone is R3 000 (to a maximum of 42 days - R126 000).
- A deliverable/milestone that is more than 14 days late will result in the issuing of a Breach Notice which will require the matter to be remedied within 14 days or such time as agreed to by the Employer.
- If the matter is not resolved within 14 days (or such time as agreed to by the Employer) of the issuing of the Breach Notice, the Employer may terminate the contract in terms of Clause 8.4.1 (c) of the Contract Data.

Add the following after 3.12.2

Clause 3.12.3
The Employer may impose the following additional penalties or fines:

a) Penalties for breach of conditions of granting preferences in terms of the **Preference Schedule**.
b) Penalties for failure to meet targeted labour and local enterprises contract participation goals (if applicable)
c) Any other fines or penalties levied in accordance with any of the specifications.

Clause 3.15.1:
Add the following:
The programme shall be submitted within **14** days of the Start Date of the works project.

Clause 3.16

Delete the entire clause and replace with the following:

Clause 3.16: Price Adjustment for inflation

3.16.1: Time-based fees:

3.16.1.1 Time-based fees which are stated in the Pricing Data as a unique rate shall unless otherwise stated in the Contract Data, be adjusted in terms of this clause on each anniversary of the month prior to the closing date of the tender.

3.16.1.2 The adjustment to the time-based fees shall be equal to:

(CPIn - CPIs) / CPIs

where CPIs = the indices specified in the Contract Data during the month prior to the closing date of the tender falls

CPIn = the latest indices specified in the Contract Data will be in terms of the anniversary of the month prior to the closing date of the tender.

The indices are those contained in Table A of the P0141 Consumer Price Index for the **CPI for services** published by Statistics South Africa.

3.16.2: Disbursements:

3.16.2.1 Disbursement costs which are stated in the Pricing Data as a unique rate shall unless otherwise stated in the Contract Data, be adjusted in terms of this clause on each anniversary of the month prior to the closing date of the tender.

3.16.2.2 The adjustment to the time-based fees shall be equal to:

(CPIn - CPIs) / CPIs

where CPIs = the indices specified in the Contract Data during the month prior to the closing date of the tender falls
CPIn = the latest indices specified in Contract Data will be in terms of the anniversary of the month prior to the closing date of the tender.

The indices are those contained in Table A of the P0141 Consumer Price Index for the **All Items (CPI Headline)** published by Statistics South Africa.

Add the following after Clause 3.16

Clause 3.17: Price adjustment due to content imported from outside South Africa

3.17.1 General

3.17.1.1 Price adjustment of any resources imported from outside the Republic of South Africa will be permitted **only** in respect of the following variables:

(a) Variations in Rates of Exchange as detailed in Clause 3.17.2,
(b) Variations in Customs Surcharge and Customs Duty as detailed in Clause 3.17.3, and
(c) Labour and material cost variations in the relevant industries of the countries from which the resources are imported as detailed in Clause 3.17.5.

3.17.1.2 The value of any resources imported from outside South Africa inserted in the schedule titled **Price Basis for Imported Resources** and subject to Clause 3.17.2 shall be deducted from the total values to be adjusted by the Contract Price Adjustment Factor. Any resources not inserted in the schedule titled **Price Basis for Imported Resources** shall be deemed not to be imported into South Africa for the purposes of Contract Price Adjustment.

3.17.2 Variations in Rates of Exchange

3.17.2.1 Adjustment for variations in rates of exchange shall be based on the following:

(a) The Tenderer shall have completed the schedule titled Price Basis for Imported Resources for all imported resources intended to be subject to variations in rates of exchange, subject to the following:
i. the value in foreign currency inserted in column (A) shall be subject to Clause 3.17.2 (e) when recalculating the Rand value,
ii. the rate of exchange inserted in column (B) shall be the closing spot selling rate quoted by Council's main banker, Nedbank, on the Base Date, rounded to the second decimal place, subject to sub-paragraph iii. below,
iii. if the rate of exchange inserted by the Tenderer differs from the Nedbank rate referred to above, then the Nedbank rate shall apply and the Rand value in columns (C) and (F) shall be recalculated accordingly, without altering the price in the Pricing Schedule for the relevant items, and
iv. if a quotation from a supplier or sub-contractor provides for variations in rates of exchange, the Service Provider may only claim for variations in rates of exchange if he binds the supplier or sub-contractor to the same provision to take out forward cover as described in sub-paragraph (b) below.

(b) The Service Provider (or supplier or sub-contractor) shall within five working days from the date of placing a firm order on an overseas supplier, cover or recover forward by way of a contract with a bank which is an authorised foreign exchange dealer, the foreign exchange component of the cost of

any imported resources inserted by the Tenderer in the schedule titled **Price Basis for Imported Resources.**

(c) When the Service Provider (or supplier or sub-contractor) so obtains forward cover, the Service Provider shall immediately notify the Employer of the rate obtained and furnish the Employer with a copy of the foreign exchange contract note,

(d) Based on the evidence provided in sub-paragraph (c) above, the value in Rand inserted in column (C) of the schedule titled **Price Basis for Imported Resources** shall be recalculated using the forward cover rate obtained, and any increase or decrease in the Rand value defined in Clause 3.17.5 shall be adjusted accordingly, subject to sub-paragraph (e) below.

(e) The adjustments shall be calculated upon the value in foreign currency in the Service Provider's (or supplier's or sub-contractor's) **forward cover contract**, provided that, should this value exceed the value in foreign currency inserted in column (A) of the schedule titled **Price Basis for Imported Resources**, then the value in column (A) shall be used.

3.17.3 Variations in Customs Surcharge and Customs Duty

(a) Any increase or decrease in the Rand value between the amounts of Customs Surcharge and Customs Duty inserted in the schedule titled Price Basis for Imported Resources and those amounts actually paid to the Customs and Excise Authorities, which are due to changes in the percentage rates applicable or to the foreign exchange rate used by the authorities, shall be adjusted accordingly.

(b) The Tenderer shall state the Customs Duty Tariff Reference applicable to each item and the Service Provider shall advise the Employer of any chenges which occur.

3.17.4 Value of Imported resources at Base Date

3.17.4.1 The Rand value of imported resources inserted in the schedule titled **Price Basis for Imported Resources** (column (F)) shall be the value in foreign currency (column (A)) converted to South African Rand (column (C)) by using the closing spot selling rate quoted by Council's main banker, Nedbank, on the Base Date rounded to the second decimal place (column(B)), to which shall be added any Customs Surcharge and Customs Duty applicable at that date (columns (D) and (E)).

3.17.5 Variation in labour and material costs of imported resources

3.17.5.1 If the prices for imported resources are not fixed, the Service Provider shall in his Tender specify the formula for calculating Contract Price Adjustments normally used in the country of manufacture and the indices and relative proportions of labour and material on which his Tender prices are based. Evidence of the indices applicable shall be provided with each claim. The indices applicable 42 days before contractual dispatch date from the factory will be used for the purposes of Contract Price Adjustment.

3.17.5.2 Failure to specify a formula in the Tender shall mean that the prices are fixed or shall be deemed to be fixed.

Clause 3.18 <u>Protection of Personal Information Act of 2013</u>

3.18.1 By submitting a tender to the Employer, (and by concluding any ensuing related agreement with the City of Cape Town, if applicable), the Service provider thereby acknowledges and unconditionally agrees:

3.18.2 that the Service Provider has been informed of the purpose of the collection and processing of its personal information as defined in the Protection of Personal Information Act of 2013 ("POPIA"), which, for the avoidance of doubt is for, and in relation to, the tender process and the negotiation, conclusion, performance and enforcement of the ensuing agreement, if applicable, as well as for the Employer's reporting purposes;

3.18.3 to the collection and processing of the Service Provider's personal information by the Employer and agrees to make available to the Employer, all information reasonably required by the Employer for the above purposes;

3.18.4 that the personal information the Employer collects from the Service Provider or about the Service Provider may be further processed for other activities and/or purposes which are lawful, reasonable,

relevant and not excessive in relation to the purposes set out above, for which it was originally collected;

3.18.5 that, the Service Provider indemnifies the Employer and its officials, employees, and directors and undertakes to keep the Employer and its officials, employees, and directors indemnified in respect of any claim, loss, demands, liability, costs and expenses of whatsoever nature which may be made against the Employer (including the costs incurred in defending or contesting any such claim) in relation to the Service Provider or the Service Provider's employees', representatives' and/or sub-Suppliers' non-compliance with POPIA and/or the Employer's failure to obtain the Service Provider's consent or to notify the Service Provider of the reason for the processing of the Service Provider's personal information;

3.18.6 to the disclosure of the Service Provider's personal information by the Employer to any third party, where the Employer has a legal or contractual obligation to disclose such personal information to the third party (or e legitimate interest exits therein);

3.18.7 that, under POPIA, the Service Provider may request to access, confirm, request the correction, destruction, or deletion of, or request a description of, personal information held by the Employer in relation to you, subject to applicable law; and

3.18.8 that under POPIA, subject to applicable law, the Service Provider also has the right to be notified of a personal information breach and the right to object to, or restrict, the Employer's processing of its personal information.

3.18.9 All requests relating to data protection must be submitted in writing to:
The City
Via hand
Via post
Via fax a
Via emai
[redacted]

Clause 4.7:
Delete the clause and replace with:
The Employer shall pay the Service Provider in accordance with the provisions of the Framework Contract.

Add the following clauses after Clause 4.7:

Clause 4.8 Procedure for the allocation of Works Projects

The Employer will provide the Service Provider with a scope/project brief and any specific terms and conditions (such as time frames/milestones) for a particular Works Project. The Employer reserves the right to plan and effect individual Works Project at its sole discretion and subject to the availability of funding. The Employer also reserves the right to increase or decrease the scope of work at its sole discration.

If the "Winner" declines the Works Project due to lack of capacity at that time, the Employer reserves the right to offer the Works Project to the "Alternative Supplier".

If, in tha opinion of the Employer, the "Winner" is:

(a) not performing on an existing the Works Project/s; or
(b) is lacking capacity or the necessary skills for a particular Works Project; or
(c) if the proposal on a Works Project is unsatisfactory (after consultations), then

The Employer reserves the right to offer the Works Project to the "Alternative Supplier".

The procedure for the allocation of Works Projects is described in detail at the and of this Part 1: Contract Data provided by the Employer.

Clause 4.9 Performance Monitoring

As required by section 116(2)(b) of the Local Government: Municipal Financial Management Act 56 of 2003, the CCT shall monitor the performance of the Supplier on at least a monthly basis, and the Supplier agrees to provide the CCT with its full cooperation in this regard.

[redacted]

Clause 5.1.1

Add the following to Clause 5.1.1

The Services to be performed will be defined in terms of the Works Projects.

The procedure for the allocation of Works Projects are described in Clause 4.8.

The Service Provider will respond to the Works Project with a Works Project Proposal within 14 days of the issuing of the works project brief.

Add the following after Clause 5.1.2:
Clause 5.1.3
Failure to perform (Non-performance) by the Service Provider on a Works Project would include (but not be limited to) the following:

i. Repeated inadequate Works Project Proposals (including methodology, resources availability and appropriate skills, resource-based costing where applicable, programming time frames/milestones, cost proposals);
ii. Failure to provide adequate and appropriate resources;
iii. Repeated failure to adhere to the agreed programme or time frames/milestones,
iv. Repeated failure to submit reports, drawings or other documents by the agreed dates;
v. Repeated errors or significant design or construction monitoring errors;
vi. Other failures or actions on the part of the Service Provider causing additional costs to the Employer or delays to the programme;
vii. Combinations of the above.

(a) If the "Winner" does not remedy a failure in the performance of their duties under the Works Project within fourteen (14) days of having been notified thereof, or within any further period that the Employer may subsequently approve in writing, the Employer reserves the right to:

- apply Clause 3.12 of the Contract Data;
- Cancel the Works Project;
- Offer the Works Project in question and/or subsequent Works Project to the "Alternative Supplier".

(b) If the "Alternative Supplier" does not remedy a failure in the performance of their duties under the Works project within fourteen (14) days of having been notified thereof, or within any further period that the Employer may subsequently approve in writing, the Employer reserves the right to:

- apply Clause 3.12 of the Contract Data;
- Cancel the Works Project;

Clause 5.4.1:
Add the following:
The Service Provider is required to take out and maintain, for the full duration of the performance of this contract, the following insurance cover:

a) Professional Indemnity (PI) insurance providing cover in an amount of not less than R50 000 000 in respect of each and every claim during the period of insurance. Where the entity tendering is a joint venture then the value of the PI insurance cover required may be shared between the joint venture partners in proportion to the percentage contribution of each party to the joint venture.
b) Public Liability insurance with a limit of indemnity of not less than R20 000 000 for any single claim, the number of claims to be unlimited during the contract period.
c) Insurance in terms of the provisions of the Compensation for Occupational Injuries and Diseases (COID) Act No. 130 of 1993.

The Service Provider shall ensure that any sub-contractors engaged in construction activities shall, in addition to the Public Liability and COID Insurances as described above, also take out and maintain contractors all risks insurance to the value of the work being undertaken.

Clause 5.4.2
Add the following:
Evidence of insurance or confirmation (warranty) from a reputable Insurance Broker that the required insurances are in place, shall be submitted within **14** days of the Start Date.

Add the following clause after Clause 5.4.2:



5.4.3 The Service Provider shall maintain the insurance policy/ies for the duration of the liability period in terms of Clause 13.4 and shall upon request by the Employer provide periodic proof of such insurance.

Clause 5.5:
Add the following after Clause 5.5 c)

d) Replacing any of the key personnel listed at the time of tender.
e) Occupying any public land or facility for any purpose that will cause disruption and or inconvenience to the users of such land or facility in respect of any construction contract.
f) Making a material change, addition or omission from the approved designs.
g) The exercising of any discretion in terms of any terms and conditions in this contract, that results in the utilisation of any of the contingency allowance, increasing the contract value or awarding any additional time as detailed in the relevant contract conditions.
h) Permitting advance payment for items not listed in the Advance Payment Schedule.
i) Nominating the Employer's Agent/Engineer/Principal Agent or their respective representatives (as applicable) in terms of the relevant Conditions of Contract.
j) Authority of the Employer's Agent/Engineer/Principal Agent to delegate
k) Granting permission to work during non-working times in terms of the relevant Conditions of Contract.
l) Suspend the progress of the works in terms of the relevant Conditions of Contract.
m) The issuing of an instruction to accelerate progress in terms of the relevant Conditions of Contract.
n) Approval of any other Additional and Specialist Services and their respective costs/hourly rates.

Clause 6.4:
Add the following clause after Clause 6.3:

6.4 Conflict of interest
The Service Provider shall immediately disclose any potential conflict of interest or involvement in the project other than a professional interest in terms of this Contract.

Clause 7.1.2
Add the following:
Key Persons shall be those individuals listed under "Key Personnel" in Part C3.1 Scope of Work.

Clause 7.2.1:
Add the following:
…..(comprised of Schedules 12, Part C5.2 : Returnable Schedules).

Clause 8.1:
Add the following:
Such period shall be within 14 days of the Start Date of the Framework Contract.

Clause 8.4.1:
Delete "thirty (30)" in the second line of Clause (c) and replace with "fourteen (14)"

Delete "or" at the end of Clause 8.4.1(d) and add the following list after Clause 8.4.1(e):

f) if the Service Provider has failed to provide the required insurances within the prescribed time;
g) if the Service Provider has committed a corrupt or fraudulent act during the tender process or the execution of the Contract;
h) if the Service Provider has benefitted from an official or other role player committing any corrupt or fraudulent act during the tender process or in the execution of the Contract;
i) if a material irregularity vitiates the procurement process leading to the conclusion of the Contract, rendering the procurement process and the conclusion of the resulting contract unfair, inequitable, non-transparent, uncompetitive or not cost-effective, provided the Employer follows the processes as described in its SCM Policy; or
j) The implementation of the contract may result in reputational risk or harm to the City as a result of (inter alia):
    (i) reports of poor governance and/or unethical behaviour;
    (ii) association with known notorious individuals and family of notorious individuals;
    (iii) poor performance issues, known to the Employer;
    (iv) negative social media reports;
    (v) adverse assurance (e.g. due diligence) report outcomes;
    (vi) where the service provider has been restricted from doing business with the Employer; or
    (vii) circumstances where the relevant vendor has employed, or is directed by, anyone who was previously employed in the service of the state (as defined in clause 1.53), where the person is or was negatively implicated in any SCM irregularity.;

Clause 8.4.3(c):
Add the following:
The period of suspension under Clause 8.5 is not to exceed 180 days.

Clause 8.4.4:
Delete the content of this clause and replace with the following:
Upon termination of this Contract pursuant to Clauses 8.4.1 or 8.4.3, the Employer shall remunerate the Service Provider in terms of the Contract for Services satisfactorily performed prior to the effective date of termination and reimburse the Service Provider without adjustment to the agreed rates, sums or fees and without payment of any penalty or surcharge, including any pro-rata payment for partially completed Services, except in the case of termination pursuant to events (c) and (d) of Clause 8.4.1.

Add the following after clause 8.4.5:
Clause 8.4.6
In addition to anything else contained in this contract, the Employer may make either of the following elections to ensure its rights are protected and any negative impact on service delivery is mitigated in instances where the Service Provider has been liquidated:

a) accept a service provider's proposal (via the trustee / liquidator) to render delivery utilising the appropriate contractual mechanisms; or
b) terminate the contract, if the liquidator proposed contractor is deemed unacceptable to the employer, at any time by giving written notice to the Service Provider (via the trustee / liquidator).

Clause 9:
Delete the clause and replace with the following:

9.1 The Service Provider acknowledges that it shall not acquire any right, title or interest in or to the Intellectual Property of the Employer.

9.2 The Service Provider hereby assigns to the Employer, all Intellectual Property created, developed or otherwise brought into existence by it for the purposes of the contract, unless the Parties expressly agree otherwise in writing.

9.3 The Service Provider shall, and warrants that it shall:

9.3.1 not be entitled to use the Employer's Intellectual Property for any purpose other than as contemplated in this contract;

9.3.2 not modify, add to, change or alter the Employer's Intellectual Property, or any information or data related thereto, nor may the Service Provider produce any product as a result of, including and/or arising from any such information, data and Intellectual Property, and in the event that it does produce any such product, the product shall be, and be deemed in law to be, owned by the Employer;

9.3.3 not apply for or obtain registration of any domain name, trademark or design which is similar to any Intellectual Property of the Employer;

9.3.4 comply with all reasonable directions or instructions given to it by the Employer in relation to the form and manner of use of the Employer's Intellectual Property, including without limitation, any brand guidelines which the Employer may provide to the Service Provider from time to time;

9.3.5 procure that its employees, directors, members and contractors comply strictly with the provisions of clauses 9.3.1 to 9.3.3 above;

unless the Employer expressly agrees thereto in writing after obtaining due internal authority.

9.4 The Service Provider represents and warrants to the Employer that, in providing goods, services or both, as the case may be, for the duration of the contract, it will not infringe or make unauthorised use of the Intellectual Property rights of any third party and hereby indemnifies the Employer from any claims, liability, loss, damages, costs, and expenses arising from the infringement or unauthorised use by the Service Provider of any third party's Intellectual Property rights.

9.5 In the event that the contract is cancelled, terminated, ended or is declared void, any and all of the Employer's Intellectual Property, and any and all information and data related thereto, shall be immediately handed over to the Employer by the Service Provider and no copies thereof shall be retained by the Service Provider unless the Employer expressly and in writing, after obtaining due internal authority, agrees otherwise.

9.6 Copyright of all documents prepared for the project, and the patent rights or ownership in any plant, machine, item, system or process designed or devised, shall be vested with the Employer. Where copyright is vested in the Service Provider, the Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain the Service Provider's permission to copy for such use. Where copyright is vested in the Employer, the Service Provider shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes.

9.7 The ownership of data and factual information collected by the Service Provider and paid for by the Employer shall, after payment by the Employer, lie with the Employer.

9.8 The Employer shall have no right to use any documents prepared by the Service Provider whilst the payment of any fees and expenses due to the Service Provider in terms of the Contract is overdue.

Clause 11.1:
Add the following after 11.1:
....and has the Employer's prior approval in writing.

Clause 12.1.2:
Add the following:
Interim settlement of disputes is to be by **mediation**

Clause 12.2.1:
Add the following:
In the event that the parties fail to agree on a mediator, the mediator is nominated by the **President of the South African Institution of Civil Engineering.**

Clause 12.2.4:
Add the following:
Final settlement is by **litigation**.

Clause 12.3.3:

In the event that the parties fail to agree on an adjudicator, the adjudicator is nominated by the **President of the South African Institution of Civil Engineering.**

Clause 13.1:
Add the following clause after Clause 13.1.3:

13.1.4 The Employer and the Service Provider shall enter into an agreement to complete the Services required for the Project in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act No. 85 of 1993 and the Construction Regulations, 2014 promulgated thereunder.

An agreement is included in the Contract Document (C1.3 of Contract Data) and shall be completed and submitted to the Employer together with a letter of good standing from the Compensation Commissioner (if not insured with a licenced compensation insurer) within fourteen (14) days of the Start Date. The Service Provider shall ensure that any letter of good standing shall be timeously renewed in order that it remains in full force for the duration of the Contract.

Clause 13.4:
Delete the content of this clause and replace with the following:
Notwithstanding the terms of the Prescription Act No. 68 of 1969 (as amended) or any other applicable statute of limitation neither the Employer nor the Service Provider shall be held liable for any loss or damage resulting from any occurrence unless a claim is formally made within a liability period of five years, which period shall commence on the earlier of:

(a) Final completion of the construction contract.
(b) Suspension, postponement, expiry or termination of all construction contracts.
(c) Cancellation or termination of this Contract.

Clause 13.7.3:
Add the following clause after Clause 13.7.2:

13.7.3 The Service Provider hereby indemnifies the Employer against all claims by third parties which arise out of or in connection with the Services rendered under this Contract and where such claims are the consequence of breach by the Service Provider to exercise reasonable professional skill, care and diligence in the exercising of its obligations.

Clause 14.5:
Add the following new clause after Clauses 14.4:

Clause 14.5: Tax Invoices
Section 20(1) of the Value Added Tax Act No. 89 of 1991 requires that a supplier (person supplying goods or services) who is registered as a VAT vendor issue to the recipient a tax invoice within 21 days of the date of a supply whether requested or not.

The Service Provider shall provide a tax invoice (VAT invoice) which shall be included with each account delivered to the Employer in terms of Clause 14. Failure by the Servicer Provider to provide a tax invoice (VAT invoice) timeously may delay payment by the Employer and no interest shall accrue.

Clause 14.6: More frequent payments
The Service Provider may submit a fully motiveted application regarding more frequent payment to the Employer's Project Manager to be submitted to the Employer for consideration. Requests for more frequent payments will be considered at the sole discretion of the Employer and is not a right in terms of this contract.

Clause 14.7: Time-sheets
The Service Provider shall submit timesheets with each invoice to confirm actual hours worked for each task.

Clause 15:
Add the following after Clause 15:
The interest rate will be the prime interest rate of the Employer's Bank at the time the amount is due.

Add the following new clause after Clause 16

Clause 16: Support resources
The tenderer must have access to, and familiarity with:

a) Drawing software packages that is compatible with the City of Cape Town's drawing packages.
b) A relevant and competent structural analysis software package that is capable of modelling the various elements required in the Projects.
c) any other relevant software such as MS Office, BIM 360, Adobe Acrobat Professional, etc

Details of the software package that will be used must be indicated on the schedule titled **Support Resources**, Part C5.2: Returnable Schedules.

PROCEDURES FOR THE ALLOCATION OF WORKS PROJECTS: WINNER TAKES ALL

The procedures for the allocation of Works projects, given below, are to be read in conjunction with Part T1.2 Tender Data and Clause 4.8 in the Contract Data. These procedures include the development of a Works Project Brief, receiving the service provider's Works Project Proposal, and allocating the Works Project to the service provider, on a "winner-takes-all" basis as follows: "whereby the work will always be offered and, if accepted, allocated to, the highest ranked tenderer ("the winner") in the framework contract, and only if he refuses (or if his offer is non-responsive or unacceptable for any reason to the Employer) will the work be offered to the tenderer with the next most evaluation points".

In terms of the foregoing, "the service provider" in the procedures below is the service provider under consideration (starting with "the winner") for allocation of the Works Project.

The procedures are summarised under the stages below, wherein the Employer shall

Stage 1: Employer prepares Works Project Brief

1. The Employer prepares a Works Project Brief, includes the description of the project, scope of work, terms and conditions, any reference information, timelines/milestones and completion date associated with the project.

Stage 2: Works Project Brief is issued to the Service Provider.

2. Employer issues the Works Project Brief to the Service Provider.
3. Invite and conduct the Works Project meeting, including discussing any issues or changes the service provider may have (this may result in changes being made to the Works Project Brief and it being re-issued);
4. Should the service provider decline the work, receive any Refusal Notice from the service provider timeously after the meeting.

Stage 3: Service Provider submits completed Works Project Proposal for review and/or acceptance by the Employer

5. If the Service Provider accepts the work, the Service Provider will submit a Works Project Proposal within 14 days of the Works Project Meeting for approval by the Employer. The Works Project Proposal should include the following documentation:
   i. A cost proposal which includes costs of any associated fees and services associated with the scope of works. The cost proposal must include the amount of hours and resources required for task/deliverables associated with the scope of works.
   ii. A methodology of all the tasks to be completed in order to execute the scope of works.
   iii. A detailed programme (with agreed timelines and milestones) of the tasks to be completed under the Works Project.
   iv. The proposed resources and team that will execute the work, including CV's and company information if it is a sub-consultant.
6. Following the submission of the Works Project Proposal by the Service Provider, the Employer will review the Works Project Proposal.
7. If the Works Project Proposal is satisfactory, the Employer and the Service Provider will sign the Works project Agreement, which will confirm the start and end date of the Works Project and the total cost of the Works Project. The Employer will then issue the Service Provider with a Purchase Order and work can commence.
8. If the Employer is not satisfied with the Works Project Proposal, the Employer reserves the right to clarify any issues or request changes through consultations with the Service Provider.

i. If the consultations are resolved, the Service Provider must revise the Works Project Proposal with the agreed changes and submit to the Employer for approval, thereafter step 6 will follow.

ii. If the consultations are unresolved, the Employer reserves the right to consider the Alternative Supplier and will inform the Winner in writing, giving reasons for the decision.

9. If the Winner submits a Refusal Notice, repeat the processes in steps 2 to 9 with the Alternative Supplier.

Further details of the procedures under the above stages are given below.

Stage 1

As and when the Employer requires work to be executed in a Works Project under the framework contract, the Employer shall specify, *inter alia*, the nature, location(s), description of the project, scope of work, terms and conditions, any reference information, timelines/milestones and completion date for the work required, in a **Works Project Brief**.

Stage 2

The Employer shall invite the service provider under consideration to attend a **Works Project meeting** at a time and venue disclosed in writing by the Employer. The meeting shall be held **within 7 days** of issuing the Works Project Brief to the Service Provider.

The purpose of this meeting is to inform the service provider of the Scope of Work required in the Works Project. The meeting shall furthermore serve to answer any queries the service provider may have in respect of the required work, deliverables, timelines and milestone dates, which may result in changes being made to the Works Project Brief and its being re-issued.

Included in the Works Project Brief is a Works project **Acceptance/Refusal Notice** requesting the service provider to state in writing whether he accepts/refuses the opportunity afforded to participate further in the work allocation procedure (i.e. that he is willing/not willing to undertake the work specified in the Scope of Work and has/has not the necessary resources, available to complete the work within the required Works Project contract period should he be allocated the work). The service provider who **refuses** will be required to complete and return the Works project Acceptance/Refusal Notice by email to the Employer within **five (5)** days after the Works Project meeting.

Stage 3

If the Service Provider accepts the Works Project, he shall submit a Works Project Proposal within **fourteen (14) days** of the Works Project Meeting.

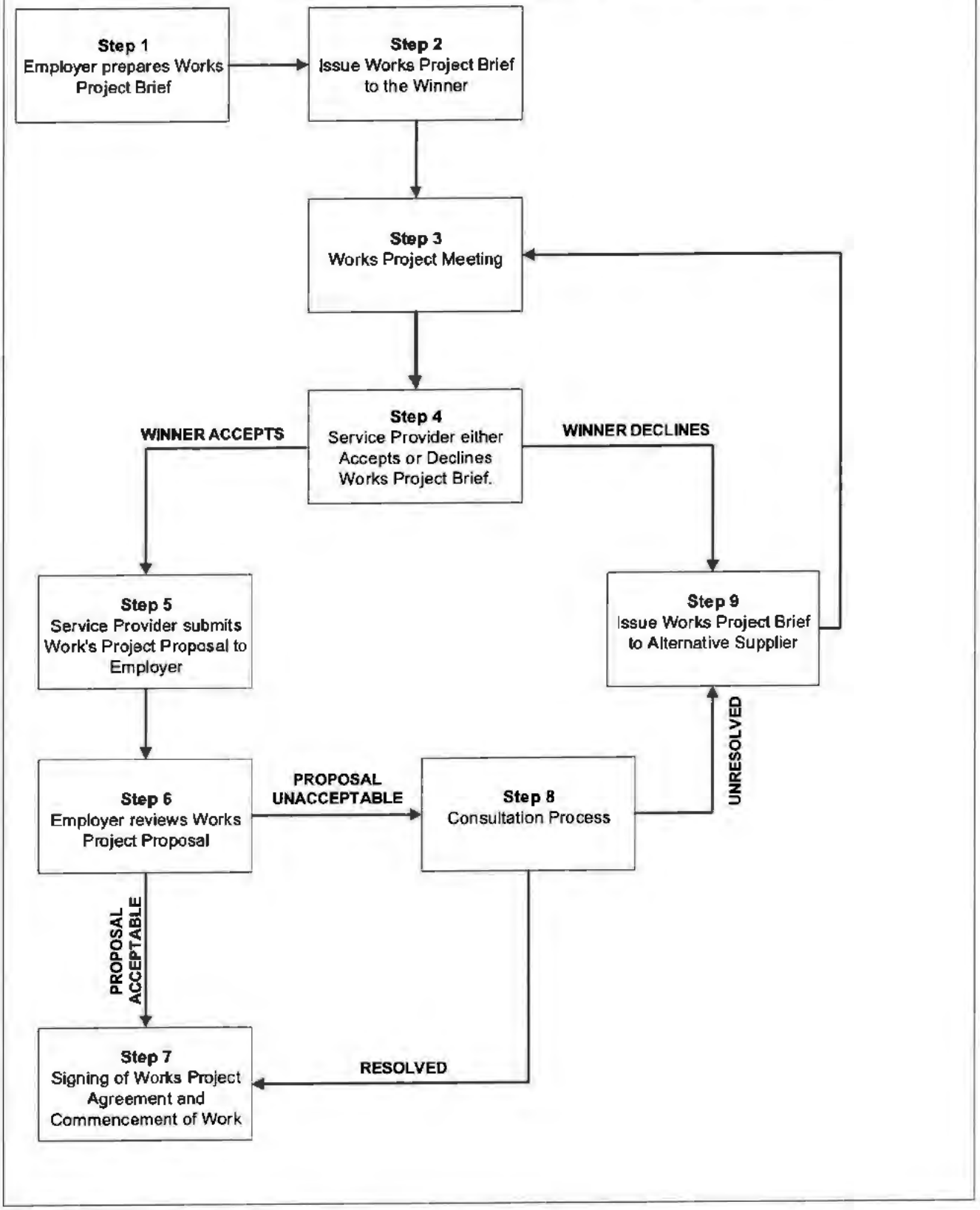
The Employer will review the Works Project Proposal and either accept or request a consultation with the Service Provider within **five (5) days** of receiving the Works project Proposal.

If a consultation was requested, the Service Provider must revise the Works Project Proposal based on the agreed changes and submit to the Employer within **seven (7) days** of the consultation process.

It is to be noted the costs associated with of preparing the Works Project Proposal will be at the Service Provider's Cost and deemed to be included in the tendered rates.

[redacted]

PROCESS DIAGRAM FOR ALLOCATION OF WORKS PROJECTS



Part 2: Data provided by the Service Provider

The **Service Provider** is: ZUTARI (PTY) LTD

Postal Address: PO BOX 4414

CAPE TOWN 8000

Physical Address: [redacted]

Telephone: [redacted]

Facsimile: NOT APPLICABLE

Email: [redacted]

The **authorised and designated representative** of the Service Provider is:

Name: [redacted]

The address for receipt of communication is: [redacted]

Address: [redacted]

Telephone: [redacted]

Facsimile: NOT APPLICABLE

Email: CAPETOWN@ZUTARI.COM

SIGNED ON BEHALF OF TENDERER [redacted]

[redacted]

C1.3 Occupational Health and Safety Agreement

AGREEMENT MADE AND ENTERED INTO BETWEEN THE CITY OF CAPE TOWN (HEREINAFTER CALLED THE "EMPLOYER") AND

ZUTARI (PTY) LTD

(Service Provider/Mandatary/Company/CC Name)

IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, 85 OF 1993 AS AMENDED.

I, [redacted], representing ZUTARI (PTY) LTD, as an employer in its own right, do hereby undertake to ensure, as far as is reasonably practicable, that all work will be performed, and all equipment, machinery or plant used in such a manner as to comply with the provisions of the Occupational Health and Safety Act (OHSA) and the Regulations promulgated thereunder.

I furthermore confirm that I am/we are registered with the Compensation Commissioner and that all registration and assessment monies due to the Compensation Commissioner have been fully paid or that I/We are insured with an approved licensed compensation insurer.

COID ACT Registration Number: [redacted]

OR Compensation Insurer: ..... Policy No.: .....

I undertake to appoint, where required, suitable competent persons, in writing, in terms of the requirements of OHSA and the Regulations and to charge him/them with the duty of ensuring that the provisions of OHSA and Regulations as well as the Council's Special Conditions of Contract, Way Leave, Lock-Out and Work Permit Procedures are adhered to as far as reasonably practicable.

I further undertake to ensure that any subcontractors employed by me will enter into an occupational health and safety agreement separately, and that such subcontractors comply with the conditions set.

I hereby declare that I have read and understand the appended Occupational Health and Safety Conditions and undertake to comply therewith at all times.

I hereby also undertake to comply with the Occupational Health and Safety Specification and Plan.

Signed at CENTURY CITY on the 07 day of AUGUST 20 25

[redacted]

Witness Mandatary

Signed at Cape Town on the 11 25 day of June 20 26

[redacted]

of

City of Cape Town

C1.4 Insurance Broker's Warranty

Pro Forma

Logo *of Service provider's Insurance Broker*

Date

[redacted]

PLEASE TURN TO VOLUME 2 (of 2) FOR INSURANCE BROKERS WARRANTY

Dear Sir

CONTRACT NO.: 308C/2024/25

CONTRACT TITLE: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

NAME OF CONTRACTOR:_____

I, the undersigned, do hereby confirm and warrant that all the insurances required in terms of the abovementioned contract have been issued and/or in the case of blanket/umbrella policies, have been endorsed to reflect the interests of the CITY OF CAPE TOWN with regard to the abovementioned contract, and that all the insurances and endorsements, etc., are all in accordance with the requirements of the contract.

I furthermore confirm that all premiums in the above regard have been paid.

Yours faithfully

Signed: _

For: _

[redacted]

Part C2: Pricing Data

		Pages
C2.1	Pricing Assumptions	68 to 76
C2.2	Schedule of Rates	77 to 88

C2.1 Pricing Assumptions

Pricing Assumptions mean the criteria as set out below, read together with all Parts of this contract document, which it will be assumed in the contract that the tenderer has taken into account when developing his prices.

1. The short descriptions given in the Schedule of Rates below are brief descriptions used to identify the activities for which prices are required. Detailed descriptions of the activities to be priced are provided in the Scope of Work.

2. For the purpose of the Schedule of Rates, the following words shall have the meanings hereby assigned to them:

   Unit: The unit of measurement for each item of work.
   Rate: The agreed payment per unit of measurement.
   Sum: An agreed lump sum payment amount for an item, the extent of which is described in the Scope of Work, but the quantity of work which is not measured in any units.
   Percentage: Mark-up percentage

3. While the tenderer has full discretion in pricing the Schedules of Rates, the rates tendered must be market-related, justifiable and align with industry norms and standards. Tenderer's are advised to consult (but not limited to) the following reference documents when pricing the Schedule of Rates: **Statuary *Fee Guidelines of ALL disciplines specified in this Contract, Municipal Cost Containment Regulations, 2019 and the Department of Public Service and Administration (DPSA) Guide on Hourly Fee Rates for Consultants.*** If any rates are deemed unreasonably high or below market value, the tenderer will be requested to clarify those rates by means of a breakdown of costs. **Failure to adequately justify such rates will result in the tenderer being not recommended.**

4. A rate, sum, and/or price as applicable, is to be entered against each item in the Schedule of Rates. **An item against which no rate is/are entered, or if anything other than a rate or a nil rate (for example, a zero, a dash or the word "included" or abbreviations thereof) is entered against an item, it will also be regarded as a nil rate having been entered against that item, i.e. that there is no charge for that item.** The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the Employer may also perform a risk analysis with regard to the reasonableness of such rates. **If a tenderer prices more than 10% of the items as nil rates, the tenderer will not be recommended.**

5. The rates, sums, and prices in the Schedule of Rates are to be fully inclusive prices for the work described under the several items. Such prices and rates are to cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. The rates, sums and prices rates shall include for all payments to administrative, clerical and secretarial staff used to support professional and technical staff. The table below is illustrative of the overheads that must be included in the tendered rates:

Overheads

Description	For Noting
Salaries (total cost of employment) of fee earning staff, i.e. professional/technical staff including benefits and leave entitlement.	Included
Salaries of non-fee-earning staff, i.e. administrative staff salaries	Included
Internet and fixed communication at premises of where work is performed. (excluding mobile phones)	Included
Rental of premises where work is performed, including water, electricity and rates	Included
Travel time and all associated travel costs from outside the local office area to the local office (e.g. air travel)	Included
Paper, stationary, consumables at premises where work is performed.	Included
Audit, bank charges, interest, insurance	Included
Marketing	Included
Office equipment at premises where work is performed	Included



Training and development	Included
Project expenses not recovered directly from projects (e.g. cost of works allocation procedures, works proposals, etc.)	Included

Note: Table derived from DPSA "Guide to Hourly Fee Rates for Consultants"

6. The categories of persons in respect of time-based fee rates for professional services shall be as defined in the Schedule of Rate Specifications Table, given at the end of this section.

7. A higher category person undertaking lower category work will be reimbursed, in respect of time-based fees, at the lower category rate.

8. The rate for a higher category person may **NOT** be less than the rate for a lower category person, i.e. a Category A Civil Engineer rate may not be less than a Category B Civil Engineer rate.

9. Tenderers are to note that only those recoverable expenses listed in the Schedule of Rates will be reimbursed to the Service Provider. No reimbursement of costs for subsistence, typing, printing/copying (other than reports and/or tender documents), communications or computer hardware and/or software will be made and these costs will be deemed to be included in rates, sums, and prices for normal and additional services rendered. Payment will only be made for copies of reports and drawings submitted to the Employer or issued, as specified or requested by the Employer, and all drafts shall be for the Service Provider's account.

10. Where provisional sums are provided in respect of services, etc., these amounts may be omitted in part or in full should the services, etc. not be required. Where services are to be sub-contracted out by the Service Provider, which do not exceed R300 000-00 (including VAT) in value, the Service Provider will typically be required to invite three quotations from suitably qualified sub-consultants/contractors. Where the sub-contracted services are likely to exceed R300 000-00 (including VAT) in value, the Service Provider shall follow an **open tender process in respect of this work.** A mark up (extra over) in respect of all other costs, overhead charges and profit will be applicable in respect of all sub-contracted services not specifically itemized in the Schedule of Rates.

11. Full time construction monitoring staff shall be reimbursed for travelling expenses, for either the return office to site or return home to site journeys, whichever is the lesser. Part time construction monitoring staff shall be reimbursed for either the return office to site or return alternate site to site journeys, whichever is the lesser. Construction monitoring staff engaged in work outside of normal working hours shall be reimbursed for the return home to site journey. Staff other than construction monitoring staff shall only be reimbursed for travelling expenses in respect of trips exceeding 40km per journey (round trip). Payment shall only be made for that portion of the distance that exceeds 40 km.

12. Travel time and all associated travel costs from the local office, as required in fulfillment of a works project, will be reimbursable. The per kilometer rate for the reimbursement of travel expenses shall be the official travel rate as published by South African Revenue Services annually, effective 1 March. The Service Provider must obtain the Employers prior approval before using a 4 x 4 vehicle for any site journeys.

13. Tenderers are to note that the planning for this contract is based on a three-year budget which is subject to change. While the Employer has every intention to complete the full scope of works, the Employer reserves the right to reduce or increase the scope of works according to the dictates of the budget, or to terminate this contract, without adjustment to the agreed rates, sums or fees and without payment of any penalty or surcharge in this regard. The Service Provider shall however be entitled to pro-rata payment for all services carried out in terms of any adjustment to the Scope of Work or, in the case of termination, remuneration and/or reimbursement as described in Clause 8.4.4 of the Standard Professional Services contract as amended by the Contract Data.

14. Where fractions of a cent occur in calculations of prices and amounts, they shall be rounded up/down to the nearest whole cent.

[redacted]

SCHEDULE OF RATES SPECIFICATIONS

Reference	Description
B1.	**Project Engineer/Leader** who is registered as a Professional Engineer (PR Eng.) **(only)** with the Engineering Council of South Africa (ECSA), who has at least twenty (20) years' verifiable post graduate experience in large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. Furthermore he/she must have experience in conceptualisation and detail design of a water reuse/reclamation plant and who will be responsible for all work carried out in terms of the tender. The Project Leader must have verifiable experience as the "Employers Agent" in terms of the General Conditions of Contract for Construction Works, 1st Edition 2015 or "Engineer" in terms of FIDIC Suite of Conditions of Contract, 1999 or later. He/she must have a minimum of 10 (ten) years verifiable post graduate experience including a combination of project management and/or construction monitoring and/or contract management in concrete structures with a mechanical and electrical interface
B2.	**ENGINEERING SERVICES CATEGORIES**
B2.1.	**Category A**: The required personnel must be professionally registered as a Engineer (Pr. Eng) with Engineering Council of South Africa (ECSA) with at **least 20 (twenty)** years verifiable postgraduate experience in their specific field. Their expertise and relevant experience is nationally or internationally recognized and who provides advice at a level of specialization where such advice is recognized as that of an expert.
B2.2.	**Category B**: The required personnel must be professionally registered as an engineer (Pr. Eng) or technologist (Pr. TechEng) with ECSA, with at least **15 (fifteen) years** verifiable postgraduate experience in their specific field; who acts as partner, a sole proprietor, a director or a member who, jointly or severally with other partners, co-directors, or co-members, bears the risks of the business; **or a person** that takes responsibility for the projects and related liabilities of such practice. The individual's level of expertise and relevant experience is commensurate with the position; performs work of a conceptual nature in engineering design and development, provides strategic guidance in planning and executing a project; and/or carries responsibility for quality management pertaining to a project.
B2.3.	**Category C1**: The required personnel must be a professionally registered with ECSA and has **more** than **10 (ten) years** verifiable postgraduate experience in their specific field, with adequate expertise performing work of a technical nature and who carry the direct technical responsibility for one or more specific activities related to a project.
B2.4.	**Category C2**: The required personnel must be a professionally registered with ECSA, with **less** than **10 (ten) years** verifiable postgraduate experience in their specific field and with adequate expertise performing work of a technical nature and who carry the direct technical responsibility for one or more specific activities related to a project.
B2.5.	**Category D**: all other salaried technical staff with adequate expertise and relevant experience performing work of an engineering nature with direction and control provided by any person contemplated in categories A, B or C
B3.	**Hydraulic Engineer** who is registered as a **Professional Civil Engineer (PR Eng.)** with the Engineering Council of South Africa (ECSA), who has at least 10 (ten) years verifiable post graduate experience in hydraulic engineering, knowledge of pump station, pipelines hydraulic systems and hydraulics components, ability to perform simulations and calculations of hydraulic systems.
B4.	**Process Engineer:**
B4.1.	**Process Engineer (Civil):** The required personnel must be a **Civil Engineer,** professionally registered as an Engineer **(PR Eng.)** with the Engineering Council of South Africa (ECSA) , who has at **least 10 (ten) years'** verifiable postgraduate experience in the analyses and design of Water Treatment Plants and Wastewater Treatment Plants **and** a Postgraduate qualification in Water and Wastewater Engineering.

Reference	Description
B4.2.	**Process Engineer (Chemical):** The required personnel must be a **Chemical Engineer**, professionally registered as an Engineer **(PR Eng.)** with the Engineering Council of South Africa (ECSA) , who has at **least 10 (ten) years'** verifiable postgraduate experience in the analyses and design of Water Treatment Plants and Wastewater Treatment Plants.
B5.	**PROJECT MANAGEMENT SERVICES**
B5.1.	**Category A:** The required personnel must be a professionally registered (PrCPM or PMP or other proven equivalent registration) with **over 20 (twenty) years** of experience in project management. The Project Manager's expertise and experience must be nationally recognised and must provide advice at a level of specialisation where such advice is recognized as that of an expert in the area of project management.
B5.2.	**Category B:** The required personnel must be a professionally registered (PrCPM or PMP or other proven equivalent registration) with at least **10 (ten) years** verifiable postgraduate experience in the project management of all works related to all types of construction works. The Project Manager is a person who bears the risk of the business or who takes responsibility for the projects and related liabilities of the practice and where his level of expertise and proven experience is commensurate with the position and provides strategic guidance in planning and executing a project.
B5.3.	**Category C:** The required personnel must be a professionally registered (PrCPM or PMP or other proven equivalent registration) with at least **5 (five) years** verifiable postgraduate experience in the project management of various types of similar works.
B5.4.	**Category D:** all other salaried staff (does not need to be professionally registered) with adequate expertise and relevant experience performing work of a project management nature or involved in project management of various types of works.
B6.	**Project Planner/Scheduler:** The required personnel must have at least 10 years' experience in scheduling or project programme planning for large multi-disciplinary engineering projects. Experience with scheduling software such as MS Project is advantageous.
B7.	**OCCUPATIONAL HEALTH AND SAFETY SERVICES**
B7.1.	**Construction Health and Safety Services:** The required personnel must be registered with the South African Council for the Project and Construction Management Professions (SACPCMP).
B7.2.	**Professional Construction Health and Safety Agent:** must be a professionally registered Construction Health and Safety Agent (PrCHSA).
B7.3.	**Construction Health and Safety Manager:** must be a registered Construction Health and Safety Manager (CHSM).
B7.4.	**Construction Health and Safety Officer:** must be a registered Construction Health and Safety Officer (CHSO).
B8.	**ENVIRONMENTAL AND HERITAGE SERVICES**
B8.1.	**Environmental Assessment Practitioner (EAP):** The required personnel must be registered with the Environmental Assessment Practitioner's Association of South Africa (EAPASA). The EAP must have at least 8 (eight) years verifiable experience in the undertaking of all environmental works related to all types of construction or relevant to the Typical Works Projects list. The EAP must have acted in a lead role in at least (2) two Full Scoping/Environmental Impact Assessment (EIA) reports and at least (5) five Basic Assessments of a project or type relevant to the Typical Works Projects list.
B8.2.	**Environmental Assessment Practitioner Assistant (EAPA):** The required personnel must have a degree in environmental science, environmentel management or equivalent. The EAPA must have at least 3 (three) years verifiable experience in the undertaking of all environmental works related to all types of construction or relevant to the Typical Works Projects list. The EAPA must have assisted a registered EAP on at least one (1) Full Scoping/Environmental Impact Assessment (EIA) reports and at least (2) two Basic Assessments of a project or type relevant to the Typical Works Projects list.

[redacted]

Reference	Description
B8.3.	**Environmental Control Officer:** The required personnel must have a tertiary qualification in environmental science, environmental management or equivalent and at least 3 (three) years verifiable experience in environmental monitoring, conducting site audits, monitoring compliance with environmental management plans (EMPs), and managing environmental impacts on construction sites.
B8.4.	**Environmental Auditor:** The required personnel must have a tertiary education in environmental science, environmental management, environmental auditing qualification/ certification or equivalent and at least 3 (three) years' experience in conducting environmental audits as a lead environmental auditor.
B8.5.	**Heritage Assessment Practitioner:** The required personnel must have a postgraduate qualification in a heritage related field and at least 4 (four) years verifiable appropriate experience in heritage management issues likely to be encountered in all works similar to those listed in Typical Works Projects lists.
B8.6.	**Freshwater ecologist:** The required personnel must be a registered professional with the South African Council for Natural Scientific Professions (SACNASP or other proven equivalent registration), with at least 8 (eight) years verifiable postgraduate experience in this specialised field and specifically providing aquatic ecological advisory services and undertaking all work necessary to acquire the authorisations (including General Authorisations or Water Use Licences) or permits required in terms of the National Water Act No. 36 of 1998.
B8.7.	**Environmental Specialist (e.g. botanist, horticulturist, marine biologist, etc.):** The required personnel must be appropriately qualified and have a minimum of 8 (eight) years verifiable experience in the specialised field, 5 (five) of which must ba proven and appropriate experience of local conditions relating to projects as stated in the Scope of Work.
B9.	**PUBLIC PARTICIPATION AND COMMUNICATION SERVICES**
B9.1.	**Public Participation Practitioner (Lead):** The required personnel will be required to assist with Environmental Impact Assessments and must have at least 3 (three) years' experience in similar activities.
B10.	**GEOLOGICAL SERVICES**
B10.1.	**Geologist - Category B**: The required personnel must be professionally registered (PrSciNat or other proven equivalent registration) with at least 10 (ten) years verifiable postgraduate experience in the field of geology. The required personnel must have at least a NQF level 8 (including an Honours degree) in geology or similar earth science field of expertise.
B10.2.	**Geologist - Category C**: The required personnel must be professionally registered (PrSciNat or other proven equivalent registration) with at least 5 (five) years verifiable postgraduate experience in the field of geology. The required personnel must have at least a NQF level 8 in geology or similar earth science field of expertise.
B10.3.	**Seismologist / Seism tectonics Expert / Structural Geologist**: The required personnel must be a registered **(PrSciNat) with the South African Council for Natural Scientific Professions (SACNASP)** or a verified university academic, and have a minimum Master's Degree in Geology (or similar earth science related if in the field of seism tectonics) with at least 8 (eight) years verifiable postgraduate experience in the field of seismology/seism tectonics and the interpretation of seismic data.
B11.	**GEOHYRDOLOGICAL SERVICES**
B11.1.	**Geohydrologist - Category A**: The required personnel must be professionally registered **(PrSciNat or other proven equivalent registration)**, with over 20 (twenty) years of experience in groundwater management. The required personnel must have at least a Master's degree in a geohydrology or similar earth/water science field of expertise. The Geohydrologist's expertise and experience must be nationally recognised and must provide advice at a level of specialisation where such advice is recognized as that of an expert in the area of geohydrological investigations, wellfield development and operations, and monitoring (including water quality).

Reference	Description
B11.2.	**Geohydrologist - Category B:** The required personnel must be professionally registered (**PrSciNat or other proven equivalent registration**) with at least 10 (ten) years verifiable postgraduate experience in groundwater management. The required personnel must have at least a NQF level 8 (including an Honours degree) in geohydrology or similar earth/water science field of expertise. The Geohydrologist must have extensive knowledge in geohydrological investigations, wellfield development and operations, and monitoring (including water quality).
B11.3.	**Geohydrologist - Category C:** The required personnel does not have to be professionally registered but must have at least 5 (five) years verifiable postgraduate experience in groundwater management. The required personnel must have at least a NQF level 8 in geohydrology or similar earth/water science field of expertise. The Geohydrologist must have significant knowledge in geohydrological investigations and/or wellfield development and operations and/or monitoring (including water quality).
B11.4.	**Geohydrologist - Category D:** The required personnel does not have to be registered and can be a Scientist, Technologist or Technician involved in groundwater investigations.
B12.	**TRANSACTION ADVISORY SERVICES**
B12.1.	**Transaction Advisory/ PPP Specialist** with a Bachelor's degree (at NQL Level 7 or higher) in Commerce, Engineering or Law. He/she must have at least 10 years verifiable experience in providing advisory services in infrastructure project corporate and finance transactions, and in the facilitation and function of public-private partnerships (PPPs). Furthermore he/she must demonstrate experience in and understanding of strategic transaction advisory in the local government context with regards to the provision of basic services
B12.2.	**Local Government Advisor** with a Bachelor's degree (at NQL Level 7 or higher) in Public Administration, or in Arts, Business or Law majoring in Public Administration and/or Municipal Law. He/she must have at least 10 years verifiable experience and understanding of broader local government governance regulation and legislation in particular; the Section 33 process of the Municipal Finance Management Act, Act 56 of 2003 (MFMA) and Section 78 process of the Municipal Systems Act, Act 32 of 2000 (MSA). As well as experience in transaction advisory services of Public Private Partnerships, municipal performance management and contract management.
B12.3.	**Financial Advisor** with a Bachelor's degree (at NQL Level 7 or higher) in Finance, Commerce, Economics, Actuarial Science, or in Arts, Science, Management majoring in economics and/or financial management. The Financial Advisor must have at least ten (10) years verifiable experience in leading a financial team in commercial projects, financial modelling with the capacity to interrogate the financial models, Budget analysis and affordability solutions, exposure to negations on commercial and financial matters, packaging funding requirements for projects, financial and investment analysis, risk identification and mitigation, and procurement and implementation of public private partnerships, Design, Build, Finance, Operate (DBFO) or similar projects.
B12.4.	**Legal Advisor** with a Bachelor's degree (NQF level 7 or higher) in Law (LLB) or Commerce with Law (BCom Law) or in Business or Arts majoring in commercial law and contracts law. The Legal Advisor must have at least ten (10) years verifiable experience in legal, institutional, governance, regulatory and transaction advisory services and understanding of broad local government governance matters and legislation, leading a legal team, performing legal quality assurance/ quality control on all bid documents and reports, preparing and draft PPP agreements and other contractual agreements, negotiations of legal aspects of the transaction, providing advisory services in drafting, negotiating and managing commercial agreements between government and the private sector or a mix of Design, Build, Finance, Operate (DBFO) projects.
B12.5.	**B-BBEE and Socio-Economic Specialist** with a Bachelor's degree (NQF level 7 or higher) in Law (LLB), Commerce with Law (BCom Law), or in Commerce, Economics or Socio-Economics. He/she must have at least five (5) years verifiable experience providing advisory services surrounding the legal and socio-economics systems that underpin the sourcing and purchasing of goods and services from SMMEs and businesses owned by historically disadvantaged individuals which are govern by B-BBEE Act No.53 of 2003, B-BBEE Amended Codes of Good Practice and Amended Sector Codes (specifically for the Construction Sector), MFMA Regulations (specifically the Supply Chain Management and Public Private Partnerships), Preferential Procurement Policy Framework Act, Public sector procurement and preferential procurement policies and processes, best practice by public and private sector entities in socio-economic development.

Reference	Description
B12.6.	**Infrastructure Asset Management Specialist** with a Bachelor's degree (NQL Lever 7 or Higher) in Engineering and Finance, Commerce, Economics, or Actuarial Science. He/she must have at least five (5) years verifiable experience and broader understanding of economics, financial and legal aspects of infrastructure projects within the local government environment and provide support to the lead financial specialist.
B12.7.	**Engineering Management and Financial Bridging Specialist** with a Bachelor's degree (NQF level 7 or higher) in Engineering with postgraduate financial specialization or a Financial Modelling & Valuation Analyst type certification. He/she must have at least five (5) years verifiable experience and broader understanding Public Private Partnerships (PPP) implementation, including financial and commercial background to bridge the technical aspects into the value assessment for the project.
B12.8.	**Support Personnel,** in respect of a transaction advisory services, means all other salaried staff with adequate expertise and relevant experience performing work on transaction advisory services with direction and control provided by any person contemplated under reference B11.1 to B11.7.
B13.	**Resident Engineering Services**
B13.1.	**Chief/Lead Resident Engineer** who is registered as a **Professional Engineer (PR Eng) or Professional Technologist (PR Tech Eng)** who has at least 20 (twenty) years verifiable post graduate experience in construction monitoring and site supervision of contract work with a civil and mechanical/electrical interface, reinforced concrete, water retaining structures and pipelines.
B13.2.	**Resident Engineer** with minimum 10 (ten) years verifiable post graduate experience in construction monitoring and site supervision of contract work with a civil and mechanical intertaca, reinforced concrete, water retaining structures and pipelines.
B14.	**Cathodic Protection specialist:** The required personnel must be a certified NACE CP3 specialist or Metallurgy Engineering (PR Eng. or other proven equivalent registration) who has at least 10 (ten) years verifiable postgraduate experience in the analysis and design of cathodic protection systems for steel pipelines.
B15.	**Dam Safety specialist**: The required personnel must be a professionally registered Civil Engineer or Civil Engineering Technologist (PR Eng. or PrTechEng or other proven equivalent registration) with at least 8 (aight) years verifiable postgraduate experience and must be registered as an Approved Professional Person with the Department of Water and Sanitation.
B16.	**Energy Optimisation specialist:** The required personnel must be professionally registered with a recognized body and have at least 10 years' verifiable postgraduate experience in the design of energy optimization systems incorporating new technologies.
B17.	**Fire Engineering Services**
B17.1.	**Mechanical Engineer – Fire Protection:** The required personnel must be professionally registered with the Engineering Council of South Africa (ECSA) and have at least 10 (ten) years verifiable postgraduate experience, in the field of Fire Suppression and Protection. Capabilities may include analysis, design, documentation and construction monitoring of wet & dry suppression systems, smoke extraction and other systems related to fire suppression and smoke control.
B17.2.	**Electrical Engineer – Fire Detection and Alarm:** The required personnel must be professionally registered with the Engineering Council of South Africa (ECSA) and have at least 10 (ten) years verifiable postgraduate experience, in the field of Fire Detection and Alarm System. Capabilities may include analysis, design, documentation and construction monitoring of fire detection, fire alarm, control systems, emergency lighting and other related systems.
B17.3.	**Fire Protection Systems Inspector:** The required personnel must be a Registered Fire Protection Systems Inspector with the Engineering Council of South Africa (ECSA), with at least 5 (five) years verifiable postgraduate experience in the field of which at least 3 (three) years' experience in the fire industry with installation, commissioning and maintenance of fire protection systems, and at least a further 2 (two) years' experience in a position of responsibility in fire protection system inspection.

Reference	Description
B18.	**Hazardous Substance Management specialist (Major Hazardous Installations, working with hazardous materials):** The required personnel must be a qualified Chemical or Process Engineer with at least 8 (eight) years proven experience in this specialised field and must be: (i) accredited by the South African National Accreditation System (SANAS) in accordance with ISO/IEC 17020:2012; and (ii) approved by, or registered with, the Department of Labour as an Approved Inspection Authority (Type A) to conduct Major Hazardous Installations audits/inspections.
B19.	**Hydrologist:** The required personnel must be a professionally registered hydrologist or professionally registered Civil Engineer or Civil Engineering Technologist (PrSciNat or PR Eng. or PrTechEng or other proven equivalent registration) with at least 8 (eight) years verifiable postgraduate experience in the water resource field, specifically focussed on large catchment hydrological modelling, system modelling and stream flow assessments.
B20.	**Traffic Impact specialist:** The required personnel must be a registered professional Civil Engineer or Civil Engineering Technologist (PR Eng. or PrTechEng or other proven equivalent registration), with at least 8 (eight) years verifiable postgraduate experience in Traffic Engineering. The specialist must have a postgraduate qualification in Transportation Engineering
B21.	**Water Quality specialist:** The required personnel must be a registered hydrologist (PrSciNat) registered with the South African Council for Natural Scientific Professions) or professional Civil Engineer (PR Eng.) with at least 8 (eight) years verifiable postgraduate experience in water quality modelling and assessments and water quality management.
B22.	**Water Resource modelling specialist:** The required personnel must be a professionally registered hydrologist or professionally registered Civil Engineer or Civil Engineering Technologist (PrSciNat or PR Eng. or PrTechEng or other proven equivalent registration), with at least 8 (eight) years verifiable postgraduate experience in the water resource field, specifically focussed on large catchment hydrological modelling, system modelling (DWS's WRPM, WRYM and MIKE) and stream flow assessments
B23.	**Water Resource Planning Engineer:** The required personnel must be a professionally registered Civil Engineer or Civil Engineering Technologist (PR Eng. or PrTechEng or other proven equivalent registration),
B24.	**Data Management Specialist:** The required personnel must have a Bachelor's degree in Electronic Engineering, Computer Science, Information Technology, Data Science or equivalent, with at least ten (10) years postgraduate experience in communication systems technology, data management and data security, infrastructure security, firewalls and intrusion detection systems, programming and scripting languages and specifically experience in SCADA (Supervisory Control And Data Acquisition) or Industrial, infrastructure based processes Control Systems, knowledge of database design, implementation and optimisation, understanding of decision support systems architecture, components and functionalities and knowledge of optimization, simulation and decision making algorithms.
B25.	**Communication Specialist.** The required personnel must have Bachelor's degree in communications, public relations, journalism, or a related field, with at least 3-5 years in public relations or communications, with experience in media relations, writing press releases, and crisis communication with respect to issues around government. Familiarity with communication tools and platforms is beneficial.
B26.	**Copywriter.** The required personnel must have a Bachelor's degree in English, journalism, communications, or a related field, with at least 2-4 years in content creation, with a portfolio of published work, preferably in a similar industry. Experience in technical/engineering report writing and digital content writing.
B27.	**Graphic Designer.** The required personnel must have a Bachelor's degree in graphic design, visual arts, or a related field, with at least 3+ years of experience in graphic design, with a strong portfolio demonstrating skills in branding, digital media, and print. Proficiency in design software is essential.
B28.	**Social Media Manager.** The required personnel must have Bachelor's degree in communications, marketing, journalism, or a related field, with at least 2-4 years managing social media platforms, with experience in content creation, engagement strategy, and analytics.

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Reference	Description
B17.	**Stakeholder Relations Specialist** the required personnel must have a Bachelor's degree in public relations, communications, political science, or a related field, with at least 4+ years in stakeholder relations, community engagement, or public affairs. Experience working with government or corporate stakeholders and an understanding of stakeholder mapping and engagement strategy are often preferred.
B18.	**Marketing Specialist** the required personnel must have a Bachelor's degree marketing, communications, or business administration with at least 3+ years in marketing, community outreach, or event management, with a track record of executing marketing or community engagement initiatives.
B19.	***COASTAL ENGINEERING SERVICES***
B31.1.	***Category A:*** *The required personnel must be professionally registered as a Engineer (Pr. Eng) with Engineering Council of South Africa (ECSA) or other proven equivalent registration, with at* ***least 20 (twenty)*** *years verifiable postgraduate experience in marine and coastal engineering. 5 (five) years of which needs to be verifiable international experience in marine and coastal engineering.*
B31.2.	***Category B:*** *The required personnel must be professionally registered as an engineer (Pr. Eng) or technologist (Pr. TechEng) with ECSA or other proven equivalent registration, with at least* ***15 (fifteen) years*** *verifiable postgraduate experience in marine and coastal engineering.*
B31.3.	***Category C1:*** *The required personnel must be a professionally registered with ECSA or other proven equivalent registration, and has* ***more*** *than* ***10 (ten) years*** *verifiable postgraduate experience, 3 (three) years of which must be in marine and coastal engineering.*
B31.4.	***Category C2:*** *The required personnel must be a professionally registered with ECSA or other proven equivalent registration, with* ***less*** *than* ***10 (ten) years*** *verifiable postgraduate experience, 3 (three) years of which must be in marine and coastal engineering.*
B31.5.	***Category D:*** *all other salaried technical staff with adequate expertise and relevant experience performing work of an engineering nature with direction and control provided by any person contemplated in categories A, B or C*

C2.2 Schedule of Rates

1: PLANNING, STUDIES, INVESTIGATIONS, ASSESSMENT AND NORMAL SERVICES AND ADDITIONAL SERVICES (STAGES 1 TO 4)

Time-based fees for Planning, Studies, Investigations, Assessments and Normal Service and Additional Services (ECSA Stages 1 to 4) as described in the Scope of Work for the following disciplines:

Item No.	Reference	Activity Description	Unit	Rates
1.1.	B1	PROJECT ENGINEER/LEAD	Hour	2,606
1.2.	B2	CIVIL ENGINEERING SERVICES		
1.2.1.	B2.1	Category A	Hour	1,939
1.2.2.	B2.2	Category B	Hour	1,581
1.2.3.	B2.3	Category C1	Hour	1,159
1.2.4.	B2.4	Category C2	Hour	705
1.2.5.	B2.5	Category D	Hour	410
1.3.	B2	STRUCTURAL ENGINEERING SERVICES		
1.3.1.	B2.1	Category A	Hour	1,724
1.3.2.	B2.2	Category B	Hour	1,496
1.3.3.	B2.3	Category C1	Hour	1,112
1.3.4.	B2.4	Category C2	Hour	877
1.3.5.	B2.5	Category D	Hour	439
1.4.	B2	CHEMICAL ENGINEERING SERVICES		
1.4.1.	B2.1	Category A	Hour	2,026
1.4.2.	B2.2	Category B	Hour	1,471
1.4.3.	B2.3	Category C1	Hour	1,145
1.4.4.	B2.4	Category C2	Hour	747
1.4.5.	B2.5	Category D	Hour	546
1.5.	B2	MECHANICAL ENGINEERING SERVICES		
1.5.1.	B2.1	Category A	Hour	1,967
1.5.2.	B2.2	Category B	Hour	1,822
1.5.3.	B2.3	Category C1	Hour	1,159

1: PLANNING, STUDIES, INVESTIGATIONS, ASSESSMENT AND NORMAL SERVICES AND ADDITIONAL SERVICES (STAGES 1 TO 4)

Time-based fees for Planning, Studies, Investigations, Assessments and Normal Service and Additional Services (ECSA Stages 1 to 4) as described in the Scope of Work for the following disciplines:

Item No.	Reference	Activity Description	Unit	Rates
1.5.4.	B2.4	Category C2	Hour	741
1.5.5.	B2.5	Category D	Hour	526
1.6.	**B2**	**ELECTRICAL ENGINEERING SERVICES**		
1.6.1.	B2.1	Category A	Hour	2,133
1.6.2.	B2.2	Category B	Hour	1,691
1.6.3.	B2.3	Category C1	Hour	1,366
1.6.4.	B2.4	Category C2	Hour	1,007
1.6.5.	B2.5	Category D	Hour	609
1.7.	**B2**	**ELECTRONIC ENGINEERING SERVICES**		
1.7.1.	B2.1	Category A	Hour	2,133
1.7.2.	B2.2	Category B	Hour	1,691
1.7.3.	B2.3	Category C1	Hour	1,366
1.7.4.	B2.4	Category C2	Hour	1,007
1.7.5.	B2.5	Category D	Hour	609
1.8.	***B31***	***COASTAL ENGINEERING SERVICES***		
1.8.1.	*B31.1*	*Category A*	*Hour*	1,971
1.8.2.	*B31.2*	*Category B1*	*Hour*	1,657
1.8.3.	*B31.3*	*Category C1*	*Hour*	1,438
1.8.4.	*B31.4*	*Category C2*	*Hour*	1,007
1.8.5.	*B31.5*	*Category D*	*Hour*	517
1.9.	**B2**	**GEOTECHNICAL ENGINEERING SERVICES**		
1.9.1.	B2.1	Category A	Hour	2,114
1.9.2.	B2.2	Category B	Hour	1,984
1.9.3.	B2.3	Category C1	Hour	1,325
1.9.4.	B2.4	Category C2	Hour	965
1.9.5.	B2.5	Category D	Hour	426
1.10.	**B3**	**HYDRAULIC ENGINEER**	Hour	988

1: PLANNING, STUDIES, INVESTIGATIONS, ASSESSMENT AND NORMAL SERVICES AND ADDITIONAL SERVICES (STAGES 1 TO 4)

Time-based fees for Planning, Studies, Investigations, Assessments and Normal Service and Additional Services (ECSA Stages 1 to 4) as described in the Scope of Work for the following disciplines:

Item No.	Reference	Activity Description	Unit	Rates
1.11.	**B4**	**PROCESS DESIGN ENGINEER**		
1.11.1.	B4.1	Process Engineer (Civil)	Hour	2,016
1.11.2.	B4.2	Process Engineer (Chemical)	Hour	1,471
1.12.		**QUANTITY SURVEYING SERVICES**		
1.12.1.		Registered Professional Principals (Specialist)	Hour	1,949
1.12.2.		Registered Professional Principals (> 10 years experience)	Hour	1,295
1.12.3.		Registered Professional Principals (5 – 10 years' experience)	Hour	825
1.12.4.		Registered Professional Principals (< 5 years' experience)	Hour	410
1.12.5.		Salaried Personnel	Hour	410
1.13.		**ARCHITECTURAL SERVICES**		
1.13.1.		Principal (Specialist)	Hour	1,680
1.13.2.		Principal (>10 years' experience)	Hour	1,315
1.13.3.		Principal (<10 years' experience)	Hour	1,069
1.13.4.		Salaried staff (Associates and Managers)	Hour	917
1.13.5.		Salaried Staff (Registered architectural professionals performing work of an architectural nature and carrying direct responsibility for activities related to a project)	Hour	917
1.13.6.		Salaried Staff (Registered architectural professionals performing work of an architectural nature under direction and control)	Hour	695
1.13.7.		Salaried Staff (Staff performing work of an architectural nature and/or to support architectural work outputs under direction and control)	Hour	398
1.13.8.		Unregistered Architect	Hour	611
1.14.	**B5**	**PROJECT MANAGEMENT SERVICES**		
1.14.1.	B5.1	Category A	Hour	2,134
1.14.2.	B5.2	Category B	Hour	1,668
1.14.3.	B5.3	Category C	Hour	894
1.14.4.	B5.4	Category D	Hour	709
1.15.	**B6**	Project Planner/Scheduler	Hour	728
1.16.	**B7**	**OCCUPATIONAL HEALTH AND SAFETY SERVICES**		
1.16.1.	B7.1	Professional Construction Health and Safety Agent	Hour	1,009
1.16.2.	B7.2	Construction Health and Safety Manager	Hour	653
1.16.3.	B7.3	Construction Health and Safety Officer	Hour	560
1.17.	**B8**	**ENVIRONMENTAL AND HERITAGE SERVICES**		
1.17.1.	B8.1	Environmental Assessment Practitioner	Hour	922

1: PLANNING, STUDIES, INVESTIGATIONS, ASSESSMENT AND NORMAL SERVICES AND ADDITIONAL SERVICES (STAGES 1 TO 4)

Time-based fees for Planning, Studies, Investigations, Assessments and Normal Service and Additional Services (ECSA Stages 1 to 4) as described in the Scope of Work for the following disciplines:

Item No.	Reference	Activity Description	Unit	Rates
1.17.2.	B8.2	Environmental Assessment Practitioner Assistant	Hour	524
1.17.3.	B8.3	Environmental Control Officer	Hour	605
1.17.4.	B8.4	Environmental Auditor	Hour	922
1.17.5.	B8.5	Heritage Assessment Practitioner	Hour	1,273
1.17.6.		Heritage Assessment Practitioner Assistant	Hour	398
1.17.7.	B8.6	Freshwater Ecologist	Hour	1,477
1.17.8.	B8.7	Environmental Specialist (e.g. botanist, horticulturist, marine biologist, etc.)	Hour	1,477
1.18.	**B9**	**PUBLIC PARTICIPATION AND COMMUNICATION SERVICES**		
1.18.1.	B9.1	Public Participation Practitioner (Lead)	Hour	705
1.18.2.		Public Participation: Support	Hour	410
1.18.3.		Public Participation: Administrative assistant	Hour	410
1.19.		**LANDSCAPE ARCHITECTURAL SERVICES**		
1.19.1.		Registered Professional Principal Landscape Architect (minimum 8 years' experience)	Hour	1,109
1.19.2.		Staff performing work of a landscape architectural nature and carrying direct responsibility for one or more specific activities related to a project	Hour	885
1.20.	**B10**	**GEOLOGICAL SERVICES**		
1.20.1.	B10.1	Geologist - Category B	Hour	1,092
1.20.2.	B10.2	Geologist - Category C	Hour	881
1.20.3.	B10.3	Seismologist / Seismotectonics Expert / Structural Geologist (Note B17)	Hour	2,145
1.21.	**B11**	**GEOHYRDOLOGICAL SERVICES**		
1.21.1.	B11.1	Category A	Hour	1,527
1.21.2.	B11.2	Category B	Hour	1,222
1.21.3.	B11.3	Category C	Hour	968
1.21.4.	B11.4	Category D	Hour	611
1.22.	**B12**	**TRANSACTION ADVISORY SERVICES**		
1.22.1.	B12.1	Transaction Advisory/ PPP Specialist	Hour	2,338
1.22.2.	B12.2	Local Government Advisor	Hour	1,638
1.22.3.	B12.3	Financial Advisor	Hour	2,160

1: PLANNING, STUDIES, INVESTIGATIONS, ASSESSMENT AND NORMAL SERVICES AND ADDITIONAL SERVICES (STAGES 1 TO 4)

Time-based fees for Planning, Studies, Investigations, Assessments and Normal Service and Additional Services (ECSA Stages 1 to 4) as described in the Scope of Work for the following disciplines:

Item No.	Reference	Activity Description	Unit	Rates
1.22.4.	B12.4	Legal Advisor	Hour	2,545
1.22.5.	B12.5	B-BBEE and Socio-Economic Specialist	Hour	1,433
1.22.6.	B12.6	Infrastructure Asset Management Specialist	Hour	1,125
1.22.7.	B12.7	Engineering Management and Financial Bridging Specialist	Hour	1,805
1.22.8.	B12.8	Support Personnel	Hour	456

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2: NORMAL SERVICES AND ADDITIONAL SERVICES (ECSA STAGES 5 TO 6)

Time-based fees for Normal Services (ECSA Stages 5 to 6) and Additional Services as described in the Scope of Work for the following disciplines:

Item No.	Reference	Activity Description	Unit	Rates
2.1.	**B1**	**PROJECT ENGINEER/LEAD**	Hour	2,606
2.2.	**B2**	**CIVIL ENGINEERING SERVICES**		
2.2.1.	B2.1	Category A	Hour	1,959
2.2.2.	B2.2	Category B	Hour	1,581
2.2.3.	B2.3	Category C1	Hour	1,169
2.2.4.	B2.4	Category C2	Hour	765
2.2.5.	B2.5	Category D	Hour	410
2.3.	**B2**	**STRUCTURAL ENGINEERING SERVICES**		
2.3.1.	B2.1	Category A	Hour	1,724
2.3.2.	B2.2	Category B	Hour	1,496
2.3.3.	B2.3	Category C1	Hour	1,112
2.3.4.	B2.4	Category C2	Hour	877
2.3.5.	B2.5	Category D	Hour	582
2.4.	**B2**	**CHEMICAL ENGINEERING SERVICES**		
2.4.1.	B2.1	Category A	Hour	2,026
2.4.2.	B2.2	Category B	Hour	1,471
2.4.3.	B2.3	Category C1	Hour	1,145
2.4.4.	B2.4	Category C2	Hour	747
2.4.5.	B2.5	Category D	Hour	546
2.5.	**B2**	**MECHANICAL ENGINEERING SERVICES**		
2.5.1.	B2.1	Category A	Hour	1,967
2.5.2.	B2.2	Category B	Hour	1,822
2.5.3.	B2.3	Category C1	Hour	1,159
2.5.4.	B2.4	Category C2	Hour	741
2.5.5.	B2.5	Category D	Hour	526
2.6.	**B2**	**ELECTRICAL ENGINEERING SERVICES**		
2.6.1.	B2.1	Category A	Hour	2,133
2.6.2.	B2.2	Category B	Hour	1,691
2.6.3.	B2.3	Category C1	Hour	1,366

2: NORMAL SERVICES AND ADDITIONAL SERVICES (ECSA STAGES 5 TO 6)

Time-based fees for Normal Services (ECSA Stages 5 to 6) and Additional Services as described in the Scope of Work for the following disciplines:

Item No.	*Reference*	*Activity Description*	*Unit*	*Rates*
2.6.4.	B2.4	Category C2	Hour	1,007
2.6.5.	B2.5	Category D	Hour	609
2.7.	**B2**	**ELECTRONIC ENGINEERING SERVICES**		
2.7.1.	B2.1	Category A	Hour	2,133
2.7.2.	B2.2	Category B	Hour	1,691
2.7.3.	B2.3	Category C1	Hour	1,356
2.7.4.	B2.4	Category C2	Hour	1,007
2.7.5.	B2.5	Category D	Hour	609
2.8.	***B31***	***COASTAL ENGINEERING SERVICES***		
2.8.1.	*B31.1*	*Category A*	*Hour*	1,971
2.8.2.	*B31.2*	*Category B1*	*Hour*	1,657
2.8.3.	*B31.3*	*Category C1*	*Hour*	1,438
2.8.4.	*B31.4*	*Category C2*	*Hour*	1,007
2.8.5.	*B31.5*	*Category D*	*Hour*	517
2.9.	**B2**	**GEOTECHNICAL ENGINEERING SERVICES**		
2.9.1.	B2.1	Category A	Hour	2,114
2.9.2.	B2.2	Category B	Hour	1,984
2.9.3.	B2.3	Category C1	Hour	1,325
2.9.4.	B2.4	Category C2	Hour	965
2.9.5.	B2.5	Category D	Hour	426
2.10.	**B3**	**HYDRAULIC ENGINEER**	Hour	988
2.11.	**B4**	**PROCESS DESIGN ENGINEER**		
2.11.1.	B4.1	Process Engineer (Civil)	Hour	2,016
2.11.2.	B4.2	Process Engineer (Chemical)	Hour	1,471
2.12.		**QUANTITY SURVEYING SERVICES**		
2.12.1.		Registered Professional Principals (Specialist)	Hour	1,949
2.12.2.		Registered Professional Principals (> 10 years' experience)	Hour	1,295
2.12.3.		Registered Professional Principals (5 – 10 years' experience)	Hour	825

[redacted]

2: NORMAL SERVICES AND ADDITIONAL SERVICES (ECSA STAGES 5 TO 6)

Time-based fees for Normal Services (ECSA Stages 5 to 6) and Additional Services as described in the Scope of Work for the following disciplines:

2.12.4.		Registered Professional Principals (< 5 years' experience)	Hour	410
2.12.5.		Salaried Personnel	Hour	410
2.13.		**ARCHITECTURAL SERVICES**		
2.13.1.		Principal (Specialist)	Hour	1,680
2.13.2.		Principal (>10 years' experience)	Hour	1,375
2.13.3.		Principal (<10 years' experience)	Hour	1,069
2.13.4.		Salaried staff (Associates and Managers)	Hour	917
2.13.5.		Salaried Staff (Registered architectural professionals performing work of an architectural nature and carrying direct responsibility for activities related to a project)	Hour	917
2.13.6.		Salaried Staff (Registered architectural professionals performing work of an architectural nature under direction and control)	Hour	693
2.13.7.		Salaried Staff (Staff performing work of an architectural nature and/or to support architectural work outputs under direction and control)	Hour	398
2.13.8.		Unregistered Architect	Hour	611
2.14.	**B5**	**PROJECT MANAGEMENT SERVICES**		
2.14.1.	B5.1	Category A	Hour	2,184
2.14.2.	B5.2	Category B	Hour	1,668
2.14.3.	B5.3	Category C	Hour	894
2.14.4.	B5.4	Category D	Hour	709
2.14.5.	**B6**	Project Planner/Scheduler	Hour	728
2.15.	**B7**	**OCCUPATIONAL HEALTH AND SAFETY SERVICES**		
2.15.1.	B7.1	Professional Construction Health and Safety Agent	Hour	1,009
2.15.2.	B7.2	Construction Health and Safety Manager	Hour	655
2.15.3.	B7.3	Construction Health and Safety Officer	Hour	560
2.16.	**B8**	**ENVIRONMENTAL AND HERITAGE SERVICES**		
2.16.1.	B8.1	Environmental Assessment Practitioner	Hour	922
2.16.2.	B8.2	Environmental Assessment Practitioner Assistant	Hour	524
2.16.3.	B8.3	Environmental Control Officer	Hour	605
2.16.4.	B8.4	Environmental Auditor	Hour	922
2.16.5.	B8.5	Heritage Assessment Practitioner	Hour	1,273

2: NORMAL SERVICES AND ADDITIONAL SERVICES (ECSA STAGES 5 TO 6)

Time-based fees for Normal Services (ECSA Stages 5 to 6) and Additional Services as described in the Scope of Work for the following disciplines:

2.16.6.		Heritage Assessment Practitioner Assistant	Hour	~~1,273~~ 398
2.16.7.	B8.6	Freshwater Ecologist	Hour	~~398~~ 1,477
2.16.8.	B8.7	Environmental Specialist (e.g. botanist, horticulturist, marine biologist, etc.)	Hour	1,477
2.17.	**B9**	**PUBLIC PARTICIPATION AND COMMUNICATION SERVICES**		
2.17.1.	B9.1	Public Participation Practitioner (Lead)	Hour	705
2.17.2.		Public Participation: Support	Hour	410
2.17.3.		Public Participation: Administrative assistant	Hour	410
2.18.		**LANDSCAPE ARCHITECTURAL SERVICES**		
2.18.1.		Registered Professional Principal Landscape Architect (minimum 8 years' experience)	Hour	1,109
2.18.2.		Staff performing work of a landscape architectural nature and carrying direct responsibility for one or more specific activities related to a project	Hour	885
2.19.	**B10**	**GEOLOGICAL SERVICES**		
2.19.1.	B10.1	Geologist - Category B	Hour	1,092
2.19.2.	B10.2	Geologist - Category C	Hour	881
2.19.3.	B10.3	Seismologist / Seismotectonics Expert / Structural Geologist (Note B17)	Hour	2,105
2.20.	**B11**	**GEOHYRDOLOGICAL SERVICES**		
2.20.1.	B11.1	Category A	Hour	1,527
2.20.2.	B11.2	Category B	Hour	1,222
2.20.3.	B11.3	Category C	Hour	968
2.20.4.	B11.4	Category D	Hour	611
2.21.	**B12**	**TRANSACTION ADVISORY SERVICES**		
2.21.1.	B12.1	Transaction Advisory/ PPP Specialist	Hour	2,338
2.21.2.	B12.2	Local Government Advisor	Hour	1,638
2.21.3.	B12.3	Financial Advisor	Hour	2,160
2.21.4.	B12.4	Legal Advisor	Hour	2,545
2.21.5.	B12.5	B-BBEE and Socio-Economic Specialist	Hour	1,433
2.21.6.	B12.6	Infrastructure asset Management Specialist	Hour	1,125

2: NORMAL SERVICES AND ADDITIONAL SERVICES (ECSA STAGES 5 TO 6)

Time-based fees for Normal Services (ECSA Stages 5 to 6) and Additional Services as described in the Scope of Work for the following disciplines:

2.21.7.	B12.7	Engineering Management and Financial Bridging Specialist	Hour	1,895
2.21.8.	B12.8	Support Personnel	Hour	456
2.22.	**B13**	**Resident Engineering Services**		
2.22.1.	B13.1	Chief/ Lead Resident Engineer (Level 3 monitoring)	month	125,000
2.22.2.	B13.2	Resident Engineer (Level 3 Monitoring)	month	102,000
2.22.3.		Assistant Resident Engineer (Level 3 Monitoring)	month	68,000

3: ADDITIONAL AND SPECIALIST SERVICES - GENERAL

Time-based fees for Normal Services Stages 1 to 6 and Additional Services for the following disciplines:

Item No.	Reference	Activity Description	Unit	Rate
3.1.		Conveyancer	Hour	1,630
3.2.		Land Surveyor – Field Work (civil topographical surveys or survey/measure existing structures)	Hour	713
3.3.		Land Surveyor – Office Work (reduce field work, prepare CAD/GIS drawing/s, maps and reports)	Hour	594
3.4.		Registered Land Surveyor (cadastral surveys, property registration of sub-divisions)	Hour	891
3.5.		Town Planner (Zoning/Land Use report/reports or certificates/ re-zoning applications)	Hour	1,367
3.6.		CAD Draughting Operator	Hour	836
3.7.		BIM Specialist Modeller	Hour	615
3.8.		GIS technician	Hour	585
3.9.	B14	Cathodic Protection specialist	Hour	1,527
3.10.	B15	Dam Safety specialist	Hour	936
3.11.	B16	Energy Optimisation specialist	Hour	1,007
3.12.	B17	Fire Engineering Services		
3.13.	B17.1	Mechanical Engineer - Fire Protection	Hour	1,269
3.14.	B17.2	Electrical Engineer - Fire Detection and Alarm	Hour	1,007
3.15.	B17.3	Fire Protection Systems Inspector	Hour	1,070
3.16.	B18	Hazardous Substances Management specialist (Major Hazardous Installations, working with hazardous materials)	Hour	1,527
3.17.	B19	Hydrologist	Hour	970
3.18.	B20	Traffic Impact specialist	Hour	1,527
3.19.	B21	Water Quality specialist	Hour	1,506
3.20.	B22	Water Resource modelling specialist	Hour	970
3.21.	B23	Water Resource Planning Engineer	Hour	876
3.22.	B24	Data Management Specialist	Hour	1,007
3.23.	B25	Communication Specialist	Hour	799
3.24.	B26	Copywriter	Hour	538
3.25.	B27	Graphic Designer	Hour	717
3.26.	B28	Social Media Manager	Hour	483
3.27.	B29	Stakeholder Relations Specialist	Hour	1,710
3.28.	B30	Marketing Specialist	Hour	799

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4: RECOVERABLE EXPENSES

Recoverable Expenses

Item No.		Activity Description	Unit	Sum
4.1.		Service Provider's cost for materials, equipment, testing and/or any other recoverable expenses not covered in the tender document will be claimed under this item for each individual works project during the Framework Contract Period.	Provisional Sum	R 300 000 (incl VAT)
4.2.		Laboratory Testing and Analysis per works project	Provisional Sum	R 5 000 000.00 (Excl VAT)
4.3.		Security Services per works project	Provisional Sum	R 1 000 000.00 (excl VAT)
4.4.		Geotechnical Testing (Site and Laboratory) per works project	Provisional Sum	R 2 000 000.00 (excl VAT)
4.5.		Applying for wayleave conditions and approvals from all services authorities	Provisional Sum	R 300 000 (incl VAT)

Provision for Service Provider's Mark-up on Recoverable Expenses

Item No.		Activity Description	Unit	Tendered Percentage
4.6.		Service Provider's percentage mark-up on item 4.1 to *4.5* above	%	5%

5: DISBURSEMENTS/RECOVERABLE EXPENSES

Item No.		Description	Unit	
		Recoverable expenses in respect of printing/plotting/copying, traveling expenses, etc. as specified below:		
5.1		Size A0 (Monochrome)	No.	8·28
5.2		Size A1 (Monochrome)	No.	6·06
5.3		Size A2 (Monochrome)	No.	5·24
5.4		Size A3 (Monochrome)	No.	0·66
5.5		Size A4 (Monochrome)	No.	0·31
5.6		Size A4 (Monochrome on colour paper)	No.	3·74
5.7		Size A0 (Colour)	No.	45·91
5.8		Size A1 (Colour)	No.	33·83
5.9		Size A2 (Colour)	No.	22·91
5.10		Size A3 (Colour)	No.	1·97
5.11		Size A4 (Colour)	No.	0·97
5.12		Laminated posters: Size A0 (Colour)	No.	79·26
5.13		Laminated posters: Size A1 (Colour)	No.	58·21
5.14		Laminated posters: Size A2 (Colour)	No.	35·10
5.15		Laminated posters: Size A3 (Colour)	No.	3·89
5.16		Compilation and binding of reports/tender documents, books of drawings, etc.	No.	30
5.17		Electronic Data provided on a flash drive (4 GB).	No.	100
5.18		Provision of Personal Computer	No.	480
5.19		Travel expenses	km	4·76
5.20		Travel expenses (4 X 4)	km	7·10

DECLARATION (In respect of completeness of Tender)

[redacted]

I, the undersigned, do hereby declare that the above is a properly priced Schedule of Rates forming part of this Contract Document upon which my/our tender for Tender No. **308C/2024/25:** TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

[redacted]

SIGNATURE OF TENDERER/S

2025-08-07

DATE

[redacted]

Part C3: Scope of Work

		Pages
C3.1	Definitions	91
C3.2	Framework Scope	92 to 109
C3.3	Works Project Scope	110
C3.4	Supplementary Specifications	111 to 137
C3.4	Annexes	138 to 140

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C3.1 Definitions

"Guidelines" means the discipline specific guidelines as listed in C3.2.5

"HVAC" means heating, ventilation, and air conditioning.

"Intellectual Property" means any and all intellectual property rights of any nature anywhere in the world whether registered, registerable or otherwise, including patents, trademarks, registered designs and domain names, applications for any of the foregoing, trade or business names, copyright and rights in the nature of copyright, design rights, rights in databases, know-how, trade secrets and any other intellectual property rights which subsist in computer software, computer programs, websites, documents, information, techniques, business methods, drawings, logos, instruction manuals, lists and procedures and particulars of customers, marketing methods and procedures and advertising literature, including the "look and feel" of any websites.

"Key Personnel" means specific personnel within the Service Provider's organisation or through established agreements are available throughout the framework contract duration.

"PPP" means Public Private Partnership

"Preference Schedule" means Schedule 24 of the Tender Documents.

"Purchase Order" means the official purchase order created and released on the City of Cape Town's SAP System.

"Schedule of Rates" means the accepted contract rates in C2. Pricing Data.

"Stage Gate Review" mean the Employer internal process at which Projects are assessed by an internal committee to ascertain whether the Project stage is complete and is ready to proceed to the next stage.

"Verifiable Postgraduate Experience" means experience gained from the time of obtaining the relevant qualification in that particular service or discipline which can be verified by records.

"Winner" means the Service Provider appointed to this contract as "Winner" in C1.1 – Form of Offer and Acceptance.

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C3.2 FRAMEWORK SCOPE

C3.2.1 INTRODUCTION

The City of Cape Town (hereinafter referred to as "the City") has a constitutional obligation to provide safe drinking water to the City's residents and is the legally mandated water services authority.

With the need for an increase in assurance of supply of water and the decline of surface water availability, the city had to consider augmentation of alternative water resources.

The City's Water Strategy recognises and promotes alternative water sources to reduce dependency on rainfall. These include sea water desalination, ground water (and managed aquifer recharge) and water reuse. All of these alternative options have long been recognised as opportunities for Cape Town, with studies dating back to the early 1990s, having been regularly updated and refined since then.

The 2017 drought forced the execution of alternative water resources to be brought forward. This resulted in the New Water Programme being developed under Commitment 3 of the Water Strategy, which is sufficient, reliable water from diverse water resources by 2030.

The Faure New Water Scheme is the development of the 70 ML/d capacity scheme utilizing treated effluent from Zandvliet Waste Water Treatment Works (WWTW) and treating it further through an advance treatment process to produce drinking water. This water will be blended with the water at the Faure Water Treatment Works before it is distributed to the reticulation network.

The City is currently investigating future water re-use projects which will form part of the scope of works for this contract.

In terms of the Municipal Finance Management Act, 2003 and the Municipal Supply Chain Management Regulations, 2005, a Professional Service Provider is required to provide the Engineering Professional Services necessary to implement these projects, which must be procured through a competitive bidding process.

The design and possible procurement project phases of the Faure New Water Scheme will be completed under **Contract No. 194C/2021/21: TERM TENDER FOR THE PROVISION OF MULTIDISCIPLINARY PROFESSIONAL SERVICES FOR THE WATER AND SANITATION DEPARTMENT OF THE CITY OF CAPE TOWN**, which ends 30 September 2026. The purpose of this contract is to appoint a Professional Service Provider to continue the implementation phase of the project and to plan and investigate further water reuse schemes for the City of Cape Town.

As this project will exceed the three year budget cycle, it is subject to Section 33 of the Municipal Finance Management Act, 56 of 2003, and consequently the Employer must follow the required processes in terms of Section 33. These will run subsequent to the provisional award of this tender/contract by the City of Cape Town Supply Chain Management.

C3.2.2 BACKGROUND

The Faure New Water Scheme

The advanced treatment and reuse of water sourced from Zandvliet WWTW has been investigated since October 2001.

The outcome of these studies identified Zandvliet WWTW es a potential feesible source for water reuse, to augment the City's water supply capacity.

The Faure NWS is a City of Cape Town (the City) direct potable water reuse project closely aligned with national and provincial planning around mitigation of climate change.

Initially both Zandvliet WWTW and Macassar WWTW proved to be potential sources to supply the scheme. However, with the sizable upgrade of the Zandvliet Works and the relatively consistent water quality profile of the wastewater from within its catchment, Zandvliet has been shown as preferable.

Initially the advanced treatment plant was to be located at Zandvliet. However since it would be operated by the Bulk Water branch, it was decided that the advance treatment plant would be located at the Faure Water Treatment Works (WTW), which is owned and operated by the Bulk Water Branch. The Faure WTW is located in close proximity to Zandvliet WWTW and will form an integrated part of the overall proposed Faure New Water Scheme (NWS) project.

The Faure New Water Scheme is currently designed for an initial capacity of 70 ML/d, with provisions made to upgrade the scheme to 100Ml/d.

The planning and design of the Faure New Water Scheme have been completed under Contract No 35C/2016/17 and 194C/2020/21. However the implementation phase of the project will not be completed before the contract expiry date of Contract No. 194C/2020/21 and thus the appointment for professional consultancy services is required for the successful completion of the Faure New Water Scheme.

The overall project from design to completion comprises of the following components:

- Pre-treatment and pumping facilities (including Civil, Mechanical and Electrical works) at Zandvliet WWTW, referred to as Zone 1. This is over and above the Zandvliet WWTW upgrade itself, which is being done under a separate contract/s.
- A 70Ml/d advanced purification plant, upgradable to 100 Ml/d, referred to as Zone 2, located at the City's existing Faure WTP. The advanced purification plant includes, ozonation, biological activated carbon (BAC) filters, granular activated carbon (GAC) filters, ultra-filtration (UF) and UV Advance Oxidation Process (UVAOP) treatment facilities.
- A 7,1km long, 1220mm diameter steel rising main pipeline connecting Zone 1 to Zone 2, including installation of sleeves under existing roads and railway line.
- Conveyance of purified product water from the advanced purification plant at Zone 2 into the existing Faure WTP via a 570m long, 915mm diameter pumped steel rising main.
- Conveyance of product water from the advanced purification plant at Zone 2 to the Eerste River during the plant verification period via a 600m long, 1065mm diameter gravity steel pipeline, also serving to convey plant overflow and process residual streams from the advanced purification plant at Zone 2 to the river.
- Conveyance of a sludge and sanitation stream from Zone 2 back to the Zandvliet WWTW (via the existing Delft sewer), by means of a 5,500m long, 315mm, HDPE pipeline connecting into that sewer.
- The rehabilitation of the badly eroded Faure Stream which currently serves to discharge stormwater and other process waters from the existing Faure WTP to the Eerste River.

The Detail Design Report will be available for viewing upon request.

The City is investigating the most suitable option to construct and operate the Faure New Water Scheme via the Section 78 process of the Local Government Municipal Systems Act (MSA), Act 32 of 2000. The investigation entails a feasibility study of alternative options for the implementation and operation of the scheme, which includes an option for Public- Private Partnerships. This investigation should be concluded by the time this Contract is awarded.

Should the project be implemented via a Public- Private Partnership (PPP), the Employer will require the Service Provider to be the Transaction Advisor for the PPP.

Furthermore Public/Stakeholder Engagement Plan forms a significant part of this project to ensure that we are transparent with public on Water-Reuse.

The estimated total construction cost of the Faure NWS is estimated at approximately R4 billion (excl. VAT) with an estimated start date in 2026.

Further Water- Reuse Schemes

The City is currently investigating further water re-use schemes, this contract would require these schemes to be further investigated in terms of ECSA stages 1 and 2.

C3.2.3 EMPLOYER'S OBJECTIVE

The Employer's objective is to appoint a Professional Service Provider (PSP) to complete the Faure New Water Scheme project and to plan, investigate and design future water re-use schemes for the City. The Employer intends to appoint a "Winner" and an "Alternative Supplier" to provide multi-disciplinary professional services.

This appointment seeks to appoint a professional service provider to take over the professional services roles and responsibilities of the currently appointed professional service provider under Contract 194C/2020/21 for the remaining Procurement and Construction Monitoring and Administration and Close Out stages or act as the Transaction Advisors for the PPP for the Faure New Water Scheme and for the ECSA Stages 1 and 2 of other water re-use schemes.

The list of Works projects contained in Clause C3.2.6 (Typical Works projects) is merely an outline of the scope of the Contract Works and shall not limit the work to be carried out by the Service Provider under this Framework Contract. The anticipated services to be provided in accordance with the Framework Contract Document for the Typical Works Orders are included in the Schedules of Rates.

In general, it is the Employee's intention for the Service Provider to provide all stages of services (ECSA Stages 1-6) for a particular Works project

It will be expected that a Project Leader (Project Manager or similar professional person) will lead the teams of Professional Service Providers (including Transaction Advisors) and who will draw the required competencies from resources available to him (e.g. in his own company or sub-consultant) or from external approved Service Providers.

The key personnel in the Service Provider teams shall comply with the competencies required irrespective of the nature of the teams and will be evaluated as a single entity

In addition a liaison period between the 194C/2020/21 PSP and the PSP appointed under this tender will be required to ensure successful handover between the two parties. It should be noted that the new PSP will be required to accept Design & Professional Liability of any amendments or changes to the current design/s during the review period or during the course of the design/procurement and construction phase.

The Employer's intent is to continue with the existing design philosophy and procurement method already established. Hence the appointed PSP is to take due consideration during the PSP liaison period and must make every effort to avoid any impact or delays to the project. Should there be a delay to the construction contracts attributable to poor handling of the Design Review, as determined by the Employer, between the PSP's, the Employer will apply penalties as per Clause 3.12 to the PSP appointed via this tender.

The Service Provider will furthermore be required to procure, on instruction from the Employer, any other specialist services es may be required for the successful implementation of this project, in terms of a sub-consultancy or sub-contract agreement.

C3.2.4 GENERAL REQUIREMENTS

This section includes general requirements applicable to the execution of Time Charge Order and Works Project contracts.

The Service Provider to provide the professional services necessary for the implementation of Projects and advisory services to the Employer. Projects are procured through a works project allocation process as described in this document.

The work that is to be carried out under the contract is as provided for in the Schedules of Rates. However, if during the course of the Works project, circumstances are found to differ from those anticipated, the Employer reserves the right to modify the scope of the Works project to suit the prevailing circumstances.

Purchase Orders will be raised for each approved Works Project by the Employer. Such Works Projects will be based on the Schedules of Rates.

Other additional services are envisaged and will be priced and paid for in accordance with the Schedules of Rates and all other conditions of this tender.

The services to be provided in terms of this contract are inextricably linked to the Employer's budget, and it should be noted that while the Employer has every intention of completing the full Scope of Work making full use of the budget allocation, the Employer's budget is subject to periodic review. Should it become necessary to vary the scope of work or even suspend or terminate this contract, such variation, suspension or termination shall be dealt with in accordance with the provisions of the Standard Professional Services Contract as amended by the Contract Data.

C3.2.5 GUIDELINE REFERENCES

The following industry standard guidelines apply for the execution of Word Orders as expanded or amended by the individual Works Project scope:

C3.2.5.1 Engineering Services (All Disciplines)

The provision of all services described in the Scope of Services **Guideline for Services and Processes for Estimating Fees for Persons Registered in terms of the Engineering Profession Act, 2000 (Act No. 46 of 2000), as gazetted in Government Gazette No. 44333, 26 March 2021**, as amended or amplified upon in the Works Project Brief.

The Service Provider's attention is also drawn to the responsibilities of the designer of a structure in terms of the Construction Regulations, and shall comply with all requirements in this regard.

The Service Provider shall, apart from conducting his own activities in compliance with the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and Construction Regulations 2014, ensure that any sub-consultants/contractors employed by the Service Provider also comply with the requirements of the Act and Regulations. The Service Provider shall enter into an agreement with the Employer in this regard before the commencement of any work related to this contract (Form C1.3, Occupational Health and Safety Agreement Part C1, refers).

C3.2.5.2 Quantity Surveying Services

The provision of all services described in **Guideline Tariff of Professional Fees in respect of Services rendered by Persons Registered in terms of the Quantity Surveying Profession Act, 2000 (Act No 49 of 2000), Board Notice 741 of 2025 as gazetted in Government Gazette No. 52152, 21 February 2025**, as amended or amplified upon in the Works Project Brief. These services will be paid for utilising the hourly rates tendered

Please note that for the purposes of this tender Principal Agency and Principal Consultancy is NOT to be included in Building and Engineering Works Services.

C3.2.5.3 Architectural Services

The provision of all services described in **Framework for the Professional Fees Guideline in respect of services provided by persons registered in terms of the Architectural Profession Act, 2000 (Act No 44 of 2000), Board Notices 172 of 2021 as gazetted in Government Gazette no. 45554, 26 November 2021**, as amended or amplified upon in the Works Project Brief. These services will be paid for utilising the hourly rates tendered

Please note that for the purposes of this tender Principal Agency and Principal Consultancy is NOT to be included in Standard Services.

The Service Provider's attention is also drawn to the responsibilities of the designer of a structure in terms of the Construction Regulations, and shall comply with all requirements in this regard.

C3.2.5.3.1 Additional Services

1. Rezoning or change of use or amendments of town planning schemes.

C3.2.5.4 Project Management Services

The provision of all services (Standard and Additional/Supplementary) described in **Guideline Scope of Services and Amended Guideline Tariff of Fees for Persons Registered in terms of the Project and Construction Management Professions Act, 2000 (Act 48 of 2000), Board Notice 168 of 2019 as gazetted in Government Gazette No. 42697, 13 September 2019**, as amended or amplified upon in the Works Project Brief. These services will be paid for utilising the hourly rates tendered

C3.2.5.5 Environmental Assessment Practitioner, Environmental Control Officer and Heritage Assessment Practitioner

C3.2.5.5.1 An independent Environmental Assessment Practitioner (EAP) is required to assess the project objectively, provide advice on the implementation of relevant environmental legislation and the requirements for any Environmental Assessments, undertake such assessments (where required), obtain the required Environmental Authorisation from the Environmental Authorities (where required) and develop an Environmental Management Plan for the project. These services will be paid for utilising the hourly rates tendered.

C3.2.5.5.2 An independent Environmental Control Officer (ECO) is required to monitor objectively the implementation of relevant environmental legislation, conditions of Environmental Authorisations (EA's) and the Environmental Management Plan for the project. The ECO must be on site prior to any site establishment and must form an integral part of the project team. These services will be paid for utilising the hourly rates tendered.

C3.2.5.5.3 An independent Heritage Assessment Practitioner (HAP) is required to assess the project objectively and provide advice on the implementation of the National Heritage Resources Act and Heritage Protection Overlay zoning where this is in place. The Heritage practitioner will be required to complete any Notifications of Intent to Develop, carry out any heritage impact assessments or develop heritage statements for the project, and assist with any required applications under heritage legislation as well as with the implementation of any heritage requirements put in place by the relevant authorities. It must be noted that the heritage practitioner should be appropriately experienced/qualified in the applicable fields of heritage such as built environment, archaeology or palaeontology as required. These services will be paid for utilising the hourly rates tendered.

C3.2.5.6 Health and Safety Services

The provision of all services in respect of acting as the Employer's agent in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and relevant sections as described in the Guideline Scope of Services and Recommended Guideline Tariff of Fees for Construction Health and Safety Professionals Registered in terms of the Project and Construction Management Professions Act, 2000 (Act 48 of 2000), Board Notice 167 of 2019 as gazetted in government Gazette No. 42697, 13 September 2019. These services will be paid for utilising the hourly rates tendered.

C3.2.5.7 Landscape Architectural Services

All standard services as described in Stages 1 to 6 in the Amended Landscape Architectural Work Stages January 2011 published by the South African Council for the Lendscape Architectural Profession (available on their website www.saclap.org.za), as amended or amplified upon in the Works Project Brief. These services will be paid for utilising the hourly rates tendered.

C3.2.5.8 Fire Services

A Fire Services Specialist who is registered as an authorised person in Fire Detection, Gas Suppression and SANS 1475 certification (Fire hose reels and hydrants) with the South African Qualification and Certification Committee for the Fire Industry (SAQCC) who has three years verifiable post graduate experience in design, installation, testing and inspections of fire protection, detection, smoke extraction and suppression systems and who will be responsible for all work required for each Works Project. These services will be paid for utilising the hourly rates tendered.

C3.2.5.9 Specialist Services

Where the Employer requires specialist services from the Service Provider to comply with the Scope of Works, such services shall be provided by the Service Provider and shall be conducted on a Time and Cost basis. No additional services shall be undertaken without the approval of the Employer. Such specialist services shall include but are not limited to those listed in item 1.4 in C2.2: Schedules of Rates.

Where the Employer requires materials, equipment, testing and/or any other recoverable expenses not covered in the Scope of Work, such items will be provided by the Service Provider on a cost basis plus administration fee (refer to items 5.1 and 5.2 in C2.2: Schedules of Rates). Prior approval needs to be obtained from the Employer before these items may be procured.

C3.2.6 TYPICAL WORKS PROJECTS

The Service Provider is required to provide the professional services listed in Clause C3.2.8 to address the following Typical Works Projects (but not limited to) which are anticipated to be executed during the duration of the contract.

Typical Works projects:

1. Remainder of the Procurement Stage and Contract Administration and Construction Monitoring and Close-out Stages for Faure New Water Scheme, or
2. Transaction Advisory Services for the Private Public Partnership of Faure New Water Scheme
3. Integration of the reuse scheme to the Employer's Decision Support System during operation phase
4. Planning, Investigation, Scoping, Feasibility and Concept of Plattekloof Reuse Scheme for the City of Cape Town including Section 78/PPP studies.
5. Public and Stakeholder Engagement and Communication
6. HACCP studies on proposed reuse schemes.

7. Managing and oversight of the independent advisory panel for water reuse.

C3.2.7 USE OF REASONABLE SKILL AND CARE

The Service Providers' attention is drawn to the fact that the safety of persons and property is of paramount importance, closely followed by the minimisation of disruption and inconvenience to the local authority and public.

The Service Provider is therefore required to provide all aspects of the Service with all reasonable care, diligence and skill in accordance with generally accepted professional techniques and standards, and ensure that all legal requirements are met, and that all legal processes are adhered to.

C3.2.8 GENERAL SCOPE OF SERVICES

The general scope of services described in this section applies Work Projects.

The Service Provider may not commence with any work without the express approval from the Employer. This is of particular relevance between the different works stages. No work in subsequent works stages may therefore commence without the Employer's approval.

Please refer to the supplementary specifications included in C3.4 in the document for more details about the services and deliverables required in this contract

C3.2.8.1 Planning, Studies, Investigations and Assessments

The Service Provider shall carry out all of the studies and investigations necessary to determine a scope of work for each facility. A Preliminary report on the technical and financial feasibility of the project together with preliminary proposals in this regard shall be submitted.

This shall include any Section 78 studies of the Municipal Systems Act and Section 120 of the Municipal Finance Management Act (Private-Public Partnership) investigations.

The payment for Planning, Studies, Investigations and Assessments shall be at the tendered Time-Based fees for the professional services required.

C3.2.8.2 Normal, Standard and Building & Engineering Works Services

Where a Quantity Surveyor is not part of the team for a particular Works project, the cost estimates shall be completed by the other relevant disciplines for each Stage (as applicable) and the cost thereof shall be deemed to be included in the tendered rates for that discipline.

C3.2.8.2.1 Stage 1: Inception

The Works Project will generally have been agreed before the Works Project commences.

The Service Provider shall provide detailed associated proposal and programme to the Employer for approval.

Scope of services as detailed in the Guidelines. Any reference to an agreement in this section refers to the Works Project.

The Service Provider may be required to compile a report for the scoping Stage Gate Review and attend the Stage Gate Review session.

Ongoing public and stakeholder participation will be required during this stage of the project

C3.2.8.2.2 Stage 2: Concept and Viability

Scope of services as detailed in the Guidelines.

The Service Provider may be required to compile a report for the feasibility and/or concept design Stage Gate Review and attend the Stage Gate Review session.

The Service Provider shall provide a preliminary design for the proposed work described in the typical works project.

C3.2.8.2.3 Stage 3: Design Development

Scope of services as detailed in the Guidelines

The Service Provider shall provide those services necessary to finalise the detailed scope of work, design, specifications, detailed estimate and updated programme for the project, and shall co-ordinate the input from all members of the professional team in this regard. The Project Manager, Lead Consulting Engineer shall be responsible for ensuring that the time, cost and quality parameters are adhered to. The responsible person must be clearly stated in the Works project.

The Service Provider shall be responsible for all service enquiries, wayleave applications and obtaining the necessary authority or permission from the relevant service authorities to carry out all work in terms of this project. All applications in this respect must be carried out timeously.

The design development shall take cognisance of all design requirements as may be imposed by the local authority or any other authority whose services are impacted upon by the proposed work.

A set of documents, consisting of a scope of work, draft plans/drawings and specifications shall be submitted to the Employer for comment and approval prior to going out to tender. All plans must be thoroughly checked by the Service Provider's project leader prior to submission. On approval of the detail design drawings and council approved drawings, two sets of paper prints of each must be submitted to the Employer for signature. One set will be kept by the Employer and the other returned to the Service Provider. All other prints issued thereafter shall carry the words "Initial version signed on *(date)*" at the signature location in the title block.

A revised cost estimate shall be submitted to the Employer.

The Service Provider may be required to compile a report for the detailed design Stage Gate Review and attend the Stage Gate Review session.

C3.2.8.2.4 Stage 4: Documentation and Procurement

Scope of services as detailed in the Guidelines.

The Service Provider shall provide those services necessary for the preparation of procurement documentation, advertising of tenders, and the evaluation of tenders received. The Service Provider shall confirm the Employer's procurement (Supply Chain Management) policies and procedures prior to the preparation of any procurement documentation.

The construction contract document shall be prepared in the Construction Industry Development Board's (CIDB) or non-CIDB format (as applicable). The Service Provider shall confirm with the Employer which Conditions of Contract (GCC, FIDIC, JBCC, National Treasury, etc.) will be applicable to each Works Project. The Service Provider shall liaise with the Employer during the preparation of the contract document to determine any other specific requirements that the Employer may have in this regard.

Specifications shall include, inter alia, Health and Safety Specifications, and an Environmental Management Plan.

The Service Provider should note that it is the Employer's preference that all payment items must be measured out in the Bills of Quantities, as opposed to the use of provisional sums or prime cost items. Should provisionel sums or prime cost items of greater value than R300 000 (incl. VAT) be included in the Bills of Quantities, the Service Provider will be expected to follow an open competitive process in respect of these items, on behalf of the contractor. This will include the preparation of a tender document, advertising and receiving tenders, and evaluating same on behalf of the contractor, at no extra cost to the Employer.

A draft contract document shall be submitted to the Employer for scrutiny at least three weeks prior to the Bid Specification Committee meeting taking place. The Service Provider shall attend Bid Specification Committee meetings (as required) prior to the finalisation of the contract document and the advertising of tenders. All comments of the committee shall be incorporated into the final contract documents.

Once the contract document has been finalised, the Service Provider shall supply the Employer with an electronic copy of the documents and drawings.

The Service Provider shall be responsible for providing the Employer with the required number of copies of plans and tender documents for tender purposes (both hard copy and on compact disc).

The Service Provider shall, during the tender period, attend and preside over a tender clarification meeting, and raspond to all queries received during this period.

Once tenders close, the Service Provider shall evaluate all valid tenders received and shall prepare a tender evaluation report (which shall include a recommendation) for consideration by the Employer's Bid Evaluation Committee (BEC). The Service Provider shall present his evaluation to the BEC, respond to any queries the committee may raise and follow up on any issues requiring the Service Provider's attention/action.

Once approved by the Employer, the Service Provider shall facilitate the signing up of the construction contract, in consultation with the Employer.

Working drawings, including reinforcement drawings and Bending Schedules, shall be finalised as part of Stage 4 unless otherwise agreed with the Employer.

C3.2.8.2.5 Stage 5: Contract Administration and Inspection

Scope of services as detailed in the Guidelines.

The Service Provider shall provide professional services to manage and administer a construction contract, including site supervision and monitoring and the necessary documentation to facilitate effective execution of the works, as well as co-ordination of the inspection of the works by the other members of the professional team, as and when necessary. The service to be provided shall include, where necessary detailed drawings prepared by the contractor for manufacture and installation.

The Service Provider shall prepare any further plans, designs and drawings (over and above the tender drawings), which may be necessary for the execution of the works. The preparation of any shop drawings required for manufacture and installation, or the detailed checking of such, where prepared and submitted by the construction contractor, shall form part of the services to be provided by the Service Provider.

The Service Provider is to ensure, insofar as normal services for each discipline required, that the construction works are carried out in strict compliance with the specifications and details as included in the construction contract documents. The full financial and contractual management of the project is required to be performed. The Service Provider is to ensure that the construction is performed with due diligence and that all project milestones are achieved.

The Service Provider is required to submit monthly contract progress reports to the Employer detailing progress, disruptions, delays, cost status, and any other factors that may affect the successful completion of the project. Management of the highest standards is required from the Service Provider. It is also required that regular site meetings be held by the Service Provider.

Services required during the defects liability period shall include those with regard to all maintenance work specified.

The Service Provider must take note of the circumstances that requires specific approval of the Employer before executing any of his functions or duties as listed in the Contract Data of this contract and ensure that these are included into the construction contract.

The Service Provider may be required to compile a report for the implementation Stage Gate Review and attend the Stage Gate Review session.

C3.2.8.2.6 Stage 6: Close-Out

Scope of services as detailed in the Guidelines

The Service Provider shall complete the project close-out as described in the guideline scope of services.

As-built plans/drawings shall be submitted to the Employer in electronic format (preferably .dwg, otherwise .dxf) as well as one complete set of paper prints.

The Service Provider shall also compile a project close-out report for submission to the Employer, which includes, *inter alia*, technical details of the project, the project team, project cost, completion dates, construction details and design changes, delays and the reasons thereof, problems encountered and the solution thereof, conclusions and recommendations.

All programs, calculations, computations, etc. developed specifically for this project will be owned by the City of Cape Town and will supplied to City of Cape Town at the close-out stage.

The Service Provider may be required to compile a report for the close-out Stage Gate Review and attend the Stage Gate Review session

C3.2.8.3 Additional Services

C3.2.8.3.1 Stage Gates

The Service Provider shall assist the Employer's Project Manager with Stage Gate documentation and presentations related to the Works project if required. The documentation required for the various Stage Gates from Scoping to Close-out is provided in the City's Stage Gate Review Guideline (available to review upon request). Payment for this service will be time-based.

C3.2.8.3.2 Public/Stekeholder Engagement

The objective is to raise awareness and educate the public and key stakeholders on water reuse, to manage and address public perceptions, provide timely information and ensure transparency at all stages of the project. The service provider shall be responsible for stakeholder identification and mapping, communication strategy and media documentation, key messaging and content development, public and key stakeholder engagement and outreach activities, digital and social media management, community feedback and consultation and media relations and public relations. All deliverables must be approved by the Employer's communication team. Payment for this service will be time-based.

C3.2.8.3.3 Service Enquiries/Wayleave Applications

The Service Provider shall be responsible for all initial service enquiries/wayleave applications from the various service authorities, the requirements of whom shall be carried through into the designs and tender documentation as necessary. Payment for this service will be time-based.

C3.2.8.3.4 Preferential Procurement and Targeted Participation

The Service Provider shall provide all services related to preferential procurement and targeted participation in respect of the construction contract (as set out in the Employer's example CIDB documents for Civil (or other) construction contracts including but not limited to:

a) the incorporation into the contract documentation of:
   (i) preferential procurement requirements in respect of B-BBEE and, if applicable, local production and content, and
   (ii) targeted participation goals in respect of targeted labour and/or resources.

b) the monitoring and verification of compliance with (i) and (ii) in (a) above during the construction contract (including the receiving and collation of documentary evidence submitted by the contractor in this regard).

C3.2.8.3.5 Construction Monitoring

The level of construction monitoring required, if any, will be stated in the Works Project Brief, as defined in the Schedule of Rates applies to all full time construction monitoring services.

The Service Provider acts as the Employer's Representative in terms of the Occupational Health and Safety Act.

It is noted that some critical operations will have to take place at night. The Service Provider's rate for construction monitoring shall include all overtime costs in this regard.

The Service Provider is required to identify the Lead/Chief Engineer's Representative (Lead/Chief Resident Engineer) at the time of tender, and will require the Employers approval to replace such individuals, which shall not be given unless it can be shown that the replacement has the same, or better, level of qualification and experience.

The Service Provider shall, when called upon to do so by the Employer, submit a fully motivated proposal for such construction monitoring to the Employer for approval.

Service Providers may, in terms of the brief, submit an alternative proposal for providing such services for the Employer's approval prior to site supervision takeover. The Employer has the sole right to determine if the construction monitoring team will provide sufficient personnel for the construction period.

The proposal shall name the individual(s) proposed, provide details of their experience in relation to the particular Works project, the anticipated duration of their involvement and the monthly cost in respect thereof. The cost shall include all benefits, overhead charges and profit as well as any overtime costs, if applicable. Construction monitoring staff will be paid over the year end break, if applicable.

The Service Provider's proposal may be accepted or rejected at the sole discretion of the Employer.

C3.2.8.3.6 Act as the Employer's agent in terms of the Occupational Health and Safety Act

The Service Provider, in submitting a tender for this professional services contract, shall be deemed to have acknowledged acceptance of the appointment as the Employer's Construction Health and Safety Agent in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and the Construction Regulations, 2014, should the Employer accept the tender. The Service Provider shall, as such, execute all of the duties of the client as contemplated in the Construction Regulations.

The Service Provider's attention is also drawn to the responsibilities of the designer of a structure in terms of the Construction Regulations, and shall comply with all requirements in this regard.

The Service Provider shall, apart from conducting his own activities in compliance with the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and Construction Regulations, 2014, ensure that any sub-consultants/contractors employed by the Service Provider also comply with the requirements of the Act and Regulations. The Service Provider shall enter into an agreement with the Employer in this regard before the commencement of any work related to this contract (Form C1.3, Part C1, refers).

C3.2.8.3.7 Environmental Control Officer

Where required for a specific Works project, the Service Provider shall provide from within its own organisation or, if necessary, appoint as a sub-consultant, a suitably experienced Environmental Control Officer (ECO) whose responsibilities shall be as follows:

a) to prepare a project specific Construction Environmental Management Programme (specification) (C-EMP) for inclusion into the construction tender/contract documents.
b) to assist the Employer's Agent/Engineer in ensuring that any necessary permits are obtained.
c) to convey the contents of the C-EMP to the contractor's site team, and discuss the contents in detail with the contractor, as well as to conduct induction and environmental awareness training sessions to the contractor's and sub-contractor's workforces, as and when necessary.
d) to monitor and verify that the C-EMP is adhered to at all times, and to inform the Employer's Agent/Engineer/Principal Agent if the specifications are not followed.
e) to review construction method statements for approval by the Employer's Agent/Engineer/Principal Agent.
f) to assist the Employer's Agent/Engineer and contractor in finding environmentally responsible solutions to problems.
g) to provide a report on environmental compliance issues (with photographic evidence, if applicable) at the monthly site meetings or any other meetings that may be called regarding environmental matters.
h) to ensure that all activities/incidents concerning the environment are recorded in the site records, to monitor and review such records and advise the Employer's Agent/Engineer/Principal Agent of any action necessary.
i) to inspect the site and surrounding areas with regard to compliance with the C-EMP.
j) to advise the Employer's Agent/Engineer on the imposition of penalties or fines specified in the C-EMP, or the removal of person(s) and/or equipment not complying with the specifications.

The frequency of site visits/inspections shall be as and when necessary, but not less than at monthly intervals.

C3.2.8.4 Transaction Advisory Services

The provision of transaction advisory services is to assist with the preparation and implementation of a proposed Public-Private Partnership (PPP), should the Employer decide to implement the projects described in Clause via a PPP. The Transaction Advisory services required are as per the National Treasury's Municipal Service Delivery and PPP Guideline (NT PPP Guidelines), aligning with the legal framework provided by the Municipal Finance Management Act (MFMA) and the Municipal Systems Act (MSA).

The Transaction Advisor's role is to provide technical (including social and environmental aspects), financial, legal and procurement services, including management of the bidding process and PPP contract negotiation through to financial close, as well as assist with the contract administration of PPP. The advisor will ensure that the transaction is aligned with relevant statutory and regulat requirements.

The services shall cover the different stages of project preparation and implementation as per the NT PPP Guideline, including project due diligence, carrying out detailed project financial modelling to support the commercial and financial structuring, managing the PPP bidding process, including bid document preparation, assisting in contract award and providing advisory services until the financial close of the project.

The Service Provider is expected to work closely with National Treasury's GTAC PPP unit and any other City Departments as required.

Payment for this service will be time-based.

C3.2.8.4.1 Extent of Work and Deliverables

The scope of work and deliverables (not limited to) are summarised below, detail deliverables of each stage is given in the National Treasury's Municipal Service Delivery and PPP Guideline.

1. **Feasibility Study**

   a) Assess the viability of the project via a needs analysis, technical options analysis and service delivery analysis on the project. Report on findings to the Employer and relevant authorities in terms of the MSA and MFMA.
   b) Conduct a due diligence on the project and submit a report.
   c) Assess project risks, proposing an effective risk allocation model.
   d) Prepare a Value for Money (VFM) analysis to determine whether the PPP is the optimal mechanism for service delivery in accordance with NT PPP guidelines.
   e) Prepare a proposed procurement plan for the procurement of an external option.
   f) Advertise the Feasibility report for public comment through a Public Participation Process.
   g) Submit the Feasibility report to the relevant authorities for views and comments.
   h) Prepare reports for council submissions.

2. **Procurement**

   a) Prepare detailed procurement documentation, including PPP agreement, Request for Qualification (RFQ) and Request for Proposal (RFP), ensuring compliance with MFMA and Municipal Supply Chain Management Regulations.
   b) Develop bid evaluation criteria and assist in the bid evaluation process to identify a preferred bidder, ensuring transparency and competitiveness.
   c) Prepare Value assessment report.
   d) Provide technical assistance during bidder negotiations, ensuring the municipality's interests and regulatory compliance are prioritized.
   e) Submission of documents and reports to the relevant authorities
   f) Prepare reports for council submissions.
   g) Contract Management
   h) Develop a detailed contract management and performance monitoring plan, ensuring accountability, quality service delivery, and alignment with municipal priorities.
   i) Advise on mechanisms for project oversight, performance evaluation, and contract compliance over the PPP lifecycle.
   j) Develop and propose strategies to address potential disputes and non-compliance issues that may arise.
   k) Close-out reports

C3.2.8.5 Training of Personnel

The Employer may require that the Service Provider provide training and transfer knowledge to one or more of the Employer's staff, described as a Trainee for the purposes of this Contract.

The preferred situation will be that the Trainee is incorporated into the Service Provider's team for a particular Works Project. The Trainee should be given specific design tasks to complete under the supervision of an experienced and relevant engineer, referred to as the Supervisor.

The Supervisor will be required to:

- Guide and instruct the Trainee in the execution of the tasks
- Monitor the Trainee's progress
- Provide monthly feedback on the Trainee's progress

Remuneration will be based on contract rates for the effective time spent by the personnel in the supervision and training of the Trainee

C3.2.8.6 Other Requirements

Where the Employer requires materials, equipment, testing and/or any other recoverable expenses not specifically covered in the framework scope, such items will be provided by the Service Provider on a cost basis plus administration fee as per the Schedule of Rates. Prior approval needs to be obtained from the Employer before these items may be procured.

C3.2.8.7 Discontinuity of services

Whenever discontinuity occurs within, or between, service stages the Service Provider shall review the work undertaken previously. The Service Provider shall furthermore take account of any other information and data acquired from its own approved investigations. Should the Service Provider be required to perform rework of any prior work, the Service Provider shall take full responsibility for that portion.

The original Service Provider will be afforded the opportunity to review the final tender documentation (at their cost) compiled by the Service Provider, in the event certain portions have been re-designed. This is done in recognition of the original Service Providers ongoing liability for the original design and ensures they can assess whether the original design and specifications remain appropriate for the prevailing circumstances and/or conditions. In addition, the original Service Provider will be provided the opportunity to inspect the construction works periodically (at their cost) to ensure their professional obligations are not being compromised. Any site visits by the original Service Provider shall be in the presence of the Service Provider appointed for construction monitoring. The frequency of any such inspections should be appropriate to the scope of works.

The original Service Provider will be afforded the opportunity to review all construction monitoring documentation and the appointed Service Provider shall provide such without further compensation. This is done in recognition of the original Service Provider's ongoing liability for the original design.

C3.2.9 TIME FRAMES/MILESTONES

Milestones set by the Employer typically revolve around budget cycles and the need to spend the budget in any given financial year. The important milestones are therefore the financial year ends (30 June each year) and the Service Provider will be expected to establish a project programme, in consultation with the Employer that takes cognisance of the budgets available and the budget cycles. Once agreed, the Service Provider is expected to ensure that the programme is adhered to, and to intervene timeously if necessary.

The Service Provider shall submit a revised programme as and when required by the Employer.

C3.2.10 REPORTING REQUIREMENTS

In addition to the reports required as part of the scope of services, the Service Provider may be required to prepare, or contribute to, ad hoc reports (council reports) on specific aspects of the project.

Furthermore, the Service Provider shall submit monthly cost reports to the Employer showing expenditure in respect of both the Service Provider's appointment and the construction contractor's contract; together with the anticipated spend per financial year of the life cycle of the project.

Reports will be submitted within the timeframes specified in the Works project.

C3.2.11 APPLICABLE LAW, POLICIES, PROCEDURES STANDARDS

The Service Provider shall ensure that all applicable national and international laws and standards are taken in the execution of his/her own work and that of his/her sub-consultants in the design and compilation of specifications for this project. International standards should only be used where no national standards exist, or where it is the norm to use or refer to international standards.

The Service Provider shall comply with all requirements of SANS 10400 – The National Building Regulations including the requirements of oversight, inspection and approval of designs and works by the relevant competent persons as defined in the regulations.

The latest editions of the Municipal Finance Management Act and all City of Cape Town Supply Chain Management Policies and corresponding Standard Operating Procedures will apply. Abuse of the supply chain management system is not permitted and may result in cancellation of the contract, restriction of the Service Provider, and/or the exercise by the Employer of any other remedies available to it as described in the SCM Policy

C3.2.12 APPROVALS

The Service Provider shall be responsible for obtaining the following approvals:

a) Approval of the implementation programme from the Employer,
b) Approval of the conceptual and preliminary designs from the Employer,
c) Approval of the project from Heritage Western Cape (*if required*),
d) Approval (authorisation) of the project from the Department of Environmental Affairs and Development Planning (*if required*),
e) Approval of the detail design, drawings and contract document from the Employer,
f) Wayleave approval from all service authorities,
g) Approval of the Engineers Representative from the Employer,
h) In respect of time based services, approval of the allocation of staff from the Employer,
i) Approval for the employment of specialist sub-consultants from the Employer,
j) Approval of plans from Department of Planning and Building Development within City of Cape Town in accordance with the National Building Regulations and Building Standards Act (Act 103 of 1977) and all necessary certifications,
k) Approval for the employment of specialist sub-consultants from the Employer,
l) Approval of the accommodation of traffic plans from the Traffic Manager.
m) Approval of the Section 78 (of the MSA) reports.

Notwithstanding any approval received from the Employer, the Service Provider shall remain responsible for all work carried out by the Service Provider and its sub-consultants in terms of this contract.

C3.2.13 PROCUREMENT

C3.2.13.1 Preferential Procurement

The Works shall be executed in accordance with the conditions associated with the granting of preferences detailed in the **Preference Schedule.**

Financial penalties, as described in the **Preference Schedule**, shall be applied in the event that the Service Provider is found to have breached and of the conditions contained in the **Preference Schedule** (unless proven to be beyond the control of the Service Provider).

Notwithstanding the application of penalties, the Service Provider's attention is drawn to other sanctions that may be applied by the Employer (listed in the **Preference Schedule**) with due consideration to the circumstances.

C3.2.13.2 Monitoring the use of sub-contractors/sub-consultants and joint ventures

Notwithstanding the restriction on sub-contracting as described on the **Preference Schedule**, it is recognised that sub-contracting is an integral part of the built environment, which the conditions of contract make provision for.

In order, however, to comply with the requirements of the **Preference Schedule**, the Service Provider shall submit to the Employer on a monthly basis, a **B-BBEE Sub-contract Expenditure Report**. The format of this report is provided in Annex 2 attached.

The Service Provider shall submit to the Employer documentary evidence in accordance with the applicable codes of good practise of the B-BBEE status level of every sub-contractor employed by the Service Provider. Until such time as documentary evidence as described above has been submitted to the Employer, a sub-contractor shall be deemed to be a non-compliant contributor.

The Service Provider shall furthermore, on the written request of the Employer , provide documentary evidence showing the value of work sub-contracted to any or all of the sub-contractors employed by the Service Provider.

C3.2.13.3 Sub-contracting procedures

Any specialist study or investigation required may only be carried out with the approval of the Employer and shall be paid for as a recoverable expense (disbursement).

The Employer together with the Tenderer shall evaluate the tenders received in accordance with the provisions of the Standard Conditions of Tender contained in Annex C of Standard for Uniformity in Construction Procurement. The evaluation panel shall comprise equal representatives from the Employer and from the Tenderer.

The Tenderer shall without delay enter into contract with the successful tendering subcontractor based on their accepted tender submission. The Tenderer shall remain responsible for providing the subcontracted portion of the works as if the work had not been subcontracted.

Where subcontractors ere elso key personnel, their contract must be for the duration of this contract and any changes requires permission of Employer.

C3.2.13.4 Forms for contract administration

The **B-BBEE Sub-contract Expenditure Report** is required for monitoring the Service Provider's compliance with the sub-contracting conditions of the **Preference Schedule.**

The Joint Venture Expenditure Report is required for monitoring the joint venture's compliance with the percentage contributions of the JV partners as tendered, where the joint venture has been awarded preference points in respect of its consolidated B-BBEE scorecard.

C3.2.14 FORMAT OF COMMUNICATION

Service Provider submits requests for formal approval, claims, invoices and notifications in electronic format, followed by original hard copy for record.

Electronic communications are subject to the provisions of the Electronic Communications and Transactions Act, 2002. For the purposes of this contract, Electronic communications are deemed to be received when the sender receives a delivery receipt or reply message from the recipient or if the recipient has acted on the communication received.

The Service Provider sends to the Employer, technical drawings and information models in Portable Document Format (PDF) plus any applicable working document formats and configuration file formats including but not limited to; .rvt, .ifc, .nwd, .dwg, .ctb.

The Service Provider provides hard copies for drawings, contracts & reports when instructed to do so by the Employer's Representative or Service Manager. Compensation for costs associated with hardcopy production is in accordance with the Schedule of Rates

C3.2.15 KEY PERSONELL

The Service Provider shall maintain the involvement of the following key and additional personnel as the exigencies of this contract require:

a) A **Project Engineer/Leader** who is registered as a Professional Engineer (PR Eng.) **(only)** with the Engineering Council of South Africa (ECSA), who has at least **twenty (20) years'** verifiable post graduate experience in large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. Furthermore he/she must have experience in the conceptualisation and detail design of a water reuse/raclamation plant and who will be responsible for all work carried out in terms of the tender. The Project Leader must have verifiable experience as the "Employers Agent" in terms of the General Conditions of Contract for Construction Works, 1st Edition 2015 or "Engineer" in terms of FIDIC Suite of Conditions of Contract, 1999 or later. He/she must have a minimum of **ten (10) years** verifiable post graduate experience including a combination of project management and/or construction monitoring and/or contract management in concrete structures with a mechanical and electrical interface. **A list of projects on which the Project Leader has acted as the Employer's Agent (and/or Engineer must be clearly ascertainable from the *curriculum vitae* submitted (may not be subcontracted).**

b) A **Process Design Engineer** who is:

   i. A **Civil Engineer**, professionally registered as an Engineer (PR Eng.) with the Engineering Council of South Africa (ECSA) , who has at least **10 (ten) years'** verifiable postgraduate experience in the analyses and design of Water Treatment Plants and Wastewater Treatment Plants and a Postgraduate qualification in Water and Wastewater Engineering or

   ii. A **Chemical Engineer**, professionally registered as an Engineer (PR Eng.) with the Engineering Council of South Africa (ECSA) , who has at least **10 (ten) years'** verifieble postgraduate experience in the analyses and design of Water Treatment Plants and Wastewater Treatment Plants.

c) A **Civil Engineer** who is registered as a **Professional Civil Engineer (PR Eng.)** with the Engineering Council of South Africa (ECSA), who has least **fifteen (15) years** verifiable post

graduate experience in the analyses, design and construction of Water and/or Wastewater Treatment Plants **(may not be subcontracted)**.

e) **Structural Engineer** who is registered as a **Professional Structural Engineer (PR Eng.)** with the Engineering Council of South Africa (ECSA) and capable of acting as the Approved Competent Person in terms of regulation A19 of the National Building Regulations and Building Standards Act, 1977, who has at least **ten (10) years** verifiable post graduate experiences in the analyses, design and construction of structures/buildings and water retaining structures. **(may not be subcontracted)**.

f) **Chemical Engineer** who is registered as a **Professional Chemical Engineer (PR Eng.)** with the Engineering Council of South Africa (ECSA), who has at least **ten (10) years** verifiable post graduate experiences in the analyses, design and construction of Water and/or Wastewater Treatment Plants **(may not be subcontracted)**..

g) **Mechanical Engineer** who is who is registered as a **Professional Mechanical Engineer (PR Eng.)** with the Engineering Council of South Africa (ECSA), who has at least **ten (10) years** verifiable post graduate experience in the analysis, design and construction of the mechanical components in Water and/or Wastewater Treatment Plants **(may not be subcontracted)**..

h) **Electrical Engineer** who is registered as a **Professional Electrical Engineer (PR Eng.)** with the Engineering Council of South Africa (ECSA), who has at least **ten (10) years** verifiable post graduate experience in the analysis, design and construction of the electrical components in Water and/or Wastewater Treatment Plants **(may not be subcontracted)**..

i) **Electronic Engineer** who is registered as a **Professional Electronic Engineer (PR Eng.)** with the Engineering Council of South Africa (ECSA), who has at least **ten (10) years** electronics engineering experience, knowledge and experience of: computer networks and their configuration, communication systems technology, data management and data security, infrastructure security, firewalls and intrusion detection systems, programming and scripting languages – and specifically experience in SCADA (Supervisory Control And Data Acquisition) or Industrial, infrastructure based processes Control Systems **(may not be subcontracted)**.

j) A **Chief/Lead Resident Engineer** who is registered as a **Professional Engineer (PR Eng) or Professional Technologist (PR Tech Eng)** who has at least **twenty (20) years** verifiable post graduate experience in construction monitoring and site supervision of contract work with a civil and mechanical/electrical interface, reinforced concrete, water retaining structures and pipelines. **(may be sub-contracted)**.

k) **Quantity Surveyor** who is qualified and professionally registerad **Quantity Surveyor as a PrQS** and who has a minimum of **ten (10) years** verifiable post graduate experience in contracts with a civil, structural and mechanical/electrical interface and have been a quantity surveyor on construction projects of R50 million or greater **(may be sub-contracted).**

l) **A Professional Architect** who is registered as a **Professional Architect (PrArch) or Professional Senior Architectural Technologist (PR SArch T)** with the South African Council for the Architectural Profession (SACAP), with at least **eight (8) years'** verifiable post graduate experience and who has provided architectural input into Water and Wastewater Treatment Plants and Municipal Depots **(may be sub-contracted).**

m) A **Transaction Advisory/ PPP Specialist** with a Bachelor's degree (at NQL Level 7 or higher) in Commerce, Engineering or Law. He/she must have at least **ten (10) years** verifiable experience in providing advisory services in infrastructure project corporate and finance transactions, and in the facilitation and function of public-private partnerships (PPPs). Furthermore he/she must demonstrate experience in and understanding of strategic transaction advisory in the local government context with regards to the provision of basic services. **(may be sub-contracted)**

n) A **Local Government Advisor** with a Bachelor's degree (at NQL Level 7 or higher) in Public Administration, or in Arts, Business or Law majoring in Public Administration and/or Municipal Law. He/she must have at least **ten (10) years** verifiable experience and understanding of broader local government governance regulation and legislation in particular; the Section 33 process of the Municipal Finance Management Act, Act 56 of 2003 (MFMA) and Section 78

process of the Municipal Systems Act, Act 32 of 2000 (MSA). As well as experience in transaction advisory services of Public Private Partnerships, municipal performance management and contract management. **(may be sub-contracted)**

o) A **Financial Advisor** with a Bachelor's degree (at NQL Level 7 or higher) in Finance, Commerce, Economics, Actuarial Science, or in Arts, Science, Management majoring in economics and/or financial management. The Financial Advisor must have at least **ten (10) years** verifiable experience in leading a financial team in commercial projects, financial modelling with the capacity to interrogate the financial models, Budget analysis and affordability solutions, exposure to negations on commercial and financial matters, packaging funding requirements for projects, financial and investment analysis, risk identification and mitigation, and procurement and implementation of public private partnerships, Design, Build, Finance, Operate (DBFO) or similar projects. **(may be sub-contracted)**

p) A **Legal Advisor** with a Bachelor's degree (NQF level 7 or higher) in Law (LLB) or Commerce with Law (BCom Law) or in Business or Arts majoring in commercial law and contracts law. The Legal Advisor must have at least **ten (10) years** verifiable experience in legal, institutional, governance, regulatory and transaction advisory services and understanding of broad local government governance matters and legislation, leading a legal team, performing legal quality assurance/ quality control on all bid documents and reports, preparing and draft PPP agreements and other contractual agreements, negotiations of legal aspects of the transaction, providing advisory services in drafting, negotiating and managing commercial agreements between government and the private sector or a mix of Design, Build, Finance, Operate (DBFO) projects. **(may be sub-contracted)**

q) A **B-BBEE and Socio-Economic Specialist** with a Bachelor's degree (NQF level 7 or higher) in Law (LLB), Commerce with Law (BCom Law), or in Commerce, Economics or Socio-Economics. He/she must have at least **five (5) years** verifiable experience providing advisory services surrounding the legal and socio-economics systems that underpin the sourcing and purchasing of goods and services from SMMEs and businesses owned by historically disadvantaged individuals which are govern by B-BBEE Act No.53 of 2003, B-BBEE Amended Codes of Good Practice and Amended Sector Codes (specifically for the Construction Sector), MFMA Regulations (specifically the Supply Chain Management and Public Private Partnerships), Preferential Procurement Policy Framework Act, Public sector procurement and preferential procurement policies and processes, best practice by public and private sector entities in socio-economic development. **(may be sub-contracted).**

r) An **Infrastructure Asset Management Specialist** with a Bachelor's degree (NQL Lever 7 or Higher) in Engineering and Finance, Commerce, Economics, or Actuarial Science. He/she must have at least **five (5) years** verifiable experience and broader understanding of economics, financial and legal aspects of infrastructure projects within the local government environment and provide support to the lead financial specialist **(may be sub-contracted).**

s) An **Engineering Management and Financial Bridging Specialist** with a Bachelor's degree (NQF level 7 or higher) in Engineering with postgraduate financial specialization or a Financial Modelling & Valuation Analyst type certification. He/she must have at least **five (5) years** verifiable experience end broader understanding Public Private Partnerships (PPP) implementation, including financial and commercial background to bridge the technical aspects into the value assessment for the project **(may be sub-contracted).**

Key personnel will be expected to operate out of the local office, as the exigencies of this project require.

Should it become necessary to replace any of the key personnel listed at the time of tender during the course of this contract, they may only be replaced by individuals with similar or better qualifications and experience, who satisfy the minimum requirements and then only with the written approval of the Employer.

C3.2.16 MEETINGS

The specific requirement, frequency, type and number of meetings for Works Project contracts is provided by the Employer in the Works Project brief.

C3.2.16.1 Management Meetings

During the initial stages of projects (Planning, Studies, Investigations and Assessments; Inception; Concept and Viability and Design Development) the Service Provider will be expected to attend monthly management meetings with the Employer's project management team (PMT), convened for the purpose of managing these projects. The Service Provider will present its proposals at these meetings, and take direction from the PMT in this regard.

C3.2.16.2 Community/Stakeholder Meetings

The Service Provider will also be expected to contribute to and attend community/stakeholder meetings, presenting proposals at these forums, and taking cognisance of input from the various interested and affected parties in the conceptual and detail design development, where possible. It is anticipated that it will be necessary to continue with community/stakeholder participation through the construction period, including to respond to any individual queries/concerns that may be raised.

C3.2.16.3 Supply Chain Management (SCM) Committee Meetings

During the course of the Documentation and Procurement stage, the Service Provider shall attend and participate in the SCM Bid Specification and Bid Evaluation Committee meetings in order to present the contract document and tender evaluation report to the Employer.

C3.2.16.4 Site/Technical Meetings

During the Contract Administration and Inspection stage of these projects, the Service Provider shall convene and run monthly site meetings at which the Employer and contractor will be present, as well as any technical meetings with the contractor as may be required to ensure the successful implementation of these projects.

C3.2.16.5 Ad-hoc Meetings

The Service Provider will be expected to attend ad-hoc meetings from time to time, with the Employer, stakeholder groups, or service or other authorities, in order to address specific issues as and when the need arises.

C3.2.16.6 General

The Service Provider shall be represented at all meetings by at least one of the key personnel, preferably the project leader. The Service Provider shall provide secretarial services (for record keeping purposes) at all management, site/technical, and ad-hoc meetings.

All charges in respect of traveling to and attendance of meetings, site assessments, etc. and the provision of secretarial services shall be included in the tendered basic fee in the Schedules of Rates.

C3.2.17 CLAIMS FOR PAYMENT

The Service Provider may submit interim claims for payment against Works Projects on a monthly basis after having agreed such payment with the Employer. The day of submission to be specified in the Work Project Brief. The application for payment includes the following information:

- Tax invoice including purchase order number (only after such has been agreed to by the Employer);
- Resources and time utilised for the payment period (time sheets);
- Reference to deliverables provided;
- Updeted cash flow forecast based upon actual progress; and;
- Original invoices for cost reimbursement items.

Period for payment commences only once all of the required information as listed above is received. Payment will be effected within 30 days of the date on the tax invoice.

The Service Provider shall provide a tax invoice (VAT invoice) which shall be included with each account delivered to the Employer. Failure by the Service Provider to provide a tax invoice (VAT invoice) timeously may delay payment by the Employer and no interest shall accrue.

C3.2.18 QUALITY CONTROL

The Service Provider maintains and implements an internal quality control system for the provision of services and deliverables in accordance with the ISO 9001:2015 standard.

C3.2.19 RETENTION OF DOCUMENTS

The Service Provider retains copies of documentation in all of the following formats:

- Un-editable electronic format such as PDF and;
- Editable working documents (e.g. .dwg, .rvt, .docx, .xlsx, .mpp)

When requested to do so by the Employer within the period of retention, the Service Provider submits any documents retained in terms of clause 13.9 of the Contract Data to the Employer within 7 days.

C3.2.20 PROGRAMME REQUIREMENTS

The Service Provider provides the programme in Microsoft Project Format (.mpp), Portable Document Format (PDF) and hard copy unless otherwise specified in the Works Project scope.

C3.2.21 EMPLOYER'S RIGHT TO RECOVER COSTS

The Employer reserves the right to recover, by way of a deduction from any amount due to the Service Provider, any additional cost which the Employer incurs arising out of non-performance/negligence of the Service Provider.

C3.2.22 INTELLECTUAL PROPERTY RIGHTSAND CONFIDENTIALITY

Any intellectual property (including but not limited to source documents, designs, maps, drawings, reports, statistics, recordings, photography, computer software, electronic documents, etc.) that may result from the project will be the sole property of the City of Cape Town.

In alignment with the above, any information arising from or within a project will be treated as confidential and no information is to be divulged, provided to or mentioned to persons or parties not involved in the project except where permission is granted in writing for that specific purpose.

C3.3 WORKS PROJECT SCOPE

C3.3.1 GENERAL

The Works Project scope is the relevant sections from the framework scope in addition to the Project specific details as described in the Works Project Brief.

All references to Service Provider in the framework scope means the Consultant in the Works Project.

C3.3.2 WORKS PROJECT BRIEF TEMPLATE

The following sections may be included in the Works Project scope and is prepared specifically for each Works Project with reference to the framework scope:

Project Title
(Spacific title related to the scope of the works project)

Description of the service
(Add specific activities or tasks and deliverables. Define project stages and skills required for the service.)

Existing information
(List existing information relevant to the service and add as appendices)

Specifications and standards
(Add list of relevant specifications and standards applicable to the service)

Project team and interfaces – Others
(Add list other organisations involved in the Project and describe interfaces, define roles and contact persons. Add services matrix or Project organogram if necessary. Define Consultant's responsibility in liaison with third parties, whether via the Employer or direct liaison)

Sequence and timing
(Add any requirements and constraints on the sequence and timing of the service and key milestone dates.)

Timing of information and other things provided by the Employer and Others
(Add the order and timing of when information and other things are provided by the Employer and Others.)

Completion definition
(Add specific definition for Work to be done by the Completion Date, if required. By default, all work which the Scope states should be done by the Completion Date. State which parts of the service remain incomplete by the Completion Date)

Sectional Completion definition
(Add specific information if applicable)

C3.4 SUPPLEMENTARY SPECIFICATIONS

C3.4.1 GENERAL

The specifications contained in this part of the document supplements and expands upon section C3.2 of this document.

C3.4.2 SERVICES AND DELIVERABLES

The content stated below are indicative of the services and associated deliverables that may be required by the Employer for Works Projects issued under this contract. The content is not intended to be an exhaustive list but rather to enable easier works brief determination and Works Project facilitation.

Service providers should take note that any services not expressly stated or inferred herein must be rendered based upon this time based contract.

The stages referenced herein are those as defined and expanded upon in the guideline for fees and services from the relevant built environment professional bodies.

Stage 1 – Inception

The tables below are indicative, but not exhaustive, of typical services and deliverables that may be required by the Employer within Works Projects. It should also be noted that any other services and deliverables can be added as required for any specific Works Project.

Service
Assist in developing a clear project brief for construction
Attend project initiation meetings
Advise on the rights, constraints, consents and approvals
Define the construction services and scope of work required
Inspect the site and advise on the necessary surveys, analyses, tests and site or other investigations where such information will be required for Stage 2 including the availability and location of DEPARTMENT and services
Determine the availability of data, drawings and plans relating to the project.
Advise on criteria specific to own scope of work that could influence the project life cycle cost significantly.
Advise on economic factors affecting the project and appropriate financial design criteria
Facilitate a schedule of the required consents and approvals
Provide necessary information within the agreed scope of the project to other consultants involved.
Prepare, co-ordinate and monitor a project initiation programme.
Participate in the Employer's Stage Gate Reviews
Facilitate client approval of all Stage 1 documentation

Deliverable
Project brief
Report on project, site and functional requirements
Schedule of required surveys, tests, analyses, site and other investigations.
Schedule of consents and approvals and related lead times.
Records of all meetings.
Project Initiation Programme
Deliverables required by the Employer's Stage Gate Reviews
Approval by the client to proceed to Stage 2

Stage 2 – Concept and Viability

The tables below are indicative, but not exhaustive, of typical services and deliverables that may be required by the Employer within Works Projects. It should also be noted that any other services and deliverables can be added as required for any specific Works Project.

Service
Agree documentation programme with client and other consultants involved.
Communicate the project brief to the other consultants and monitor the development of the concept and viability
Attend design and consultants' meetings
Establish the concept and project design criteria
Advise the client regarding further surveys, analyses, tests and investigations which may be required
Establish regulatory authorities' requirements and incorporate into the design.
Refine and assess the concept design to ensure conformance with all regulatory requirements and consents
Establish access, utilities, services and connections required for the design.
Coordinate design interfaces with other consultants involved.
Prepare preliminary process designs; preliminary designs, and related documentation for approval by authorities and client and suitable for costing
Manage and integrate the concept and viability documentation for presentation to the client for approval.
Provide cost estimates and comment on life cycle costs as required
Prepare a documentation programme and indicative construction programme
Liaise, co-operate and provide necessary information to the client, principal consultant and other consultants involved.
Undertake preliminary risk assessments
Facilitate approval of the concept and viability by the client
Facilitate approval of the concept and viability by statutory authorities
Assist with preparation of Concept Stage Gate documentation

Deliverable
Concept design
Schedule of required surveys, tests and other investigations and related reports
Process design
Preliminary design
Cost estimates as required
Indicative documentation programme and construction programme
Records of all meetings
Approval by the client to proceed to Stage 3
Concept Stage Gate documentation

[redacted]

Stage 3 – Design Development

The tables below are indicative, but not exhaustive, of typical services and deliverables that may be required by the Employer within Works Projects. It should also be noted that any other services and deliverables can be added as required for any specific Works Project.

Service
Prepare, co-ordinate, agree and monitor a detailed design and documentation programme
Review documentation programme with principal consultant and other consultants involved
Attend design consultants' and management meetings
Incorporate client's and authorities' detailed requirements into the design
Incorporate other consultants' designs and requirements into the design.
Coordinate designs from all disciplines
Incorporate health and safety and environmental requirements into the design.
Prepare design development drawings including draft technical details and specifications.
Review and evaluate design and outline specification and exercise cost control.
Prepare, refine, evaluate detailed estimates of construction cost
Prepare, refine, evaluate detailed construction programme
Reviewing and updating financial viability reports
Liaise, co-operate and provide necessary information to the principal consultant and other consultants involved
Conduct relevant risk assessments
Submit the necessary design documentation to local and other authorities for approval
Participate in the Employer's Stage Gate Reviews.
Facilitate client approval of all Stage 3 documentation

Deliverable
Design development drawings
Outline specifications
Local and other authority submission drawings and reports
Documentation programme
Record of all meetings
Detailed estimates of construction costs
Financial viability reports as required
Updated indicative construction programme
Deliverables required by the Employer's Stage Gate Reviews
Approval by the client to proceed to Stage 4

[redacted]

Stage 4 – Documentation and Procurement

Basic scope of services as detailed in the Guidelines.

The tables below are indicative, but not exhaustive, of typical services and deliverables that may be required by the Employer within Works Projects. It should also be noted that any other services and deliverables can be added as required for any specific Works Project.

Service
Chair and attend design and consultants' meetings
Attend bid specification and evaluation meetings with the employer
Prepare specifications and preambles for the works
Accommodate services design
Check cost estimates and adjust designs and documents if necessary to remain within budget.
Prepare documentation for contractor procurement on approved templates
Review designs, drawings and schedules for compliance with approved budget
Liaise, co-operate and provide necessary information to the principal consultant and the other consultants as required
Assist with the evaluation of tenders
Assist the Client with negotiation of prices, if required or assist the client where relevant
Assist in pricing, documentation and tender evaluation as required when the detailed services for these activities are provided by others
Assist with preparing the contract documentation for signature.
Assess samples and products for compliance and design intent
Participate in the Employer's Stage Gate Reviews.
Facilitate client approval of all Stage 4 documentation

Deliverable
Specifications
Services co-ordination
Working drawings, schedules and details
Estimate of construction cost based on final designs and tender documents
Tender documentation
Reports on technical and financial aspects of tenders
Contract documentation
Records of all meetings other than bid specification and evaluation meetings
Updated construction programme
Deliverables required by the Employer's Stage Gate Reviews
Approval by the client to proceed to Stage 5



Stage 5 – Construction Administration and Inspection

The tables below are indicative, but not exhaustive, of typical services and deliverables that may be required by the Employer within Works Projects. It should also be noted that any other services and deliverables can be added as required for any specific Works Project.

Service
Attend site handover
Issue construction documentation in accordance with the documentation schedule including, in the case of structural engineering, reinforcing bending schedules and detailing and specifications of structural steel sections and connections.
Carry out contract administration procedures in terms of the contract
Prepare, track, revise and update schedules of predicted cash flow
Prepare pro-active estimates of proposed variations for client decision making
Attend regular site, technical and progress meetings
Monitor, review and approve the preparation of the construction programme by the contractor.
Regularly monitor performance of the contractor against the construction programme
Review the Contractor's quality control programme, advise and agree a quality assurance plan and monitor implementation thereof
Inspect the works for quality and conformity to contract documentation, on a daily basis during the course of the works as described in more detail for Level 3: Fulltime construction monitoring
Review the outputs of quality assurance procedures and advise the contractor and Employer on the adequacy and need for additional controls, inspections and testing.
Adjudicate and advise employer on financial claims by contractor(s)
Assist in the resolution of contractual claims by the contractor.
Establish and maintain a financial control system
Clarify details and descriptions during construction as required
Prepare valuations for payment certificates to be issued by the employer's agent
Issue payment certificates (if acting as employer's agent)
Instruct, witness and review all tests and mock ups carried out both on and off site
Check and approve contractor drawings for design intent
Update and issue drawings register
Issue contract instructions as and when required
Review and comment on operation and maintenance manuals, guarantee certificates and warranties
Inspect the works and issue practical completion and defects lists
Arrange for the delivery of all test certificates, statutory (regulatory) and other approvals, as built drawings and operating manuals
Preparing final accounts including re-measurements for the works on a progressive basis

Deliverable
Schedules of predicted cash flow
Construction documentation
Drawings register
Estimates for proposed variations
Contract instructions
Financial control reports
Valuations for payment certificates
Payment certificates
Final account(s)
Practical completion and defects list
Deliverables required by the Employer's Stage Gate Reviews
All statutory certification and certificates of compliance as required by the Local and other Statutory Authorities
Record of all meetings

[redacted]

Stage 6 – Close-out

The tables below are indicative, but not exhaustive, of typical services and deliverables that may be required by the Employer within Works Projects. It should also be noted that any other services and deliverables can be added as required for any specific Works Project.

Service
Inspect and verify the rectification of defects
Receive, comment and approve relevant payment valuations and completion certificates
Facilitate and/or procure final operations and maintenance manuals, guarantees and warranties.
Prepare as-built drawings and documentation
Issue payment certificates (if acting as employer's agent)
Conclude the final accounts where relevant
Prepare and present project close out report

Deliverable
Valuations for payment certificates
Works and final completion lists
Operations and maintenance manuals, guarantees and warranties
As-built drawings and documentation
Final accounts
Valuation for payment certificates
Deliverables required by the Employer's Stage Gate Reviews
Close out report

[redacted]

EMPLOYER'S STAGE GATE PROCESSES

The content stated below are indicative of the services and associated deliverables that may be required by the Employer for Works Projects issued under this contract. The content is not intended to be an exhaustive list but rather to enable easier works brief determination and Works Project facilitation.

Service providers should take note that any services not expressly stated or inferred herein must be rendered based upon this time based contract.

The stages referenced herein are those as defined and implemented through the Employer's stage gate review system.

It is to be noted that the Employer's Stage Gate Review Guidelines may be updated during the duration of the contract, the updated version will be supplied to the Service Provider at the time.

Scoping

The scoping stage defines the specific focus or content of the project within the strategic context. The planned outputs and benefits should be clearly described and the work required to achieve this. To effectively manage the scope of a project it is important to ensure that requirements are clearly defined, described and documented. The scoping stage should include the governance structures of the project and method of delivery. Adequate information should be available at this point to compile the first draft of the Project Execution Plan and Design Basis Memorandum to a reasonable degree of accuracy and obtain signoff from the various stakeholders to provide a clear baseline of the expectations, deliverables and governance.

CASE	DELIVERABLE	ITEMS
Strategic Case	**Project Execution Plan** • Theory of change/Case for Change • Strategic alignment • Identification of options • Define evaluation criteria	• What is this project hoping to achieve? • Is the Case for Change that defines the reason (strategic objective) for the project clear? • Why are we doing this project (specific goals)? • Why have we prioritised this specific project over other projects in the portfolio? (If applicable, how does this project contribute to making utility service/sector a going concern) • What are the reasons, goals and benefits of doing this project? • Have threats and opportunities been identified? • How will the project enhance aspect(s) of city resilience (resilience through)? • How will the project be designed to be resilient (resilience of)? • Has project been linked to strategic objectives (MPP, IDP, MSDF and Sector Strategy/Plan)? • Programme linkages and dependencies which are to be considered in relation to achieving objectives. • Are there any local or international precedent / case studies? • How does the project link/support to local government mandates and functions?
Social / Economic Case	**Project Execution Plan** • Analysis of project alternatives, SWOT analysis or similar • Initial risk assessment • Indicative high-level socio/economic motivation • Identify estimated direct and opportunity costs.	• Have the various project solutions/interventions been discussed (activities from initiate stage) • Assurance that this initiated project was the best option among other alternative solutions. • Does this link to the Problem Statement and Theory of Change? • Has an initial SWOT Analysis of the project solutions/intervention options been conducted and the options assessed to obtain this preferred project/option (at least one next best alternative)?

[redacted]

CASE	DELIVERABLE	ITEMS
		• Have all costs and benefits of this preferred project/option been identified? Describe, which can be monetised and which cannot? • In terms of the non-monetisable aspects comment on methods that could be used and budgetary and project implications thereof • Have all externalities (i.e. indirect or incidental costs and benefits to society) been identified • Have the risks associated with the various project options been identified, especially for this preferred project/option?
Procurement Case	**Project Execution Plan** • Preliminary procurement plan	• Has SCM been engaged? • What type of tender process is required for the planned work? • Who is responsible to develop the tender documents, etc.? • What is the estimated value of the tender/(s) required (based on the supplies, services, or works required)? • What is the procurement strategy that will be adopted to procure the supplies, services, or works that are required? • Does this include the preferential procurement policies, if any, of the Council which shall apply to the contract, or project? • The appropriate contract and pricing strategy, • The appropriate targeting strategy, • The procurement procedure that will be followed, • How will bids be evaluated?
Commercial & Regulatory Case	**Project Execution Plan** • Regulatory and commercial requirements list created incl. zoning, land, heritage, water, environmental requirements, required contracts determined including land acquisitions	• All possible regulatory requirements have been identified and documented including which of these requirements will have to be completed at each stage. • Evidence that regulatory requirements necessary for the scoping stage have been met. • What contracts and contract form are required to deliver on the project • Provide/upload complete signed copies of any active contracts • List all contracts that may be required to deliver on this project • Provide all Demand Plan numbers for contracts identified if already registered • Please note: the above requirements relate to all contracts (any and all agreements in place or required to deliver on project incl. contracts with other organs of state, land owners, not only procurement contracts etc.) • Are any of the following required: ▪ Land availability and/or acquisition ▪ EIA ▪ Rezoning ▪ Servitudes ▪ Special licences ▪ Tax legislation requirements ▪ Labour legislation requirements ▪ Environmental legislation requirements ▪ Other legal, statutory or compliance matters Indicate the following (if applicable);

[redacted]

CASE	DELIVERABLE	ITEMS
		• Clearly indicate which other Directorates need to be involved or informed? • Does National or Provincial Govt need to be involved or informed or permissions required? • Is public participation required? • Contract documents for all contracts used to deliver on the projects retained in records management system/registry (CRMS)
Financial Case	**Project Execution Plan** • Preliminary capex and opex cost estimates • Budget provision for next stage in place (in MTREF)	• Has project been created in SAP PPM (Confirm S, GPX and CPX item numbers) • Provide total project cost estimate (40%-50% level of confidence) – capital cost and running (operating) costs • Confirmation of approved opex budget in the MTREF to fund the feasibility stage and the value of this? • Indication of fund sources (including external funding) expected to be used • Note: all information presented and uploaded must align to SAP PPM / PS information
Project Management Case	**Project Execution Plan** • As per sections listed • Project Schedule	• Project Charter has been provided [approved] ◦ The project manager assigned with authority level • The first draft of the Project Execution Plan has been compiled with necessary sections and approved by management Scoping Report should include the following sections; ◦ Project Title and Description ◦ Scope statement (high level description) ◦ WBS (level 3 max) ◦ Project roadmap ◦ Resources assigned ◦ Stakeholders identification ◦ Output(s) description ◦ Linked to IDP in PPM (objective, programme, project) ◦ Measurable project objectives ◦ Project approval requirements ◦ High-level project risks (which could include Safety & Security risks) ◦ RASCI ◦ Decision log
Technical / Engineering Case		• Have the initial technical considerations been documented in a Design Basis Memorandum Design Basis Memorandum must include the following information; ◦ Applicable design codes of practice, standards and guidelines ◦ Legislative and Regulatory Framework ◦ Sustainability, environmental impact and efficiency ◦ Materials for construction ◦ Preferred technologies, and suitable alternatives ◦ Engineering Best Practice principles ◦ Adopted or specified design philosophy ◦ Bulk services requirements and availability ◦ Full lifecycle cost planning requirements ◦ Any high-level S&S risk mitigation measures resulted in particular design choices, materials choices and/or work execution

[redacted]

CASE	DELIVERABLE	ITEMS
		methodologies and have these items been sufficiently captured?

[redacted]

Feasibility

The feasibility stage determines the viability of the project. This stage considers all possibilities within the scope of the project, carries out an initial evaluation of the available options, and recommends a preferred option, or a limited number of options to be pursued further in the Conceptual Design stage. In addition to technical feasibility this stage tests the financial affordability as well as the socio/economic impacts of the selected options. The Project Execution Plan and Design Basis Memorandum defines the "how" of the planning components and the "why" as part of the strategic and socio economic information.

CASE	DELIVERABLE	ITEMS
Strategic Case	**Project Execution Plan (Draft)** • Alignment to Strategic Case • Evaluation of options • Recommended option	• What is this project hoping to achieve? • Is the Case for Change that defines the reason (strategic objective) for the project clear? • Why are we doing this project (specific goals)? • What triggered the need for the project/programme? • What are the reasons, goals and benefits of doing this project? (how is impact defined and measured?) • How has the project been linked to strategic objectives (MPP, IDP, MSDF and Sector Strategy/Plan)? • How will threats and opportunities be managed? • How is the project enhancing aspect(s) of city resilience (resilience through)? • How is the project designed to be resilient (resilience of)? • SWOT analysis • Project/Programme linkages and dependencies which are to be considered in relation to achieving objectives.
Social / Economic Case	**Project Execution Plan (Draft)** • Socio-economic Cost benefit analysis • Sensitivity analysis and simulations • Macro-economic impact assessment (where applicable) Note: This information may be contained in comprehensive Feasibility Studies and only referenced in this Feasibility Report	• Have the capital and operational costs of the project been estimated? • Has there been some demand or usage forecasting? • Has a detailed cash flow statement with all identified inputs been provided for the preferred project option? • Have all non-financial benefits and all indirect costs or externalities which are able to be monetised, quantified? • Is there an indication of how non-monetisable benefits or costs will be assessed? • Has an appraisal methodology (Cost Benefit Analysis; Cost Effectiveness, Multi-Criteria Analysis) been clearly chosen? • Has an appraisal (CBA or similar) been undertaken on the preferred option versus 'do nothing' or the next best alternative? • Have key indicators (NPV; IRR; BCR) been estimated and applied to the preferred option and alternative? • Has it been indicated whether the project is expected to have a significant impact on the economy? If so has a macroeconomic impact assessment been conducted? • Has a sensitivity analysis, varying key project assumptions and scenarios been conducted? • Is there a clear recommendation on whether to proceed with the project? • Evaluation of options based on economic cost benefit ratio (incl. do nothing option).

[redacted]

CASE	DELIVERABLE	ITEMS
Procurement Case	**Project Execution Plan (Draft)** • Updated procurement plan • Registered DP numbers • Tender Roadmap	• Has SCM been engaged? • Procurement roadmap and alignment with project timeframes. • What type of tender process is required? • Who will develop the tender documents, etc.? • What is the value of the tender (s) required (based on the supplies, services, or works that are required)? • What is the procurement strategy that will be adopted to procure the supplies, services, or works that are required? • Does this include the preferential procurement policies, if any, of the Council which shall apply to the contract, or project? • The appropriate contract and pricing strategy, • The appropriate targeting strategy, • The procurement procedure that will be followed, refer to SCM Policy • The Bid evaluation method that will be used to evaluate Bidders, refer to SCM Policy • What is the broad scope of work associated with the respective procurements? • Appointment of PSP's to assist with the planning and/or detailed design and/or execution • Appointment of 3rd party contractors • What long-lead items must be procured?
Commercial & Regulatory Case	**Project Execution Plan (Draft)** • Preliminary regulatory and commercial requirements plan including tasks list, roles and responsibilities based on preferred option • Commercial and regulatory roadmap based on preferred option	• All possible regulatory requirements have been identified and documented including which of these requirements will have to be completed at each stage. • Evidence that regulatory requirements necessary for the feasibility stage have been met. • National or Provincial Govt that need to be involved or informed have been engaged. • Permissions, (at a Local, a Provincial and a National Government level) initiated. • Directorates that need to be involved or informed have been engaged. • Draft public participation plan developed. • Confirmation and initiation of works as needed in the following areas: ▪ Land availability and/or acquisition ▪ EIA ▪ Rezoning ▪ Servitudes ▪ Special licences ▪ Tax legislation requirements ▪ Labour legislation requirements ▪ Environmental legislation requirements ▪ Other legal, statutory or compliance matters identified and work initiated. • Indicate the contracts and contract forms required to deliver on the project ◦ Provide/upload complete signed copies of any active contracts ◦ List all contracts that are required to deliver on this project ◦ Provide all Demand Plan numbers for contracts identified if already registered ◦ Please note: the above requirements relate to all contracts (any and all agreements in

CASE	DELIVERABLE	ITEMS
		place or required to deliver on project incl. contracts with other organs of state, land owners, not only procurement contracts etc.) • Contracts and contract form required to deliver the project confirmed and included in the roadmap. • Contract documents for all contracts used to deliver on the projects retained in records management system/registry (CRMS)
Financial Case	**Project Execution Plan (Draft)** • Budget provision for next stage in place (in MTREF) Note: all information presented and uploaded must align to SAP PPM / PS information	• Confirm S, GPX and CPX item numbers applicable to this project and ensure all information is up to date for the recommended option • Provide the total project cost for each per option assessed (incl. operational expenditure) and clearly indicate the recommended option selected. • Improved total project cost estimate (70%-75% level of confidence) – capital cost and running (operating) costs • Confirmation of approved opex budget in the MTREF to fund the concept stage and value of this? • Confirmation of whether the project is revenue generating and an estimate as well as the impact of this on choice of funding sources • Has Safety & Security risk mitigation measures been estimated and incorporated into project cost estimate?
Project Management Case	**Project Execution Plan (Draft)** • As per sections listed • Project Schedule Note: The Project Execution Plan should also include information as requested in other cases	• The Project Execution Plan has been drafted with all sections and approved by management Project Execution Plan should include the following sections; ◦ Project background ◦ Project objectives ◦ Scope definition - Assumptions - Constraints - In scope vs. out of scope - Interface points / battery limits ◦ Work Breakdown Structure – at least to work package level ◦ Time Management: detailed schedule (Gantt) ◦ Cost Management: S-curve (cost vs. time) ◦ Quality Management: quality assurance and quality control considerations ◦ Stakeholders - Stakeholder Register - Mapping: impact vs. influence ◦ Communication: - Formal vs. informal communication types - Push vs pull communication methods - Organogram ◦ Resource Management ◦ Integration Management - Governance considerations - Success criteria - Project change management - Decision log - Lessons learnt - Project handover ◦ Risk Management

CASE	DELIVERABLE	ITEMS
		- Populated and maintained in SAP PPM - S&S risk model (SAP PPM) been applied and a rating determined (high, medium, low)? - Identification & Evaluation (likelihood and impact) - Mitigation & Proximity date - Risk owner ◦ Procurement Management ◦ Outputs – benefits tracking models and indicators created
Technical / Engineering Case	**Design Basis Memorandum (DBM)** • Final technical considerations within DBM • Evaluation of available engineering options	• Documented evaluation of technical design options against the Design Basis Memorandum Design Basis Memorandum must include the following information; ◦ Applicable design codes of practice, standards and guidelines ◦ Legislative and Regulatory Framework ◦ Sustainability, environmental Impact and efficiency ◦ Materials for construction ◦ Preferred technologies, and suitable alternatives ◦ Engineering Best Practice principles ◦ Adopted or specified design philosophy ◦ Bulk services requirements and availability ◦ Full lifecycle cost planning requirements ◦ Has any confirmed S&S risk mitigation measures resulted in particular design choices, materials choices and/or work execution methodologies and have these items been sufficiently captured?

[redacted]

Concept Design

The conceptual design stage focuses on defining the optimal method for achieving the project objectives based on the option selected from the feasibility stage. This results in several diverse activities across the procurement, planning (commercial, regulatory and planning for project execution) and technical design domains. The Conceptual Design Report includes the final strategic and socio-economic components along all technical and engineering information to be approved. The Project Execution Plan is also further refined with the current project information to indicate all planning components.

CASE	DELIVERABLE	ITEMS
Strategic Case	**Project Execution Plan (Updated)** • Alignment to Strategic Case • Refined option assessment	• Document strategic alignment of refined option against the evaluation criteria • Changes to Final Strategic Case (completed at the Feasibility Stage) identified and impacts highlighted if any. • Demonstration of how concept design implements Strategy as identified in scoping/feasibility (IDP, MSDF Sector Strategies etc.)?
Social / Economic Case	**Project Execution Plan (Updated)** • Test behavioural assumptions. • Macro-economic impact assessment of recommended option.	• Sensitivity analysis of selected option from feasibility. • Identify macro-economic impacts of selected option. • What are the wider public benefits of selected option? • What are the wider public costs of selected option?
Procurement Case	**Project Execution Plan (Updated)** • Updated procurement plan • DP numbers confirmation • Tender Roadmap	• Have the SCM / Procurements requirements identified during the Scoping and Feasibility phases been further refined to take into account the specific requirements of the conceptual design? • Updated procurement roadmap and alignment with project timeframes. • Confirmation from SCM with regards to Final Procurement Strategy (including any Section 33 requirements). • Relevant specifications submitted to SCM with financial footnote. • All procurement requirements loaded on SAP PPM and linked to the project. • Received confirmation of all Demand Plan numbers.
Commercial & Regulatory Case	**Project Execution Plan (Updated)** • Refined commercial and regulatory plan for recommended option • Updated commercial and regulatory roadmap based on recommended option including proof of required contracts identified and initiated and existing contract(s) utilised start and end dates	• All possible regulatory requirements have been identified and documented including which of these requirements will have to be completed at each stage. • Evidence that regulatory requirements necessary for the conceptual design stage have been met. • National or Provincial Govt that need to be involved or informed have been engaged. • Permissions, (at a Local, a Provincial and a National Government level) initiated. • Directorates that need to be involved or informed have been engaged. • Public participation plan finalised. • Continuation of works as needed in the following areas: ▪ Land availability and/or acquisition ▪ EIA ▪ Rezoning ▪ Servitudes

CASE	DELIVERABLE	ITEMS
		▪ Special licences ▪ Tax legislation requirements ▪ Labour legislation requirements ▪ Environmental legislation requirements ▪ Other legal, statutory or compliance matters identified and work initiated. • Proof of contracts and contract forms required to deliver on the project ◦ Provide/upload complete signed copies of any active contracts ◦ List all contracts that are required to deliver on this project ◦ Provide all Demand Plan numbers for contracts identified if already registered ◦ Please note: the above requirements relate to all contracts (any and all agreements in place or required to deliver on project incl. contracts with other organs of state, land owners, not only procurement contracts etc.) • Updated roadmap (confirmation of contract start and finish dates) • Risk Management - Have all identified contract management risks been captured in an updated contract Risk Register (CRMS) and included in the project risk register? • Performance Management - Have performance indicators and targets for the contracts been formulated and included in contract document drafts? • Contract file retained in records management system/registry(CRMS)
Financial Case	**Project Execution Plan (Updated)** • Updated total project cost estimate of recommended option • Clear Opex and Capex requirements • Note: all information presented and uploaded must align to SAP PPM / PS information Note: all information presented and uploaded must align to SAP PPM / PS information	• Confirm S, GPX and CPX ietm numbers applicable to this project • Improved total project cost estimate (80%-85% level of confidence) – capital cost and running (operating) costs • Confirmation of approved capex budget in the MTREF to fund the detail design stage and value of this? • Provide the funding strategy of the project and if this is achievable (indicate funding sources, funding approach and operating expenditure required) • If this project is revenue generating, provide a quantitative estimate of how much this would be. • Has your finance manager in your department been engaged and signed/supported the Project Execution Plan.
Project Management Case	**Project Execution Plan (Updated)** • As per sections listed • Project Schedule • Note: The Project Execution Plan should also include information as requested in other cases	• The Project Execution Plan has been updated with all sections and approved by management Project Execution Plan should include the following project management information; ◦ Project background ◦ Project objectives ◦ Outputs – benefits tracking models and indicators created ◦ Scope definition - Assumptions - Constraints - In scope vs. out of scope - Interface points / battery limits

CASE	DELIVERABLE	ITEMS
		◦ Work Breakdown Structure – at least to work package level ◦ Time Management: detailed schedule (Gantt) ◦ Cost Management: S-curve (cost vs. time) ◦ Quality Management: quality assurance and quality control considerations ◦ Stakeholders - Mapping: impact vs. influence ◦ Communication: - Formal vs. informal communication types - Push vs pull communication methods - Organogram ◦ Resource Management ◦ Integration Management - Governance considerations - Acceptance criteria - Project change management - Decision log - Lessons learnt - Project handover ◦ Risk Management - Populated and maintained in SAP PPM - Identification - Evaluation (likelihood and impact) - Mitigation - Proximity date - Risk owner - Escalation



Detailed Design and Tender Documentation

The detailed design stage finalises the detail designs of the project to produce a Detail Design Report that references all aspects and a final Project Execution Plan that provides, among other information, the scope, time and cost baseline. The stage activities also allows for the completion of all the procurement documentation necessary to appoint service providers.

CASE	DELIVERABLE	ITEMS
Strategic Case	**Detail Design Report** • Alignment to Strategic Case	• Strategic Case is not appraised at the Detail Design Stage Gate
Social / Economic Case	**Detail Design Report** • Alignment to Socio-economic Case	• Socio-economic Case is not appraised at the Detail Design Stage Gate
Procurement Case	**Project Execution Plan (Final)** • Tender Documentation • BIF & Specifications	• All procurement requirements updated in SAP PPM. • Have the applicable tenders been prepared? • Have all tender/bid documents and specifications been completed? • Have procurement timeframes been agreed with SCM? • Has the tender advertisement process been defined? • Have the tender evaluation criteria been defined?
Commercial & Regulatory Case	**Project Execution Plan (Final)** • Final commercial and regulatory plan • Final commercial and regulatory roadmap overlaid with project plans	• Have all regulatory and legislative requirements been resolved such that they pose no risk to the project? • Evidence that regulatory requirements necessary for the detail design stage have been met. • Permissions, (at a Local, a Provincial and a National Government level) obtained. • Public participation completed and requirements incorporated. • Approvals obtained for the following areas: ▪ Land availability and/or acquisition ▪ EIA ▪ Rezoning ▪ Servitudes ▪ Special licences ▪ Tax legislation requirements ▪ Labour legislation requirements ▪ Environmental legislation requirements ▪ Other legal, statutory or compliance matters identified and work initiated. • Proof of contracts and contract forms required to deliver on the project ◦ Provide/upload complete signed copies of all active contracts ◦ List all contracts that are required to deliver on this project ◦ Provide all Demand Plan numbers for contracts identified if already registered • Contract management arrangements and plans finalised? • Updated roadmap (confirmation of contract start and finish dates) • Contract Risk Menagement - Have all identified contract risks been monitored and managed and risk register updated with any new contract management risks? • Contract Performance Management - Have performance indicators and targets for the

CASE	DELIVERABLE	ITEMS
		contracts been formulated and included in FINAL draft contracts? • Have stakeholders been engaged during the process of securing the contracts? • Contract files retained in records management system/registry (CRMS)
Financial Case	**Project Execution Plan (Final)** • Final total project cost estimate (90% level of confidence) • Final Opex and Capex requirements • Note: all information presented and uploaded must align to SAP PPM / PS information	• Confirm CPX item number applicable to this project and ensure all information is up to date in PPM • Indicate final total project cost estimate (90% level of confidence) – capital cost and running (operating) costs • Confirmation of approved capex budget in the MTREF to fund the execution stage and value of this? • Have future operational requirements (e.g. recurrent costs, including depreciation and customer charges) been considered and allowed for appropriately? • Confirmation of funding sources (incl. external funding) approved. • If this project is revenue generating, provide a quantitative estimate of how much this would be. • Has your finance manager in your department been engaged and signed/supported the Project Execution Plan.
Project Management Case	**Project Execution Plan (Final)** • As per sections listed • Project Schedule Baseline • Project Cost Baseline Note: The Project Execution Plan should also include information as requested in other cases	• The Project Execution Plan has been finalised and approved by management Project Execution Plan should include the following project management information; ◦ Project background ◦ Project objectives ◦ Scope definition - Assumptions - Constraints - In scope vs. out of scope - Interface points / battery limits ◦ Work Breakdown Structure – at least to work package level ◦ Time Management: detailed schedule (Gantt) ◦ Cost Management: S-curve (cost vs. time) ◦ Quality Management: quality assurance and quality control measure defined ◦ Stakeholders - Mapping: impact vs. influence - Stakeholder management plan defined ◦ Communication: - Formal vs. informal communication types - Push vs pull communication methods - Organogram ◦ Resource Management ◦ Integration Management - Governance considerations - Acceptance criteria - Project change management - Decision log - Lessons learnt - Project handover ◦ Risk Management - Populated and maintained in SAP PPM - Identification & Evaluation (likelihood and impact) (S&S risk model and rating been applied?)

CASE	DELIVERABLE	ITEMS
		- Mitigation & Proximity date - Risk owner - Escalation process ◦ Outputs – benefits tracking models and indicators created (Benefit Realisation Model)
Technical / Engineering Case	**Detail Design Report** • Detail Designs • Operational and Maintenance plan completed • Quality management plan completed. Draft Tender Documentation • Specifications • Bill of Quantities Note: The Detail Design Report should also include information as requested in other cases	• The Detail Design Report has been updated with all sections and approved by management Detail Design Report must include the following technical information: ◦ Fully developed Design drawings fit for construction, schedules and technical details ◦ The detailed process design including criteria, codes and standards applied, and calculations where applicable ◦ Confirmation of engagement with third parties like utilities, service providers and regulatory or licensing bodies ◦ The detail design including criteria, codes and standards applied, and calculations ◦ The detailed logically sequenced implementation schedule (programme) ◦ The detailed quantity take-offs and detailed construction cost estimates. Note that while quantities are re-measurable (in terms of our standard forms of agreement), to allow for changes that cannot be foreseen, there is a responsibility on the designers to be as accurate as is reasonable. ◦ Detailed project specifications aligned to the drawings and bills of quantities ◦ Site information like survey reports, geotechnical reports, environmental, heritage and health and safety requirements ◦ Choice of procurement strategy and appropriate form of contract ◦ Check quantity take-offs, cost estimates (against historical data and market research) and adjust designs and documents if necessary to remain within budget. ◦ Review designs, drawings and schedules for compliance with approved budgets ◦ Ensure that drawings, schedules, bills of quantities and specifications are fully aligned and covers the full extent of the design to be constructed as per the scope of works. ◦ Confirm that all interfaces and battery limits are clearly defined and indicated on the drawings. ◦ Ensure that all statutory and regulatory approvals are in place and adhered to ◦ Review and adjust the schedule and sequencing to be logically aligned to the detailed activities and estimated durations ◦ Ensure that factual site information and ground truth data is accurately captured and included in the documentation to fully describe the conditions under which the works are to be completed ◦ Identify and document the maintenance requirements and packages including maintenance cost estimations ◦ Ensure that the HAZOP results (where applicable) and operational requirements post

[redacted]

CASE	DELIVERABLE	ITEMS
		construction are clearly defined, accepted by those responsible for operations and documented in the operational plan. ◦ Define and include the operational training requirements in the operational plan, specifications and bills of quantities • Quality management plan (specific to professional services) to be included in the concept design report should as a minimum address the following questions: ◦ Has the quality management plan been compiled and completed? ◦ Does it quantify appropriate quality standards? ◦ Does it define the processes to be used to measure quality? ◦ Does it define the processes for dealing with non-conformances i.t.o. corrective actions and escalation where required? ◦ Does it define the required roles and responsibilities to ensure defined quality standards are met? Operational and Maintenance plan to be included in the detail design report should as a minimum address the following: ◦ Have the maintenance package(s) been completed? ◦ Have the maintenance package(s) been communicated to operations ◦ Has an Operational plan been compiled and completed? ◦ Was the HAZOP results (where applicable) and operational requirements post construction clearly defined, accepted by those responsible for operations and documented in the operational and maintenance plan. ◦ Has this plan been communicated to the area of operations that will take over the maintenance and running of the asset in the future for comment and input? ◦ Does this plan include an initial estimate of costs associated with the future maintenance and running of the asset? • Given the determined risk rating for the final concept (i.e. as per project management case), has the standardised S&S specifications been incorporated into the project scope? By extension, has the cost estimates been updated? • Are there any additional S&S related technologies, processes or activities NOT captured in the standardised S&S specifications that has been adopted on this project? • Check populated Tender template selected from latest list of approved templates completed in full, including the tender conditions, contract conditions and specifications ready for the first BSC. • Given the determined risk rating per concept option (i.e. as per project management case), has the standardised S&S specifications been considered?

Execution

The execution stage is the traditional realm of project management. It focuses on carrying out the work identified in all the preceding stages prior to project commissioning and close out. The stage must ensure that all the project work is synchronised so that the project can be executed effectively. The Works Completion Report needs to encompass all the necessary information to successfully complete the execution stage.

CASE	DELIVERABLE	ITEMS
Strategic Case	**Works Completion Report**	• Strategic Case is not appraised at the Execution Stage Gate
Social / Economic Case	**Works Completion Report**	• Socio-economic Case is not appraised at the Execution Stage Gate
Procurement Case	**Works Completion Report** • Summary of procurements (awarded and cancelled) and procurement timelines	• List of procurement awards made with timeframes • List of procurements cancelled • Procurement specific Lessons learnt
Commercial & Regulatory Case	**Works Completion Report** • Close-out information of all contracts/agreements (Close Out Report) • Planned vs actual of regulatory requirements	• Have all regulatory and legislative requirements been met? • Certification of the delivery of the goods and associated services in accordance with the provisions of the contract. • Commercial & Regulatory specific Lessons learnt • List of contract variances • Confirmation of meeting regulatory requirements: ▪ EIA ▪ Servitudes ▪ Special licences ▪ Tax legislation requirements ▪ Labour legislation requirements ▪ Environmental legislation requirements ▪ Other legal, statutory or compliance matters identified and work initiated. • Contract Risk Management - All contract risks have been closed and lessons learnt included in contract close out report. Contract Risk Register Closed • Contract Performance Management - Contract performance confirmation and review for all contracts (time, cost, general performance) • Contract Stakeholder Management - Relevant stakeholders have been engaged in the finalising the contract close out report and lessons learnt communicated to relevant stakeholders • Contract documentation/records completeness has been checked and shortcoming actioned/recorded in close out report. Contract files retained in records management system/registry (CRMS) Y/N • Contract management arrangements and plans finalised?
Financial Case	**Works Completion Report** • Final Cost vs Budget achieved Note: all information presented and uploaded must align to SAP PPM / PS information	• Confirm CPX item number applicable to this project and ensure all information is up to date in PPM • Budget as per approved Project Execution Plan vs. actuals and reasons for any variance • Have future operational requirements (e.g. recurrent costs, including depreciation and customer charges) been considered and allowed for appropriately?

[redacted]

CASE	DELIVERABLE	ITEMS
		• Has your finance manager in your department been engaged and signed/supported the Works Completion Report.
Project Management Case	**Works Completion Report** • As per sections listed • Planned vs Delivered Note: The Works Completion Report should also include information as requested in other cases	• The Works Completion Report has been finalised and approved by management Works Completion Report should include the following project management information; ◦ Project background ◦ Project objectives ◦ Scope: - Outputs alignment with outcomes - Outputs – planned vs. actual ◦ Confirmation of scope delivered – ready for handover ◦ Time Management: planned baseline vs. actual (Gantt) - Achieved milestone dates ◦ Cost Management: S-curve (cost vs. time) – planned vs. actual ◦ Report on contingency use ◦ Quality Management: quality assurance and control reports ◦ Stakeholders – confirmation of discussion with operation in preparation for handover ◦ Integration Management - Acceptance criteria for handover - Final change management - Decision log - Lessons learnt - Commissioning plan ◦ Risk Management - Populated and maintained in SAP PPM - Issue log
Technical / Engineering Case	**Works Completion Report** • Detail Designs • Operational and Maintenance plan completed • Quality management plan completed. Note: The Works Completion Report should also include information as requested in other cases	• The Works Completion Report has been updated with all sections and approved by management Works Completion Report must include the following technical information; ◦ Locality plan. ◦ Contract information. - Contract data & description. - Contractor and key personnel. - Sub-contractors and key personnel. - Service Provider, Employer's Agent and their key personnel. - Contract Manager and other key personnel from the Employer. - Original time for completion and actual duration of the Contract. - Practical Completion Certificates and lists of outstanding work. ◦ Financial Details. - Contract expenditure. - Final accounts, valuations and payment certificates at completion and at the end of the defects liability period. - Variation Orders. - Discussion on under/over expenditure. - Penalties. - Assessment of whether value for money was achieved. ◦ Contractor's performance - Final Project Schedule. - Claims & Disputes.

[redacted]

CASE	DELIVERABLE	ITEMS
		- Management and Organisation. - Quality of work. - Plant and equipment - Additional Works - Problems experienced by Contractor. - Local labour & enterprises. - Environmental, Heritage, Occupational Health and Safety Compliance and Audits - Wayleaves and Permits to Work - General discussion on contractor's overall performance. - Early termination of a Contract (if applicable) ◦ Procurement. - CPG goals - EPWP information - Training. ◦ Photographic records. ◦ Record Drawings. - Schedule of Construction Drawings issued to Contractor. - Schedule of As-Build Drawings submitted to the Employer. ◦ Operation and Maintenance Manuals, critical spares lists, guarantees and warranties ◦ Commissioning plan (if required) ◦ CIDB registration and close-out completed ◦ Site records - Records of meetings, Instructions, Tests, Measurements, Climatic, Other

[redacted]

Commission & Close-Out

The Commission and Close-out stage focuses on ensuring that the project is handed over to the Directorate that will be responsible for the day-to-day operations of the project. It also ensures that the project is closed correctly and that all obligations under the project are fulfilled. This is documented in the Close-Out Report and archived accordingly.

CASE	DELIVERABLE	ITEMS
Strategic Case	**Close-Out Report**	• Has the benefits monitoring commenced? • Is a benefits review required and date confirmed? (If applicable, confirmation of attendees for benefits review) • How has the strategic environment and context changed since initiation? How has (or will) the project respond and how will this impact on day-to-day operations?
Social / Economic Case	**Close-Out Report**	• Review & monitor strategic alignment Stage Gate
Procurement Case	**Close-Out Report**	• Confirmation that all procurements are closed
Commercial & Regulatory Case	**Close-Out Report**	• Confirmation that all regulatory and legislative requirements are closed out. • Confirmation that all contracts are closed. • Contract closure procedures completed. • Final amount due to the contractor is certified in terms of the contract. • Assessment of regulatory compliance lessons learnt and variances. • Assessment of contract delivery against contract project objectives, variances accounted for and lessons learnt.
Financial Case	**Close-Out Report** • Final Cost vs Budget achieved Note: all information presented and uploaded must align to SAP PPM / PS information	• All information is up to date in PPM • Budget as per approved Project Execution Plan vs. actuals and reasons for any variance • Have future operational requirements (e.g. recurrent costs, including depreciation and customer charges) been considered and allowed for appropriately? Are there any changes from pervious stage? • Has the asset completion form been completed and sent to the relevant person? • Completion of the Asset Creation form is required for the Asset to be capitalised and created within the Plant Maintenance environment. • SAP PS project closure confirmation.
Project Management Case	**Close-Out Report** • As per sections listed Note: The Close-Out Report should also include information as requested in other cases	• The Close-out Report has been finalised and approved by management Close-out Report should include the following project management information: ◦ Project background ◦ Project objectives ◦ Scope: - Outputs alignment with outcomes - Outputs – planned vs. actual ◦ Confirmation that scope was delivered to the requirements ◦ Time Management: planned baseline vs. actual (Gantt) - Achieved milestone dates ◦ Cost Management: S-curve (cost vs. time) – planned vs. actual ◦ Integration Management - Final change management

[redacted]

CASE	DELIVERABLE	ITEMS
		- Decision log - Lessons learnt - Indexing and archiving of records confirmation ◦ Risk Management - All risks and issues closed out
Technical / Engineering Case	**Close-Out Report** • Final close-out report (incl. as-built drawings, O&M manuals and contract performance records) Note: The Close-Out Report should also include information as requested in other cases	• The Works Completion Report has been compiled with all sections and approved by management Close-out Report should include the following technical information; ◦ Locality plan. ◦ Contract information. - Contract data & description. - Contractor and key personnel. - Sub-contractors and key personnel. - Service Provider, Employer's Agent and their key personnel. - Contract Manager and other key personnel from the Employer. - Original time for completion and actual duration of the Contract. - Completion Certificates and lists of outstanding work. - List of defects. ◦ Financial Details. - Contract expenditure. - Final accounts, valuations and payment certificates at completion and at the end of the defects liability period. - Variation Orders. - Discussion on under/over expenditure. - Penalties. - Assessment of whether value for money was achieved. ◦ Procurement. - CPG goals - EPWP information - Training. ◦ Contractor's performance - Final Project Schedule. - Claims & Disputes. - Management and Organisation. - Quality of work. - Plant and equipment - Additional Works - Problems experienced by Contractor. - Local labour & enterprises. - Environmental, Heritage, Occupational Health and Safety Compliance and Audits - Wayleaves and Permits to Work - General discussion on contractor's overall performance. - Early termination of a Contract (if applicable) ◦ Photographic records. ◦ Record Drawings. - Schedule of Construction Drawings issued to Contractor. - Schedule of As-Build Drawings submitted to the Employer. ◦ Operation and Maintenance Manuals, critical spares lists, guarantees and warranties

[redacted]

CASE	DELIVERABLE	ITEMS
		◦ Commissioning plan (if required) ◦ CIDB registration and close-out completed ◦ Site records - Records of meetings, Instructions, Tests, Measurements, Climatic, Other ◦ Was the project completed successfully, given the S&S specifications incorporation and the updated work methodology? Were there any lessons learnt for future risk mitigation activities?

Benefits Review

The Benefits Review stage is a specific stage that focuses on outcomes - reviewing the outcomes realised from the projects. This Gate Review will typically take place 1 year after the Commission and Close-out Gate Review. The information will be documented in the Benefits Review Report.

CASE	DELIVERABLE	ITEMS
Strategic Case **Social / Economic Case** **Procurement Case** **Commercial & Regulatory Case** **Financial Case** **Project Management Case** **Technical / Engineering Case**	**Benefits Review Report**	• Description of planned outcomes and how these are being tracked. • Focus on whether outcomes identified in the strategic case are being realised as expected. • What is being done to ensure planned outcomes are realised? • Have any corrective actions been identified? • If so, assign owners to each corrective active and agree on a due date for feedback on progress to resolve corrective action. • Formal feedback on "customer" satisfaction. • Lessons learnt during first year of operations and how these can be utilised to better plan future projects.

[redacted]

C3.2 Annexes

Annex 1: B-BBEE Sub-contract Expenditure Report
Annex 2: Joint Venture Expenditure Report

ANNEX 1

CITY OF CAPE TOWN

CONTRACT NO. AND NAME: _____

CONTRACTOR (SERVICE PROVIDER): _____

B-BBEE SUB-CONTRACT EXPENDITURE REPORT BASED ON PAYMENT NO. .....

Value of the contract (as defined in Schedule 24: Preferencing Schedule) (P*)	R	B-BBEE Status Level of Prime Contractor	

Name of Sub-contractor (list all Sub-contractors)	**B-BBEE Status Level of Sub-contractor[1]**	**Total Value of Sub-contract (excl VAT)[1]**	**Value of Sub-contract work to date (excl VAT)[1]**	**Value of Sub-contract work to Sub-contractors with a lower B-BBEE Status Level than Prime Contractor**
Sub-contractor A		R	R	R
Sub-contractor B		R	R	R
Sub-contractor C		R	R	R
			Total:	R
			Expressed as a percentage of P*	%

[1]Documentory evidence to be provided

Signatures

Declared by Contractor (Service Provider) to be true and correct: _____ **Date:** _____

Verified by Employer's Representative: _____ **Date:** _____

[redacted]

ANNEX 2

CITY OF CAPE TOWN

CONTRACT NO. AND NAME: .....

CONTRACTOR (SERVICE PROVIDER): .....

JOINT VENTURE EXPENDITURE REPORT BASED ON PAYMENT NO. .....

Value of the contract (as defined in Schedule 19: Preferencing Schedule) (P*)	R	B-BBEE Status Level of Joint Venture	

Name of Joint Venture partner (list all)	B-BBEE Status Level of each JV partner as at contract award	Percentage contribution of JV partner per JV Agreement[1] A	Total value of JV partner's contribution (excl. VAT)[1] B = A% x P*	Value of JV partner's contribution to date (excl. VAT)[1] C	Value of JV partner's contribution as a percentage of the work executed to date D = C/P*x100
JV Partner A		%	R	R	%
JV Partner B		%	R	R	%
JV Partner C		%	R	R	%

[1]Documentary evidence to be provided

Signatures

Declared by Contractor (Service Provider) to be true and correct: ..... **Date:** .....

Verified by Employer's Representative: ..... **Date:** .....

Part C4: Additional information

Pages

C4.1 **Detail Design Report for Faure New Water Scheme available on request at Bulk Water Offices**

C4.2 **Municipal PPP Guideline available on request at Bulk Water Offices**

Part C5: Returnable Documents

		Pages
C5.1	List of Returnable Documents	143
C5.2	Returnable Schedules.....	145 to 198

C5.1 List of Returnable Documents

The tenderer must complete the following Returnable Documents in non-erasable **black ink**:

Returnable Schedules that will be incorporated into the Contract

			Pages
1	:	COMPULSORY ENTERPRISE QUESTIONNAIRE	145
2	:	CERTIFICATE OF INDEPENDENT TENDER DETERMINATION	147
3	:	CERTIFICATE OF AUTHORITY FOR JOINT VENTURES	149
4	:	DECLARATION OF TENDERER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES (MBD 8) 41	150
5	:	DECLARATION OF INTEREST – STATE EMPLOYEES (MBD 4)	151
6	:	DECLARATION OF INTEREST	154
7	:	AUTHORISATION FOR THE DEDUCTION OF OUTSTANDING AMOUNTS OWED TO CCT	155
8	:	DECLARATION IN RESPECT OF COMPLIANCE WITH LABOUR LEGISLATION	156
9	:	CONFIRMATION OF CCT SUPPLIER DATABASE REGISTRATION	157
10	:	CONSULTANCY SERVICES PROVIDED TO ORGANS OF STATE	158
11	:	SCHEDULE OF WORK EXPERIENCE OF TENDERER	159
12	:	KEY STAFF	164
13	:	SCHEDULE OF SUPPORT RESOURCES	182
14	:	PROFESSIONAL INDEMNITY INSURANCE	183
15	:	FUNCTIONALITY CRITERIA	184
16	:	PROPOSED WORK PLAN	185
17	:	CONFIRMATION OF TENDERER REGISTRATION / ACCREDITATION	186
18	:	OTHER CRITERIA	187
19	:	PERSONNEL SCHEDULE (OTHER THAN KEY STAFF)	188
20	:	SCHEDULE OF SUBCONTRACTORS	189
21	:	DEVIATIONS AND QUALIFICATIONS BY TENDERER	190
22	:	RECORD OF ADDENDA TO TENDER DOCUMENTS	191
23	:	PRICE BASIS FOR IMPORTED RESOURCES	192
24	:	PREFERENCE SCHEDULE (where preferences are granted in respect of specific goal(s))	193
25	:	REGIONS OF PREFERENCE	197
26	:	APPEAL APPLICATION (ANNEXURE B)	195
27	:	INFORMATION TO BE PROVIDED WITH THE TENDER	198

Other documents required for tender evaluation purposes

a) Joint Venture Agreement (if applicable) - append to Schedule 3.
b) Documentary evidence/proof of Professional Indemnity Insurance - append to Schedule 14.
c) Any other documentary evidence/proof as required - append to Schedule 27.
d) Functionality Criteria - append to Schedule 15.

C5.2 Returnable Schedules

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 1: COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.	
Section 1: Name of enterprise: ZUTARI (PTY) LTD	
Section 2: VAT registration number, if any: 4320106703	
Section 2a: National Treasury Central Supplier Database registration number: MAAA0015963	
Section 2b: SARS Tax Compliance Status PIN: 9277357417	
Section 3: cidb registration number, if any: NOT APPLICABLE	
Section 4: Particulars of sole proprietors and partners in partnerships NOT APPLICABLE * *Complete only if sole proprietor or partnership and attach separate page if more than 3 partners*	
Section 5: Particulars of companies and close corporations Company registration number 1977/003711/07 Close corporation number NOT APPLICABLE Tax reference number 9570106642	
Section 6: Foreign Bidding Suppliers Is tenderer the accredited representative in South Africa for the Goods / Services / Works offered?	☒ Yes ☐ No If yes, enclose proof PLEASE FIND ENCLOSED IN VOLUME 2
Is tenderer a foreign based supplier for the Goods / Services / Works offered?	☐ Yes ☒ No If yes, answer the Questionnaire to Bidding Foreign Suppliers (below)
Questionnaire to Bidding Foreign Suppliers	NOT APPLICABLE
a) Is the tenderer a resident of the Republic of South Africa or an entity registered in South Africa?	☐ Yes ☐ No
b) Is the tenderer a resident of the Republic of South Africa or an entity registered in South Africa?	☐ Yes ☐ No
c) Does the tenderer have a permanent establishment in the Republic of South Africa?	☐ Yes ☐ No
d) Does the tenderer have any source of income in the Republic of South Africa?	☐ Yes ☐ No
e) Is the tenderer liable in the Republic of South Africa for any form of taxation?	☐ Yes ☐ No

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:
i)authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004 or Database of Restricted Suppliers;
iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

SIGNED ON BEHALF OF TENDERER: [redacted] .....

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 2: CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

I, the undersigned, in submitting this tender for **Contract No. 308C/2024/25: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS**

in response to the invitation for the tender made by the City of Cape Town, do hereby make the following statements that I certify to be true and complete in every respect:

I certify. on behalf of: ZUTARI (PTY) LTD that:

(Name of Tenderer)

1. I have read and I understand the contents of this Certificate;
2. I understand that this tender will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the tenderer to sign this Certificate, and to submit this tender on behalf of the tenderer;
4. Each person whose signature appears on this tender has been authorized by the tenderer to determine the terms of, and to sign, the tender, on behalf of the tenderer;
5. For the purposes of this Certificate and this tender, I understand that the word "competitor" shall include any individual or organization, other than the tenderer whether or not affiliated with the tenderer, who:
   (a) has been requested to submit a tender in response to this invitation to tender;
   (b) could potentially submit a tender in response to this invitation to tender, based on their qualifications, abilities or experience; and
   (c) provides the same goods and services as the tenderer and/or is in the same line of business as the tenderer;
6. The tenderer has arrived at this tender independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium[1] will not be construed as collusive tendering;
7. In particular, without limiting the generality of paragraph 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
   (a)prices;
   (b)geographical area where product or service will be rendered (market allocation);
   (c) methods, factors or formulas used to calculate prices;
   (d)the intention or decision to submit or not to submit a tender;
   (e)the submission of a tender which does not meet the specifications and conditions of the tender; or
   (f)tendering with the intention not to win the tender;

[1]Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

[redacted]

8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this invitation to tender relates;
9. The terms of this tender have not been, and will not be, disclosed by the tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening or of the awarding of the contract;
10. I am aware that , in addition and without prejudice to any other remedy provided to combat any restrictive practices related to tenders and contracts, tenders that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004 or any other applicable legislation.

[redacted]

2025-08-07
Date

[redacted]
Name

TECHNICAL DIRECTOR: WATER AFRICA
Position

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 3: CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This returnable schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in joint venture and hereby authorize Mr/Ms ...., authorised signatory of the company, close corporation or partnership ...., acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner	NOT APPLICABLE	Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....
		Signature..... Name..... Designation .....
		Signature..... Name..... Designation.....

Note :

A copy of the Joint Venture Agreement, showing clearly the **percentage contribution of each partner** to the joint venture, shall be appended to this schedule.

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 4: DECLARATION OF TENDERER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES (MBD8)

Where the entity tendering is a joint venture, each party to the joint venture must sign a declaration in terms of the Municipal Finance Management Act, 56 of 2003, and attach it to this schedule.

1 **The tender offer of any tenderer may be rejected if that tenderer or any of its directors/members have:**

a) abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
b) been convicted for fraud or corruption during the past five years;
c) willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
d) been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).

2 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
2.1	Is the Tenderer or any of its directors listed on the National Treasury's Database of Restricted Suppliers as a company or person prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the *audi alteram partem* rule was applied). **The Database of Restricted Suppliers now resides on the National Treasury's website www.treasury.gov.za and can be accessed by clicking on its link at the bottom of the home page.**	Yes ☐	No ☒
21.1	If so, furnish particulars: NOT APPLICABLE		
2.2	Is the Tenderer or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act, 12 of 2004? **The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.**	Yes ☐	No ☒
2.2.1	If so, furnish particulars: NOT APPLICABLE		
2.3	Was the Tenderer or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☒
2.3.1	If so, furnish particulars: NOT APPLICABLE		
2.4	Does the Tenderer or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes ☐	No ☒
2.4.1	If so, furnish particulars: NOT APPLICABLE		
2.5	Was any contract between the Tenderer and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☒
2.5.1	If so, furnish particulars: NOT APPLICABLE		

I, [redacted], the undersigned,
(full name in block letters)

certify that the information furnished on this declaration form is true and correct, and accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

[redacted]
Signature

TECHNICAL DIRECTOR
Position WATER AFRICA

2025-08-07
Date

ZUTARI (PTY) LTD
Name of Tenderer/Contractor

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 5: DECLARATION OF INTEREST – STATE EMPLOYEES (MBD 4)

1. No bid will be accepted from:
   - 1.1 persons in the service of the state[1], or
   - 1.2 if the person is not a natural person, of which any director, manager or principal shareholder or stakeholder is in the service of the state, or
   - 1.3 from persons, or entities of which any director, manager or principal shareholder or stakeholder, has been in the service of the City of Cape Town during the previous twelve (12) months, or
   - 1.4 from an entity who has employed a former City employee who was at a level of T14 of higher at the time of leaving the City's employ and involved in any of the City's bid committees for the bid submitted, if:
     - 1.4.1 the City employee left the City's employment voluntarily, during the previous twelve (12) months;
   - 1.5 a person who was a City employee, or an entity that employs a City employee, if
     - 1.5.1 the City employee left the City's employment whilst under investigation for alleged misconduct, or
     - 1.5.2 was facing disciplinary action or potential disciplinary action by the City, or
     - 1.5.3 was involved in a dispute against the City during the previous thirty six (36) months.

2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the tenderer or their authorised representative declare their position in relation to the evaluating/adjudicating authority.

3 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

3.1 Full Name of tenderer or his or her representative:.....[redacted]

3.2 Identity Number: .....[redacted].....

3.3 Position occupied in the Company (director, trustee, shareholder[2]):..... TECHNICAL DIRECTOR: WATER AFRICA

3.4 Company or Close Corporation Registration Number: 1977/003711/07

3.5 Tax Reference Number:.....[redacted].....

3.6 VAT Registration Number:[redacted].....

3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.

3.8 Are you presently in the service of the state? **YES / (NO)**

3.8.1 If yes, furnish particulars. ..... NOT APPLICABLE .....

.....

3.9 Have you been in the service of the state for the past twelve months? **YES (NO)**

3.9.1 If yes, furnish particulars

.....

NOT APPLICABLE

.....

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? **YES / (NO)**

3.10.1 If yes, furnish particulars.

NOT APPLICABLE

3.11 Are you, aware of any relationship (family, friend, other) between any other supplier and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? YES (NO)

3.11.1 If yes, furnish particulars

NOT APPLICABLE

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? YES (NO)

3.12.1 If yes, furnish particulars ALTHOUGH WE SAID NO, PLEASE REFER TO THE DECLARATION IN VOLUME 2

3.13 Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? YES (NO)

3.13.1 If yes, furnish particulars.

NOT APPLICABLE

13.4 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract? YES (NO)

3.14.1 If yes, furnish particulars: ALTHOUGH WE HAVE NOTHING TO DECLARE REGARDING THE ZUTARI BOARD OF DIRECTORS INTERESTS IN OTHER COMPANIES, WE HAVE DISCLOSED THESE INTERESTS IN VOLUME 2.

3.15 Have you, or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company been in the service of the City of Cape Town in the past twelve months? YES (NO)

3.15.1 If yes, furnish particulars NOT APPLICABLE

3.16 Do you have any employees who was in the service of the City of Cape Town at a level of T14 or higher at the time they left the employ of the City, and who was involved in any of the City's bid committees for this bid? YES (NO)

3.16.1 If yes, furnish particulars NOT APPLICABLE

4. Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	State Employee Number
PLEASE REFER TO THE ATTACHED LIST OF BOARD OF DIRECTORS, OUR ORGANIZATIONAL STRUCTURE, DETAILING OUR OWNERSHIP, AS WELL AS THE LIST OF BENEFICIARIES OF THE ZUTARI OWNERSHIP TRUST (THE ULTIMATE BENEFICIARIES) IN VOLUME 2.		

If the above table does not sufficient to provide the details of all directors / trustees / shareholders, please append full details to the tender submission.

The tenderer hereby certifies that the information set out in this schedule and/or attached thereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the employer of any other remedies available to it

Sign [redacted]

2025-08-07
Date

[redacted]
Name (PRINT)
(For and on behalf of the tenderer, duly authorised)

[1]MSCM Regulations: "in the service of the state" means to be –

(a) a member of –
(i) any municipal council;
(ii) any provincial legislature; or
(iii) the national Assembly or the national Council of provinces;

(b) a member of the board of directors of any municipal entity;
(c) an official of any municipality or municipal entity;
(d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
(e) an executive member of the accounting authority of any national or provincial public entity; or
(f) an employee of Parliament or a provincial legislature.

[2] Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 6: CONFLICT OF INTEREST

1. The tenderer shall declare whether it has any conflict of interest in the transaction for which the tender is submitted. **(Please mark with X)**

YES		NO	X

1.1 If yes, the tenderer is required to set out the particulars in the table below:

NOT APPLICABLE

2. The tenderer shall declare whether it has directly or through a representative or intermediary promised, offered or granted:

2.1 Any inducement or reward to the CCT for or in connection with the award of this contract; or

2.2 Any reward, gift, favour or hospitality to any official or any other role player involved in the implementation of the supply chain management policy. **(Please mark with X)**

YES		NO	X

If yes, the tenderer is required to set out the particulars in the table below:

NOT APPLICABLE

Should the tenderer be aware of any corrupt or fraudulent transactions relating to the procurement process of the CCT, please contact the following:

The CCT's anti-corruption hotline at 0800 32 31 30 (toll free)

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the CCT of any other remedies available to it.

[redacted]

Signature
Print name: [redacted]
On behalf of the tenderer (duly authorised)

2025-08-07

Date

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 7: AUTHORISATION FOR THE DEDUCTION OF OUTSTANDING AMOUNTS OWED TO THE CITY OF CAPE TOWN

To: **THE CITY MANAGER, CITY OF CAPE TOWN**

From: ZUTARI (PTY) LTD
(Name of tenderer)

The tenderer:

a) hereby acknowledges that according to SCM Regulation 38(1)(d)(i) the City Manager may reject the tender of the tenderer if any municipal rates and taxes or municipal service charges owed by the tenderer (or any of its directors/members/partners) to the CCT, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months; and

b) therefore hereby agrees and authorises the CCT to deduct the full amount outstanding by the Tenderer or any of its directors/members/partners from any payment due to the tenderer; and

c) confirms the information as set out in the tables below for the purpose of giving effect to b) above;

d) The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract and/or steps in terms of abuse of the Supply Chain Management Policy.

e)

Physical **Business** address of the Tenderer	Municipal Account number(s)
[redacted]	

If there is not enough space for all the names, please attach the additional details to the Tender Document

Name of Director / Member / Partner	Identity Number	Physical **residential** address of Director / Member / Partner	Municipal Account number(s)
[redacted]		PLEASE REFER TO VOLUME 2 FOR DETAILS OF ADDRESSES AND MUNICIPAL ACCOUNTS	[redacted]

Signature
Print name: [redacted]
On behalf of the tenderer (duly authorised)

2025-09-09
Date

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 8: DECLARATION IN RESPECT OF COMPLIANCE WITH LABOUR LEGISLATION

Declaration in respect of labour legislation

The tenderer, by signing this schedule, declares that it will comply with all labour legislation, as may be applicable.

SIGNED ON BEHALF OF TENDERER [redacted] .....

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 9: CONFIRMATION OF CITY OF CAPE TOWN SUPPLIER DATABASE REGISTRATION

CITY OF CAPE TOWN SUPPLIER DATABASE REGISTRATION		
COMPANY NAME	REGISTERED YES/NO	REGISTRATION NUMBER IF APPLICABLE
ZUTARI (PTY) LTD	YES	20378

SIGNED ON BEHALF OF TENDERER [redacted] .....

[redacted]

SCHEDULE 10: CONSULTANCY SERVICES PROVIDED TO ORGANS OF STATE

The tenderer shall indicate on the schedule below particulars of all consultancy services provided to organs of state by all offices country wide in the last five years. Tenderers shall also indicate, by means of a cross (x) in the last column, which, if any, of the services listed are of a similar nature, to those being tendered for in terms of this tender.

Where the entity tendering is a joint venture, the particulars of services provided to organs of state by each party to the joint venture, must be submitted as part of this schedule (additional pages may be added if necessary).

CONSULTANCY SERVICES PROVIDED TO ORGANS OF STATE				
TITLE OF PROJECT	VALUE OF CONTRACT	EMPLOYER	DATE COMPLETED	SIMILAR SERVICE
PLEASE TURN OVERLEAF FOR LIST OF PROJECTS SPECIFIC TO WATER, SEE VOLUME 2 of 2, Schedule 10 Appendix for a complete list of all consultancy services provided to organs of state by Zutari				

SIGNED ON BEHALF OF TENDERER:... [redacted] .....

CONSULTANCY SERVICES PROVIDED TO ORGANS OF STATE					
TITLE OF PROJECT	VALUE OF CONTRACT	EMPLOYER	DATE COMPLETED	SIMILAR SERVICE	
A91606 | Professional Services for the Amanzimtoti Bulk Sewage Scheme	R37,102,990.00	eThekwini Municipality: Water & Sanitation	current project	Sanitary Sewers Pumping Stations-Sewage	X
Capacity extension and upgrade of Mitchells Plain Wastewater Treatment Works	R19,333,648.16	City of Cape Town Water &Sanitation	current project	Wastewater Treatment Facilities	X
Olifants Management Model Programme Water Treatment Works design for Phase 2B and 2F	R18,132,004.79	Lebalelo Water User Association	2025-07-30	Water Treatment & Desalination Facilities Pipelines-Water	X
Tembisa Urban Renewal Programme	R17,866,355.00	City of Ekurhuleni Metropolitan Municipality	2019-08-31	Commercial Offices, Residential Buildings, Recreational Facilities	
Feasibility study for Xhariep pipeline	R17,767,788.16	Department of Water &Sanitation RSA	current project	Pipelines-Water	X
Feasibility update and concept design for Pearden Eiland desalination plant	R16,826,796.28	City of Cape Town Water &Sanitation	current project	Water Treatment & Desalination Facilities	X
Rehabilitation and upgrade study for Steenbras DN760 pipeline	R16,192,644.09	City of Cape Town Water &Sanitation	current project	Pipelines-Water	X
Upgrade of Isipingo wastewater treatment works	R11,882,595.69	Ethekwini Municipality	current project	Wastewater Treatment Facilities	X
CONTRACT 194C/2020/21 : BW-WP121 Blackheath Upper Reservoir	R10,609,895.00	City of Cape Town Water &Sanitation	current project	Reservoirs & Towers	X
Water resource and infrastructure optimisation study for City of Cape Town	R9,887,973.77	City of Cape Town Water &Sanitation	2025-06-30	Civil Structures, Water Treatment & Desalination Facilities	X
Land-based treatment marine outfalls	R9,751,868.50	City of Cape Town Water &Sanitation	current project	Marine & Port Facilities, Wastewater Treatment Facilities, Water Treatment & Desalination Facilities	X
Construction supervision for Voëlvlei high lift pump station (HLPS)	R4,502,784.69	City of Cape Town Water &Sanitation	2025-05-30	Pumping Stations-Water	X
Refurbishment study for Wemmershoek Water Treatment Plant (WTP)	R3,782,184.49	City of Cape Town Water &Sanitation	current project	Water Treatment & Desalination Facilities	X
Upgrade of Natures Valley Water Treatment Works	R3,636,980.60	Bitou Municipality	current project	Water Treatment & Desalination Facilities	X
Water reuse strategic study	R3,600,047.05	City of Cape Town Water &Sanitation	2024-06-30	Water Treatment & Desalination Facilities	X
Dam Safety Evaluation and Spillway Type Options Analysis for Wemmershoek Dam	R2,537,696.12	City of Cape Town Water &Sanitation	current project	Dams	
Development of a water demand estimation model for the City of Cape Town	R2,096,070.00	City of Cape Town Water &Sanitation	2023-08-18	Pipelines-WaterPumping Stations-Sewage, Pumping Stations-Water	X
Table Mountain dams anchor cable testing and dam safety evaluation	R1,926,447.41	City of Cape Town Water &Sanitation	current project	Dams	
Sebokeng WWTW - Module 7	R1,746,649.51	Department of Water &Sanitation RSA	current project	Wastewater Treatment Facilities	X
Kouga Municipality Loerie WWTW Upgrade	R1,494,246.25	Kouga Local Municipality	current project	Wastewater Treatment Facilities	X
Tygerberg Reservoir pressure control station and meter chamber designs	R1,264,216.37	City of Cape Town Water &Sanitation	2024-06-28	Civil Structures, Reservoirs & Towers, Pipelines-Water	
Komati Dam Safety Evaluations	R1,084,402.00	Eskom Holdings SOC Limited	2022-09-30	Dams	
Refurbishment of Plettenberg Bay Water Treatment Works	R1,063,132.40	Bitou Municipality	2025-07-10	Wastewater Treatment Facilities, Pumping Stations-Water, Pipelines-Water	X
Safety evaluations for six dams/reservoirs	R1,045,773.40	City of Cape Town	current project	Dams Reservoirs & Towers	
Kruisvallei Dam	R850,000.00	Municipality of Knysna	2022-06-30	Dams	
Still Bay wastewater treatment works (WWTW)	R686,729.00	Hessequa Local Municipality	2022-12-30	Wastewater Treatment Facilities	X
Gouritzmond WWTW	R576,946.00	Hessequa Local Municipality	2022-10-30	Wastewater Treatment Facilities	X
Drakenstein Dam safeties (child)	R575,160.00	Municipality of Drakenstein	2025-02-28	Dams	
Witzands medium-voltage pump station feasibility of backup power solution	R548,143.67	City of Cape Town Water &Sanitation	2024-09-30	Pumping Stations-Water	X
Structural inspection tool and reporting	R535,909.65	City of Cape Town Water &Sanitation	2024-06-30	Reservoirs & Towers, Dams, Civil Structures	X
Internal structural inspection of Platekloof Reservoir	R398,172.09	City of Cape Town Water &Sanitation	2024-07-31	Reservoirs & Towers	
Hermanus WWTW clarifier flow balance investigation	R270,000.00	Municipality of Overstrand	2021-06-30	Wastewater Treatment Facilities	X
Upgrading of Sedgefield Reverse Osmosis Plant	R250,859.00	Municipality of Knysna	2022-11-30	Civil Structures, Water Treatment & Desalination Facilities	X
Voorberg Prison dam safety evaluations	R195,935.00	WC PG Dept Transp&PubWorks TB	2021-05-10	Dams	
Dam safety evaluation of the Swart River Dam	R56,100.00	Municipality of George	2021-06-30	Dams	
Markels Cottage Environmental Assessment and Maintenance Management Plan	R0.00	City of Cape Town	2025-02-03	Pipelines-Water	

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 11: SCHEDULE OF WORK EXPERIENCE OF TENDERER

The tenderer shall insert in the spaces provided below, a list of all projects (the analysis and design of new and remedial works) that have been successfully completed by the tenderer in the past 15 years, or that are underway at present.

Description
Criteria 1: Water Treatment Plant projects with capacity of 10 Ml/day or greater that have been completed in the past 15 years or that are under construction at the time of tender closing.
Criteria 2: Wastewater Treatment Plant projects with MBR components with capacity of 10 Ml/d or greater that have been completed in the past 15 years or that are under construction at the time of tender closing.
Criteria 3: Water Reuse/Reclamation Plant Projects with capacity of 10 Ml/d or greater that have been completed in the past 15 years or that are in Detail Design Phase (ECSA stage 3).
Criteria 4: Contracts management of either, design & build contract (D&B), design, build & operate (DOB) contracts or public-private partnership (PPP) contracts with a total cost of R100 million and/or more

For each completed project listed in the table below, the tenderer must submit proof, in the form of a Completion Certificate, reference letter to be obtained from the respective Employer, or an affidavit that includes proof of completed project (e.g. a final invoice, signed contract document, close-out report etc.)

The information presented in this returnable schedule shall be used to evaluate the functionality criteria detailed in Clause C.2.1.4.4 of the Tender Data. Tenderers are required to provide specific details regarding the nature of work for each project listed for the specific Criteria above.

Note

Where the entity tendering is a joint venture a score for track record will be awarded to each party to the joint venture, which will then be combined in proportion to the percentage contribution of each party to the joint venture.

a) If one reference project complies with all three of the above criteria, then it must be listed under **all four criteria separately.**

b) For Criteria 4, the total cost must be expressed in current (2025) rand value. To allow for the time value of monetary inflation, project construction values must be escalated at 4% per annum from the year of completion, compounded annually. Detailed calculations must be submitted to show how escalation was applied. Only projects 15 years prior to tender closing date will be considered. Tenderers are to supply documentary evidence of award values for e.g. a BAC resolution or award letter.

c) The term Water Reuse/Reclamation refers to the treatment of treated wastewater through an advanced water purification plant to produce **potable/drinking water.**

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

[redacted]

SCHEDULE 11A

Criteria 1	Water Treatment Plant projects with capacity of 10 Ml/day or greater that have been completed in the past 15 years or that are under construction at the time of tender closing.									
Project	**Client (Name, Tel No and Email)**	**Project Name**	**Contract No/Tender No.**	**Description of Work**	**Size of Water Treatment Plant (Ml/day)**	**Value of Work (R)**	**Start Date**	**Completion Date**	**Evidence Attached**	
1									Y	N
2									Y	N
3				SEE FOLLOWING 4 PAGES. EVIDENCE PROVIDED IN VOLUME 2					Y	N
4									Y	N

Number of sheets appended by the tenderer to this Schedule ..... 2 ..... (If nil, enter NIL). (SEE overleaf)

SIGNED ON BEHALF OF TENDERER: .....[redacted].....

[redacted]

[redacted]

SCHEDULE 11A

Criteria 1	Water Treatment Plant projects with capacity of 10ML/day or greater that have been completed in the past 15 years or that are under construction at the time of tender closing.									
Project	**Client (Name, Tel No and Email)**	**Project Name**	**Contract No/Tender No.**	**Description of Work**	**Size of Water Treatment Plant (Ml/day)**	**Value of Work (R)**	**Start Date**	**Completion Date**	**Evidence Attached**	
1	Nelson Mandela Bay Municipality [redacted]	Coega Kop WTP	SCM/19-74/C/2018-2019	Professional services for the development of a groundwater supply scheme to supplement supply to Port Elizabeth. Water is sourced from a deep-water aquifer, and is rich in iron and manganese, soft, acidic and aggressive. The project included drilling and equipping of boreholes, various pipelines, and a 20 ML/d biofiltration plant for iron and manganese removal. Zutari (previously Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, commissioning and arranging regulatory approvals.	20	R355 million	2017 (For WTP portion)	June 2025	Y	N
2	Overstrand Local Municipality [redacted]	Refurbishment and Upgrade of Preekstoel WTW	SC091/2007	Professional services for the upgrading of the 28 ML/d Preekstoel Water Treatment Works in Hermanus. The plant treats organically coloured surface water and could not meet the design capacity, and much of the equipment had deteriorated with age. All mechanical and electrical equipment and controls were replaced and modernised. The rapid gravity sand filters were gutted and re-equipped to enhance the performance via improved design, taking account of technology developments for this process. In addition, a **new 10 ML/d biofiltration plant** for iron and manganese removal to treat the water from a series of well-fields was added, the associated boreholes were equipped, and a supply pipeline from these was provided. This is the first plant to employ this technology in South Africa, and has received a number of engineering excellence awards. Zutari (then Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning.	38 (10M/d additional Biofiltration plant constructed)	R75,9million (Construction Value)	14 October 2009	30 July 2015	Y	N
3	Rand Water [redacted]	Zulkerbosch WTW: Filter House 28	RW0025/07	Rand Water treats and supplies an average of over 3 500 ML/d of bulk potable water to more than 11 million people in in the commercial and industrial heartland of South Africa. Zutari was appointed to provide the professional services for a new 250 ML/d rapid gravity sand filtration plant to extend the 3 500 ML/d capacity of the existing Zulkerbosch WTW. The large filters, each with a nominal capacity of 20,8 ML/d, are designed with enhanced collapse-pulsing-type backwashing to improve over-all performance and efficiency, are equipped with comprehensive on-line instrumentation, and are fully automated. Zutari (then Aurecon, and previously Ninham Shand) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning.	250	R218million (Construction value as at June 2017) Civil Works: R128 million (as at June 2017) M&E Works: R90 million (as at October 2019)	1 August 2008	30 November 2019	Y	N
4	Municipality of Drakenstein [redacted]	Welvanpas WTW	CES11/2014	Drakenstein Municipality appointed Zutari to provide the professional services for a new 10Ml/d potable water treatment plant to supplement the water supply to Paarl and Wellington. The plant was designed to be readily upgradeable to 20 ML/d in the future. Zutari (then Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning.	10	R57million (Construction Value)	1 April 2012	31 December 2023	Y	N

Criteria 1	Water Treatment Plant projects with capacity of 10ML/day or greater that have been completed in the past 15 years or that are under construction at the time of tender closing.									
5	Umgeni Water Now Umgeni-uThukela Water (UUW) [redacted]	Lower Thukela WTW	2013/108 and 2012/032	Umgeni Water commissioned Zutari for the feasibility study and then the project management, design and preparation of contract documentation for all components of the Lower Thukela Water Supply Scheme. These include construction of two access roads; an 8 m-high concrete portal weir across the Tugela River; an in-stream abstraction works equipped with fish ladder, various boulder and gravel traps, and pump station; a water treatment works incorporating hydro-cyclones, clariflocculators, pulsators, rapid gravity sand filtration, sludge handling via gravity thickeners and centrifuging, chemical dosing facilities (for coagulation, pH control, taste and odour control via powdered activated carbon, iron and manganese oxidation with potassium permanganate, chlorination, ammonia dosing, and final stabilisation with soda ash); a high-rise pump station equipped with 2 MW pumps; a 3 km rising main and 30 Ml command reservoir as well as a 30 km, 900 mm diameter gravity main. The water treatment works is nominally sized at 55 ML/d, upgradeable to 110 ML/d, with all common facilities designed for the future ultimate capacity. Zutari (then Aurecon) was responsible for the full all engineering and support services including planning, design, documentation, and procurement. Zutari also undertook the contract administration in the early phase before handing this over to others in accordance with the contractual agreement. Zutari provided design and other support throughout construction.	55 (some components at 110 ML/d in preparation for future upgrade)	R565million (Construction value, excluding abstraction works) R345mil for civil works R220mil for M&E works	2011	2016	Y	N

Number of sheets appended by the tenderer to this Schedule 2 (if nil, enter NIL) (including plans are)

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

[redacted]

DULE 11B

Criteria 2	Wastewater Treatment Plant projects with MBR components with capacity of 10 Ml/d or greater that have been completed in the past 15 years or that are under construction at the time of tender closing.									
Project	**Client (Name, Tel No and Email)**	**Project Name**	**Contract No/Tender No.**	**Description of Work**	**Size of Water Treatment Plant (Ml/day)**	**Value of Work (R)**	**Start Date**	**Completion Date**	**Evidence Attached**	
1									Y	N
2				SEE FOLLOWING 4 PAGES EVIDENCE IN VOLUME 2					Y	N
3									Y	N
4									Y	N

Number of sheets appended by the tenderer to this Schedule ..1.. (If nil, enter NIL). (SEE OVERLEAF)

SIGNED ON BEHALF OF TENDERER [redacted] .....

SCHEDULE 11B

Criteria 2	Wastewater Treatment Plant projects with MBR components with capacity of 10Ml/d or greater that have been completed in the past 15 years or that are under construction at the time of tender closing									
Project	**Client (Name, Tel No and Email)**	**Project Name**	**Contract No/Tender No.**	**Description of Work**	**Size of Water Treatment Plant (Ml/day)**	**Value of Work (R)**	**Start Date**	**Completion Date**	**Evidence Attached**	
1	City of Cape Town [redacted]	Upgrade of Zandvliet Wastewater Treatment Works (WWTW)	WWT07/36	The professional services for the upgrading, refurbishment, and capacity extension of Zandvliet wastewater treatment works (WWTW). The refurbishment included the Maccassar pump station, and the Black-Mac screening station and pipeline. The project entailed upgrading of the existing plant (rated at 72 ML/d but only able to handle ~ 54 ML/d) to 90 ML/d, with certain elements designed for the future 150 ML/d capacity. The infrastructure includes a new membrane biological reactor (MBR) plant (18 ML/d at n+1, 27 ML/d at n); re-equipping the existing 18ML/d MBR plant; alleviation of bottleneck problems in the existing conventional activated sludge plant; a new 150 ML/d inlet works, Archimedean screw pump stations, primary settling tanks, and sludge dewatering facilities. Zutari (previously Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning.	90	R1.4billion (Construction value)	2014	2025	Y	N
2	Stellenbosch Municipality [redacted]	Upgrading of Stellenbosch wastewater treatment works (WWTW): Phase 1 and 2	B/SM 4/15	The professional services for the refurbishment and upgrading of the existing 20 ML/day Stellenbosch Wastewater Treatment Works and conversion to a full biological nutrient removal plant utilising MBR technology with a capacity of 35 ML/day. The scope of infrastructure includes a new Inlet Works, MBR reactor (27 ML/day without PSTs in operation and 38 ML/day with PSTs), Machine Building, sludge thickening (DAF units), Aerobic Digester, Dewatering Building (Belt presses). New Administration Building, upgrade of existing plant to full BNR treatment (8 ML/day without PSTs and 10.5 ML/day with PSTs), UV Closed Vessel disinfection for existing plant and general civil works. The extended WWTW has been designed for a current ADWF of 35 ML/day but also designed such that with only the addition of PSTs and primary sludge treatment facilities (stabilisation process only) in future, the AWDF capacity can be increased to 48.5 ML/day. Zutari (then Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning.	35	R450million (Construction value)	2010	Phase 1: December 2017 Phase 2: February 2019	Y	N
3	Swartland Municipality [redacted]	Upgrade of Malmesbury WWTW		The professional services for the refurbishment and upgrading of the Malmesbury WWTW, which treats domestic and industrial wastewater from the town of Malmesbury. A new 10ML/day membrane biological reactor (MBR) was provided, along with a new inlet works, aerobic sludge digestor, sludge dewatering plant, and other facilities. The existing oxidation ditch bioreactor and associated clarifiers were incorporated into the new plant via new recycle flows to ensure optimum use of the existing infrastructure. Zutari (previously Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning. Zutari (then Aurecon, and previously Ninham Shand) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning.	15.4	R114million (Construction value)	2005	October 2014	Y	N

Number of sheets appended by the tenderer to this Schedule 1 (If nil, enter NIL) (including this one)

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

[redacted]

ULE 11C

Criteria 3	Water Reuse/Reclamation Plant Projects with capacity of 10 Ml/d or greater that have been completed in the past 15 years or that are in Detail Design Phase (ECSA stage 3).									
Project	**Client (Name, Tel No and Email)**	**Project Name**	**Contract No/Tender No.**	**Description of Work**	**Size of Water Treatment Plant (Ml/day)**	**Value of Work (R)**	**Start Date**	**Completion Date**	**Evidence Attached**	
1									Y	N
2				SEE FOLLOWING PAGE EVIDENCE PROVIDED IN VOLUME 2					Y	N
3									Y	N
4									Y	N

Number of sheets appended by the tenderer to this Schedule .....1..... (If nil, enter NIL). (SEE ATTACHED)

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

SCHEDULE 11C

Criteria 3	Water Reuse/Reclamation Plant Projects with capacity of 10Ml/d or greater that have been completed in the past 15 years or that are in Detail Design Phase (ECSA stage 3)									
Project	**Client (Name, Tel No and Email)**	**Project Name**	**Contract No/Tender No.**	**Description of Work**	**Size of Water Treatment Plant (Ml/day)**	**Value of Work (R)**	**Start Date**	**Completion Date**	**Evidence Attached**	
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. The AWPP has been designed for an initial capacity of 70 ML/d, with certain components sized 100 ML/d to accommodate a future expansion. The AWPP includes tertiary biofiltration for nitrate polishing, ozonation, bromate suppression, biological activated carbon filtration, granular activated carbon filtration, ultrafiltration, ultraviolet light advanced oxidation, and chlorination. Zutari is responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, and arranging regulatory approvals. Zutari is also responsible for assistance with a comprehensive public engagement campaign, guidance and support to City and Water Research Committee for the establishment and running of an independent advisory panel, and Transaction Advisory services for the potential implementation of the project via a Public-Private Partnership. In addition, Zutari guided the concept design of a 10 ML/d Demonstration Plant, lead the associated hazard analysis and critical control point (HACCP) assessment, and guided the validation testing and commissioning of this plant. The detail design for the scheme is near complete.	70	R3.2 billion (Anticipated construction value)	October 2017	September 2026 (Termination date for 194C framework contract)	Y	N
2	City of Cape Town [redacted]	Cape Flats Aquifer Management Scheme (CFAMS)	194C/2020/21	The City of Cape Town is developing the Cape Flats Aquifer as a sustainable ground water abstraction scheme to augment and diversify its water supply sources and improve resilience against droughts. The project is an indirect potable reuse scheme that entails replenishing the aquifer with purified recycled wastewater (40 ML/d), abstraction via clusters of boreholes, and further treatment at three new advanced water purification plants (AWPP) totalling a capacity of ~ 50 ML/d, before injection into the existing bulk network. Zutari was appointed to provide professional services for the ground water modelling, well-field infrastructure, the three AWPPs, and injection into the bulk water network. Zutari is responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, commissioning, and arranging regulatory approvals. The project is being undertaken in phases/sub-projects with high-level progress as follows: *Wellfield Infrastructure*: Design and construction at varying level of completion depending on area. *Steenfontein AWPP* (5 ML/d): Construction and commissioning (design and construction were mostly complete when Zutari was appointed). *Philippi AWPP* (10 ML/d): Civil Works under construction, Mechanical and Electrical Works detailed design and documentation near complete. *Mitchell's Plain AWPP* (38 ML/d): Concept design.	10	R655million (anticipated construction value)	October 2021	September 2026 (When current framework appointment will terminate)	Y	N

Number of sheets appended by the tenderer to this Schedule 1 (If nil, enter NIL) (including this one)

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

[redacted]

HEDULE 11D

eria 4	**Contracts management of either, design & build contract (D&B), design, build & operate (DOB) contracts or public-private partnership (PPP) contracts with a total cost of R100 million and/or more**

Project	Client (Name, Tel No and Email)	Project Name	Contract No/Tender No.	Description of Work	Type of Contract (D&B, DOB or PPP)	Value of Work (R) Base Date: 2025	Start Date	Completion Date	Evidence Attached	
1									Y	N
2				SEE FOLLOWING PAGE, IN COLUMN 2 EVIDENCE					Y	N
3									Y	N
4									Y	N

Number of sheets appended by the tenderer to this Schedule ..... 2 ..... (If nil, enter NIL). (SEE OVERLEAF)

SIGNED ON BEHALF OF TENDERER: [redacted] .....

SCHEDULE 11D

Criteria 4	Contracts management of either design & build contract (D&B), design, build & operate (DOB) contracts or public-private partnership (PPP) contracts with a total cost of R100million and/or more									
Project	**Client (Name, Tel No and Email)**	**Project Name**	**Contract No/Tender No.**	**Description of Work**	**Size of Works (Ml/day)**	**Value of Work (R)**	**Start Date**	**Completion Date**	**Evidence Attached**	
1	Mangaung Metropolitan Municipality [redacted]	Design of the New Northeastern Wastewater Treatment Works (WWTW)	W0903A & B	The professional services for the new Northeastern Wastewater Treatment Works (WWTW), which was planned to alleviate pressure on the overloaded Bloemspruit Wastewater Treatment Works (WWTW), and to accommodate wastewater from anticipated nearby developments. The Northeastern WWTW was planned for a final capacity of 90 ML/day, implemented in four phases of 22.5 ML/day each. Construction of the first two phases has been completed. Zutari (previously Aurecon) was responsible for the full range of multi-disciplinary professional services, including concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning. The Mechanical and Electrical Works were implemented using the FIDIC Plant and Design-Build (D&B) Contract (FIDIC Yellow Book), 1999.	90	R407million (Total construction value) R162million (Mechanical and Electrical Works under D&B Contract)	February 2013	June 2018	Y	N
2	City of Cape Town [redacted]	Upgrade of Zandvliet Wastewater Treatment Works (WWTW)	179Q/2016/17 84Q/2016/17	The professional services for the upgrading, refurbishment, and capacity extension of Zandvliet Wastewater Treatment Works (WWTW). The refurbishment included the Maccassar pump station, and the Black-Mac screening station and pipeline. The project entailed upgrading of the existing plant (rated at 72 ML/d but only able to handle ~ 54 ML/d) to 90 ML/d, with certain elements designed for the future 150 ML/d capacity. The infrastructure includes a new membrane biological reactor (MBR) plant (18 ML/d at n+1, 27 ML/d at n); re-equipping the existing 18ML/d MBR plant; alleviation of bottleneck problems in the existing conventional activated sludge plant; a new 150 ML/d inlet works, Archimedean screw pump stations, primary setting tanks, and sludge dewatering facilities. Zutari (previously Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning. The Mechanical and Electrical Works were implemented using the FIDIC Plant and Design-Build (D&B) Contract (FIDIC Yellow Book), 1999.	90	R1.4billion (Total construction value) R340million (85Q Inlet Works under D&B Contract) R640million (178Q MBR and other Mechanical and Electrical Works under D&B Contract	2014	2025	Y	N
3	Emfuleni Local Municipality [redacted]	Sebokeng Wastewater Treatment Works (WWTW)	8/2011	The professional services for the upgrading of the Sebokeng Wastewater Treatment Works (WWTW), which was overloaded and was inhibiting development in the region. The new infrastructure comprised a new inlet works (200 ML/day), a balancing tank, a primary setting tank, two 50 ML/d biological nutrient removal activated sludge units, clarifiers, disinfection facilities, and sludge handling facilities. Zutari (previously Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning The Mechanical and Electrical Works were implemented using the FIDIC Plant and Design-Build (D&B) Contract (FIDIC Yellow Book), 1999.	50	R755 million (Total construction value) R130 million (Mechanical Works under D&B Contract) R118 million (Electrical Works under D&B Contract)	2010	January 2020	Y	N
4	Nelson Mandela Bay Municipality [redacted]	Coega Kop WTP	SCM/19-74/C/2018-2019	Professional services for the development of a groundwater supply scheme to supplement supply to Port Elizabeth. Water is sourced from a deep-water aquifer, and is rich in iron and manganese, soft, acidic and aggressive. The project included drilling and equipping of boreholes, various pipelines, and a 20 ML/d biofiltration plant for iron and manganese removal. Zutari (previously Aurecon) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, commissioning and arranging regulatory approvals. The single construction contract was under the General Conditions of Contract for Construction Works, 2015, modified to a *Design-Build* (D&B) format for the Mechanical and Electrical Works by incorporation of applicable elements of the FIDIC Plant and Design-Build Contract (FIDIC Yellow Book), 1999 form of contract.	20	R355 million (Total construction value) Approximately R120 million (Mechanical and Electrical Works portion under D&B contract terms)	2017 (For WTP portion)	June 2025	Y	N

[redacted]

EDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

l Advisor

The Legal Advisor must demonstrate relevant experience in legal, institutional, governance, regulatory and transaction advisory services and understanding of broad local government governance matters and legislation, in particular:

- Section 120 and Section 33 of the Municipal Finance Management Act, Act 56 of 2003 (MFMA)
- MFMA Regulations (specifically the Supply Chain Management and Public Private Partnerships)
- Section 78 of the Municipal Systems Act, Act 32 of 2000 (MSA) and all processes relevant thereto
- Transaction Advisory Services (including PPPs)
- Public sector contracts, procurement and blended funding models for infrastructure development and service delivery
- Public sector governance and institutional arrangements performing legal quality assurance/ quality control on all bid documents and reports, preparing and draft PPP agreements and other contractual agreements.

Name:		**Years of Experience (Post Qualification):**	**Current Employer**
Qualification:		**Date of Qualification Obtained:**	
Professional Registration:		**Professional Registration No:**	

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1								
2								
3				SEE FOLLOWING PAGES SUPPORTING DOCUMENTS IN VOLUME 2				
4								

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Legal Advisor

The Legal Advisor must demonstrate relevant experience in legal, institutional, governance, regulatory and transaction advisory services and understanding of broad local government governance matters and legislation, in particular:

- Section 120 and Section 33 of the Municipal Finance Management Act, Act 56 of 2003 (MFMA)
- MFMA Regulations (specifically the Supply Chain Management and Public Private Partnerships)
- Section 78 of the Municipal Systems Act, Act 32 of 2000 (MSA) and all processes relevant thereto
- Transaction Advisory Services (including PPPs)
- Public sector contracts, procurement and blended funding models for infrastructure development and service delivery
- Public sector governance and institutional arrangements performing legal quality assurance/ quality control on all bid documents and reports, preparing and draft PPP agreements and other contractual agreements.

Name:	Karen Van Der Merwe	**Years of Experience (Post Qualification):**		**Current Employer**	Amber Public Sector Consulting (Pty) Ltd
Qualification:	Master of Philosophy in Development Finance (MPhil DevFin) Diploma in Advanced Banking Law LLB (Postgraduate) Bcomm Law	**Date of Qualification Obtained:**	2021 1998 1996 1994		
Professional Registration:	Legal Practice Council Admitted Attorney APMG Certified PPP Practitioner	**Professional Registration No:**	98177		

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The City of Cape Town wishes to construct a direct potable reuse plant treating water from the Zandvliet wastewater treatment works (WWTW) to a standard suitable for feeding the existing Faure water treatment works (WTW). Key inputs on the various regulatory aspects, specifically Section 120 and Section 33 of the MFMA Act and associated regulations, as well as Section 78 of the Municipal Systems Act.	Legal, institutional, and regulatory advisor	R3,2 billion	October 2017	September 2026 (When current framework appointment will terminate)
2	Development Bank of Southern Africa	Water Reuse Programme (WRP) as part of the Water Partnerships Programme (WPO)	N/A	Appointed by DBSA to design a national Water Reuse Programme (WRP) as part of the Water Partnerships Programme (WPO) that would enhance water security through the scale-up of water reuse approaches and infrastructure in municipalities; and to develop a full funding proposal to be submitted to the Green Climate Fund (GCF), to seek support from the GCF for the implementation of the WRP.	Legal, institutional, and regulatory advisor	N/A	2021	2023
3	Department of Water and Sanitation	National Water Regulator Commission	N/A	Advisor on the national Water Regulator Commission, established by the Minister of Water and Sanitation to strategically advise the Minister and Department on the economic regulation of the water sector and sector reform, including advising on the Water Services Amendment Bill	Advisor	N/A	2022	Ongoing

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) Attached

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

[redacted]

[redacted]

EDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

BBEE and Socio-Economic Specialist

e specialist must demonstrate minimum 5 (five) years' relevant experience in providing advisory services surrounding the legal and socio-economics systems that underpin the sourcing and purchasing of goods and services from SMMEs and businesses owned by historically disadvantaged individuals. These services are governed by inter alia:

- B-BBEE Act No.53 of 2003
- B-BBEE Amended Codes of Good Practice and Amended Sector Codes (specifically for the Construction Sector)
- MFMA Regulations (specifically the Supply Chain Management and Public Private Partnerships)
- Preferential Procurement Policy Framework Act
- Public sector procurement and preferential procurement policies and processes
- Best practice by public and private sector entities in socio-economic development

Name:			**Years of Experience (Post Qualification):**		**Current Employer**			
Qualification:			**Date of Qualification Obtained:**					
Professional Registration:			**Professional Registration No:**					
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL).

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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

B-BBEE and Socio-Economic Specialist

The specialist must demonstrate minimum 5 (five) years' relevant experience in providing advisory services surrounding the legal and socio-economics systems that underpin the sourcing and purchasing of goods and services from SMMEs and businesses owned by historically disadvantaged individuals. These services are governed by inter alia:

- B-BBEE Act No.53 of 2003
- B-BBEE Amended Codes of Good Practice and Amended Sector Codes (specifically for the Construction Sector)
- MFMA Regulations (specifically the Supply Chain Management and Public Private Partnerships)
- Preferential Procurement Policy Framework Act
- Public sector procurement and preferential procurement policies and processes
- Best practice by public and private sector entities in socio-economic development

Name:	Elsa Frylinck			**Years of Experience (Post Qualification):**	14	**Current Employer**	Black Swan Empowerment CC
Qualification:	LLM (Advanced Company Law) BAccLLB (Accounting and Law)			**Date of Qualification Obtained:**	2009 2006		
Professional Registration:	Admitted Attorney (April 2011)			**Professional Registration No:**	2011/033947/23		
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	Chemis-Tech SA (Pty) Ltd. [redacted]	Vopak Terminal Lesedi	N/A	Charter Implementation Plan for Socio-Economic Development of local communities in the Lesedi municipal district. The charter implementation plan included the following measurement indicators: Local Content, Job creation, Skills Development, Enterprise and Supplier Development and Socio-Economic Development.	Senior B-BBEE Consultant and project leader	R720,000	September 2017	September 2019
2	University of Cape Town [redacted]	University of Cape Town	N/A	B-BBEE Consultancy services that include the design of the B-BBEE strategy planning and implementation, procurement database management and B-BBEE verification facilitation services. B-BBEE Strategy Planning on All Elements of the BEE Scorecard Preferential Procurement Research, B-BBEE Database Monitoring and Reporting Advising on BEE Policy, Specifically Preferential Procurement Policies Enterprise and Supplier Development (ESD) Consultation	B-BBEE consultant and advisory services (Head/manager)	ongoing monthly retainer (currently R34 382/month)	Ongoing retainer	Ongoing retainer
3	University of Stellenbosch [redacted]	University of Stellenbosch	T60-2024, T70-2024 and T7-2025	B-BBEE Consultancy services that include the design of the B-BBEE strategy, planning and implementation, procurement data base management, as well as B-BBEE verification facilitation services. The creation, implementation, monitoring, evaluation and management of the Enterprise and Supplier Development strategy.	B-BBEE Consultant and advisory services (Head/manager)	R4million	1 May 2025	30 April 2030

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) (including NDS are)

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

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HEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Infrastructure Asset Management Specialist

He/she must have at least five (5) years verifiable experience and broader understanding of economics, financial and legal aspects of infrastructure projects within the local government environment and provide support to the lead financial specialist.
- Financial feasibility analyses, modelling and business planning
- Tariff design, modelling and review
- Sensitivity and scenario analyses
- Infrastructure asset management and lifecycle planning

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Infrastructure Asset Management Specialist

He/she must have at least five (5) years verifiable experience and broader understanding of economics, financial and legal aspects of infrastructure projects within the local government environment and provide support to the lead financial specialist.

- Financial feasibility analyses, modelling and business planning
- Tariff design, modelling and review
- Sensitivity and scenario analyses
- Infrastructure asset management and lifecycle planning

Name:	Roché Cronje		**Years of Experience (Post Qualification):**	13	**Current Employer**	Zutari	
Qualification:	BEng Civil Engineering Bachelor of Commerce in Financial Management		**Date of Qualification Obtained:**	2014 2023			
Professional Registration:	N/A		**Professional Registration No:**	N/A			

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. Responsible for the financial modelling and value assessment for the project, assessing the procurement through a Public Sector Comparator (PSC) Public Private Partnership (PPP) and Construction/Operation Maintenance contract (contracted operations). The assessment included the assessment and valuation of business risk for each of the options, financial modelling for both the baseline and risk adjusted cases and reporting consistent with the GTAC Municipal Service Delivery and PPP Guidelines. Undertook an analysis of tariff implications.	Asset Management Specialist	R3,2 billion	October 2017	September 2026 (When current framework appointment will terminate)
2	City of Cape Town [redacted]	Support to Business Planning Unit of CoCT	198C/2017/2018	Zutari supported the City of Cape Town's Business Planning Unit in developing long-term strategies, financial models, and operational improvements for a sustainable multi-modal transport system. Responsible for creating the long-term budget model for the Urban Mobility Directorate, compilation of procurement documentation, creation of a tariff model and methodology, reporting, strategy development, tariff setting, grant applications, operational budget planning, financing assessments and creation of key performance indicators for the monitoring of budgets and the annual update of all the above.	Asset Management Specialist	R261 million (contract value)	March 2023	Estimated completion December 2027
3	City of Cape Town [redacted]	Steenbras Pump Storage Main Plant Refurbishment	67C/2022/23	Zutari was appointed to provide professional electrical, mechanical and civil engineering services to design and implement the refurbishment of the main plant and repair the civil structures at the Steenbras Power Station. Responsible to assess the financial viability case of refurbishing the Steenbras PSMP. This included an assessment of the associated business risk of the plant to generate revenue informed by the failure modes and effects of generating units. The viability of the refurbishment project was assessed using a discounted cash flow of the risk adjusted revenues with the focus of refurbishment to ensure an overall increase in plant availability. The outcomes of the revenue assessment and model sensitivities were used to support recommendations on the contract penalties and provisions.	Asset Management Specialist	Contract value R15 million (Construction value R1.3 billion)	Feb 2024	Estimated completion April 2027

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) (including this one)

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

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EDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

ineering Management and Financial Bridging Specialist

The specialist must demonstrate minimum 5 (five) years' Relevant experience and broad understanding of engineering projects specific to the project scope under development for PPP implementation including financial and commercial background to bridge the technical aspects into the value assessment for the project. The experience should include:

- Multi-disciplinary engineering expertise related to the technical scope of the project under development
- Implementation of public funded projects, from design through to employer handover at end of construction
- Procurement for infrastructure projects with development financiers
- Feasibility analysis covering technical and financial factors
- Local and international experience in delivering projects

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Engineering Management and Financial Bridging Specialist

The specialist must demonstrate minimum 5 (five) years' Relevant experience and broad understanding of engineering projects specific to the project scope under development for PPP implementation including financial and commercial background to bridge the technical aspects into the value assessment for the project. The experience should include:

- Multi-disciplinary engineering expertise related to the technical scope of the project under development
- Implementation of public funded projects, from design through to employer handover at end of construction
- Procurement for infrastructure projects with development financiers
- Feasibility analysis covering technical and financial factors
- Local and international experience in delivering projects

Name:		John-Bert Cailtz		**Years of Experience (Post Qualification):**	13	**Current Employer**	Zutari	
Qualification:		**Beng Civil** MEng Civil (Cum Laude) Graduate professional diploma in water and wastewater treatment (IHE Delft) Financial modelling and valuation analyst (Corporate Finance Institute)		**Date of Qualification Obtained:**	2009 2015 2023 2024			
Professional Registration:		ECSA		**Professional Registration No:**	20160531			
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The project involved the construction of a 70 Mld direct potable reuse plant to treat water from the Zandvliet wastewater treatment works (WWTW) to a standard suitable for feeding into the Faure water treatment works (WTW). The process includes tertiary filtration, ozonisation, biological activated carbon filtration, granular activated carbon filtration, ultra-filtration and ultraviolet (UV) advanced oxidation processes (AOP). Zutari was appointed for the feasibility planning, concept and detailed design, procurement of construction contracts, contract administration and supervision. Responsible for co-ordinating the interface between the technical engineering team and the public-private partnership (PPP) transaction advisory financial specialists to ensure accurate financial modelling and that input data to the financial modelling was properly representative of the engineering estimates. He co-ordinated the risk assessment and assignment of cost implications for the PPP feasibility study. He was also design manager for portions of the multi-disciplinary team undertaking the design of the advanced water purification plant and the bulk pipelines. He prepared procurement documentation for the pipelines.	Lead Design Engineer	R3,2 billion (Anticipated construction value)	October 2017	September 2026 (When current framework appointment will terminate)
2	Limpopo Provincial Government: Department of Water and Environmental Affairs	Bulk water augmentation feasibility study for Makhado West, South Africa. Limpopo, Department of Environmental Affairs	103342/STG3B	The Department of Environmental Affairs (DEA) funded the development planning of regional bulk water infrastructure to address the water backlogs experienced in certain areas of the Vhembe District Municipal area, including the Elim/Vleyfontein, Makhado and Sinthumule/Kutama areas. The project entailed a bulk water augmentation feasibility study and the development of an implementation plan to supply the intended areas with water from the Valdezia Reservoir, which obtains water from the Nandoni Dam. Zutari was appointed to conduct the bulk water augmentation feasibility study for Makhado West. Responsible for the design of the reservoir and pump station civil works, as well as the pipeline alignment, and the detailed design of the steel pipeline and associated structures such as air, scour and non-return valves.	Design Engineer	R1.9 billion (Construction value)	October 2009	February 2013

[redacted]

[redacted]

The specialist must demonstrate minimum 5 (five) years' Relevant experience and broad understanding of engineering projects specific to the project scope under development for PPP implementation including financial and commercial background to bridge the technical aspects into the value assessment for the project. The experience should include:

- Multi-disciplinary engineering expertise related to the technical scope of the project under development
- Implementation of public funded projects, from design through to employer handover at end of construction
- Procurement for infrastructure projects with development financiers
- Feasibility analysis covering technical and financial factors
- Local and International experience in delivering projects

3	City of Cape Town [redacted]	Principal consulting services and feasibility and concept design for the Paarden Eiland Desalination Plant	194C/2020/21	The project, which is currently in feasibility and concept design phase, aims to abstract and treat seawater to drinking water for Cape Town's domestic water supply. The project involves marine works for abstraction and brine disposal, pump stations, conveyance pipelines and a reverse osmosis plant, for a treatment capacity of 70 ML/d of drinking water. The process includes dissolved air flotation, gravity filtration, media filtration, reverse osmosis, remineralisation and chlorine disinfection. Zutari is appointed for the full range of consulting services up to procurement stage. Zutari are appointed as the principal consultant with scope covering planning, the feasibility study, regulatory approvals, land-use management, specialist investigations (water quality, bathymetry), reference design, and technical specifications. Engineering manager for the works. Responsible for leading the engineering team, detailed scheduling, and managing the interface with the PPP transaction advisory team. Co-ordinated the feasibility study for the scheme.	Engineering Manager	R9.0 billion	June 2024	September 2026
4	Lesotho Highlands Development Authority	Design review and construction supervision consultant of the Lesotho Lowlands Water Development Project Phase II Works (LLWDP II)	N/A	The project requires the design review for the 75 ML/d water treatment works, intake works including the raw water pump station and pipeline and the high lift pump station supplying two clear water pipelines and reservoirs. The project involved the assessment for the adequacy, accessibility and suitability of the area proposed and to identify possible environmental and social impacts arising from constructing the intake, water works and associated works at the current proposed site. The scope also included the review of the available hydrological and water quality data and arrange updates if required. A request for proposal was prepared for design build contract up to 25 ML/d capacity including providing assistance in the procurement of the design build contractor. Responsible for management of engineering activities and design for the river intake works and water treatment plant. Also responsible for managing the compilation of the bid documentation for the project and provide technical assistance in the procurement process. Project funded by the World Bank.	Engineering design manager	R600 million (anticipated construction value)	March 2023	Present
5	Fundo de Investimento e Património do Abastecimento de Água (FIPAG), (Mozambique)	Design and supervision of boreholes, water treatment works (WTW) and pump stations in Tete, Mozambique, Tete,	N/A	The project involves the design and supervision of the rehabilitation and construction of electro-mechanical equipment of boreholes, a water treatment plant and pumping stations in Tete. Zutari was appointed to provide consultancy services to improve the water supply in two towns in north of Mozambique, namely, Tete and Moatize. The services comprise on improving the performance, sustainability and coverage of water supply services in the five cities of Beira, Dondo, Tete, Moatize and Pemba; and strengthening institutional and regulatory capacity for water supply services in the Northern, Central and Southern Regions of Mozambique. Responsible for management of engineering activities for the 30 Ml/d water treatment plant as lead design engineer. Also responsible for managing and coordinating the compilation of the tender documentation and drafting of the civil and mechanical specifications for the project. Project funded by the World Bank.	WTP Lead Design Engineer	R450 million	Jan 2021	June 2024

Number of sheets appended by the tenderer to t[redacted]er NIL) 2 (including this one)

SIGNED ON BEHALF OF TENDERER: [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Local Government Advisor

The Local Government Advisor must demonstrate experience and understanding of broad local government governance matters and legislation, in particular:
- Section 33 of the Municipal Finance Management Act, Act 56 of 2003 (MFMA)
- Section 78 of the Municipal Systems Act, Act 32 of 2000 (MSA)
- Contract Management and Monitoring
- Transaction Advisory Services (including PPPs)
- Municipal Performance Management

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Local Government Advisor

The Local Government Advisor must demonstrate experience and understanding of broad local government governance matters and legislation, in particular:

- Section 33 of the Municipal Finance Management Act, Act 56 of 2003 (MFMA)
- Section 78 of the Municipal Systems Act, Act 32 of 2000 (MSA)
- Contract Management and Monitoring
- Transaction Advisory Services (including PPPs)
- Municipal Performance Management

Name:		Anita Botha		**Years of Experience (Post Qualification):**	32	**Current Employer**	PAMS
Qualification:		B.A. (Political Science) B.A. Honours (Psychology) M. A. (Public Administration) Post-graduate Diploma in the Drafting and Interpretation of Contracts		**Date of Qualification Obtained:**	1984 1988 1997 2003		
Professional Registration:		N/A		**Professional Registration No:**	N/A		
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. Responsible as local government specialist on the transaction advisory team for potential implementation of the project via a Public-Private Partnership.	Institutional and legal expert	R3,2 billion	October 2017	September 2026 (When current framework appointment will terminate)
2	[redacted]	uMhlathuze WTWs and WWTWs	N/A	Appointment with Bigen Africa to do the contract management and monitoring of the uMhlathuze WTWs and WWTWs PPP. Since 2004 to June 2008 the management and monitoring of the institutional, legal and human resource aspects of the PPP between uMhlathuze Municipality and WSSA. Hands-on monitoring specifically with regards to health and safety matters. Risk management is done based on a risk profile with clearly identified ownership of risks and mitigating factors. An annual Performance Review is done and submitted to the Council in accordance with the stipulations of municipal legislation. Section 78 investigation into the best service delivery mechanism for bulk water and sanitation services and the conclusion of a three-year PPP contract for the management, operation and maintenance of eight water and sewage treatment plants with WSSA	Contract Management and Monitoring	N/A	July 2008	June 2011
3	Mogalakwena Local [redacted]	Mogalakwena Local Municipality, PPP Contract advisory	N/A	The successful conclusion and implementation of a number of Public Private Partnership contracts between the Municipality and Polgietersrust Platinums Limited and a Public Public Partnership arrangement between the Municipality and Lepelle Water Board to ensure the provision of bulk water and the construction of new water and sewage treatment plants at a project value of ± R90m	Contract Management and Monitoring	N/A	2002	
4	Hendre Bilgeaut [redacted]	Overstrand Municipality, PPP Contract advisory	N/A	Section 78(1) assessment and Section 78(3) Feasibility Study fro specific expanded solid waste services as TA lead with Jan Palm Consulting Engineers. Procurement finalised, final public consultation phase in accordance with section 33 in process. PDF funding applied for and obtained from National Treasury. Performance Management systems investigated and proposed.	Investigations into Municipal Public Private Partnerships & the Outsourcing of Services	N/A	2008	2016 (approx.)

The Local Government Advisor must demonstrate experience and understanding of broad local government governance matters and legislation, in particular: • Section 33 of the Municipal Finance Management Act, Act 56 of 2003 (MFMA) • Section 78 of the Municipal Systems Act, Act 32 of 2000 (MSA) • Contract Management and Monitoring • Transaction Advisory Services (including PPPs) • Municipal Performance Management								
5	Stellenbosch Municipality	Stellenbosch Municipality, Institutional and Legal advisory	N/A	Sub-contracted to Jan Palm Consulting Engineers to provide institutional and legal review of Section 78(3) Solid Waste Services feasibility study.	Institutional and legal expert	N/A	NA	2019
6	City of Polokwane	City of Polokwane, Institutional and Legal advisory	N/A	Sub-contracted to Ernst & Young advisory services. Institutional and legal expert in team investigating alternative models for the implementation of non-revenue business plan.	Institutional and legal expert	N/A	2022	2023
7	Overstrand Municipality, Thabazimbi Local Municipality, Kamiesberg Local Municipality, and various others.	Performance Management Initiatives	N/A	Development of Performance Management systems and Performance scorecards.	Performance Management systems	N/A	Various	various

Number of sheets appended by the tenderer to this Schedule 2 (If nil, enter NIL) (including this one)

SIGNED ON BEHALF OF TENDER [redacted] .....

Criteria 4	Contracts management of either design & build contract (D&B), design, build & operate (DOB) contracts or public-private partnership (PPP) contracts with a total cost of R100million and/or more								
5	Rand Water [redacted]	Zulkerbosch WTW: Filter House 2B	RW0029/07	Rand Water treats and supplies an average of over 3 500 ML/d of bulk potable water to more than 11 million people in in the commercial and industrial heartland of South Africa. Zutari was appointed to provide the professional services for a new 250 ML/d rapid gravity sand filtration plant to extend the 3 500 ML/d capacity of the existing Zulkerbosch WTW. The large filters, each with a nominal capacity of 20,8 ML/d, are designed with enhanced collapse-pulsing-type backwashing to improve over-all performance and efficiency, are equipped with comprehensive on-line instrumentation, and are fully automated. Zutari (then Aurecon, and previously Ninham Shand) was responsible for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning. The Mechanical and Electrical Works were implemented using the FIDIC Plant and Design-Build (D&B) Contract (FIDIC Yellow Book), 1999.	250	Mechanical and Electrical Works value: At October 2019: R90 million (excl VAT) Escalated to 2025: $90\,(1+4\%)^6$ = 113.8 million (excl VAT)	1 August 2008	30 November 2019	Y	N

Number of sheets appended by the tenderer to this Schedule 2 (if all entered) (including this one)

SIGNED ON BEHALF OF TENDERER: [redacted] .....

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 12: KEY PERSONNEL

The tenderer is referred to Clause C.2.1.4.2 of the Tender Data and shall insert in the spaces provided below a list of the key personnel required to be in the employment of the tenderer or a specialist consultant/firm, in order for the tenderer to be eligible to submit a tender for this project. Copies of all applicable signed undertakings from specialist consultants/firms having the required personnel, stating that they will undertake the necessary work on behalf of the tenderer in terms of sub-consultant agreements must be attached to this Schedule. The details of the proposed key personnel and a Curriculum Vitae for each individual shall be appended to this schedule. **Different individuals must be identified for each of the key personnel listed below.**

The information presented in this returnable schedule shall be used to evaluate the functionality criteria detailed in Clause C.2.1.4.4 of the Tender Data

SIGNED ON BEHALF OF TENDERER: [redacted] .....

(SEE VOLUME 2 of 2 for supporting documentation as follows:
a) Letters of Collaboration for signed undertakings from specialist consultants, and
b) CV's, Qualifications and certificates of key experts

[redacted]

[redacted]

EDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL

Project Leader/ Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Project Leader/Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW

Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

Name:		**Years of Experience (Post Qualification):**	
Qualification:		**Date of Qualification Obtained:**	
Professional Registration:		**Professional Registration No:**	

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Size of Plant (Ml/day)	Position Held	Value of Work (R)	Start Date	End Date
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Schedule 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL

Project Leader/Engineer

1. Experience as a Project Leader/Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

Name	Brendon Theunissen	**Years of Experience (Post Qualification)**	26
Qualification	MSc Civil Engineering BSc Engineering	**Date of Qualification Obtained**	10 December 2001 7 December 1999
Professional Registration	ECSA	**Professional Registration No**	980581

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Size of Plant (ML/day)	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. The AWPP has been designed for an initial capacity of 70 ML/d, with certain components sized 100 ML/d to accommodate a future expansion. Responsible for leading all aspects of the project and the multi-disciplinary professional team, including the Transaction Advisory team advising on potential implementation of the project via a Public-Private Partnership; planning; design, preparation of procurement documentation; specialist studies; water safety planning and associated studies and investigations; guidance and support to City and Water Research Committee for the establishment and running of an independent advisory panel; supporting the client to plan and implement a comprehensive public engagement campaign; assisting in presentations to and engagements with key government, institutional, academic, religious and political stakeholders.	70	Project Director	R3.2 billion (anticipated construction value)	October 2017	September 2026 (When current framework appointment will terminate)
2	City of Cape Town [redacted]	Cape Flats Aquifer Management Scheme	194C/2020/21	The City of Cape Town is developing the Cape Flats Aquifer as a sustainable ground water abstraction scheme to augment and diversify its water supply sources and improve resilience against droughts. The project is an indirect potable reuse scheme that entails replenishing the aquifer with purified recycled wastewater (40 ML/d), abstraction via clusters of boreholes, and further treatment at three new advanced water purification plants (AWPP) totalling a capacity of ~ 50 ML/d, before injection into the existing bulk network. Zutari was appointed to provide professional services for the ground water modelling, well-field infrastructure, the three AWPPs, and injection into the bulk water network. Responsible for leading all aspects of the project and the multi-disciplinary professional team; including technical, commercial, multi-disciplinary engineering aspects; risk mitigation; water safety planning; regulatory approval; stakeholder engagement support; construction phase (overseeing and leading multiple construction phase management teams via a portfolio of contracts based on the General Conditions of Contract for Construction Works, 2015, and the FIDIC Conditions of Contract, 1999, and JBCC Principal Building Agreement 2018).	54 (Three separate water treatment plants: Strandfontein West WTW (6Ml/d), Philippi WTW (10Ml/d), Mitchells Plain WTW (38Ml/d)	Project Director	R3.2 billion (anticipated construction value)	2021	September 2026 (When current framework appointment will terminate)
3	City of Cape Town [redacted]	Upgrade of Zandvliet WWTW	WW/T07/36	The professional services for the upgrading, refurbishment, and capacity extension of Zandvliet wastewater treatment works (WWTW). The refurbishment included the Maccassar pump station, and the Black-Mac screening station and pipeline. The project entailed upgrading of the existing plant (rated at 72 Ml/d but only able to handle ~ 54 Ml/d) to 90 Ml/d, with certain elements designed for the future 150 Ml/d capacity. The infrastructure includes a new membrane biological reactor (MBR) plant (18 Ml/d at n+1, 27 Ml/d at n); re-equipping the existing 18Ml/d MBR plant; alleviation of bottleneck problems in the existing conventional activated sludge plant; a new 150 Ml/d inlet works, Archimedean screw pump stations, primary settling tanks, and sludge dewatering facilities. Responsible for leading all aspects of the project and the multi-disciplinary professional team up to end of procurement stage, where after handed leadership to a colleague, and then served as peer advisor. Guided preparation of a portfolio of large contracts based on the General Conditions of Contract for Construction Works, 2015, and the FIDIC Conditions of Contract, 1999, and advised the Employer's Agent and the Engineer on key issues during construction.	90	Project director	R1.4billion (Construction value)	2014	2025

[redacted]

[redacted]

1. Experience as a Project Leader/Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

4	Swartland Municipality [redacted]	Upgrade of Malmesbury WWTW	NA	The professional services for the refurbishment and upgrading of the Malmesbury WWTW, which treats domestic and industrial wastewater from the town of Malmesbury. A new 10ML/day membrane biological reactor (MBR) was provided, along with a new inlet works, aerobic sludge digestor, sludge dewatering plant, and other facilities. The existing oxidation ditch bioreactor and associated clarifiers were incorporated into the new plant via new recycle flows to ensure optimum use of the existing infrastructure. Responsible for leading all aspects of the project and the multi-disciplinary professional team, through feasibility planning, design, documentation, procurement, construction, and commissioning.	10	Project director	R114million (Construction value)	2035	2014
5	Nelson Mandela Bay Municipality [redacted]	Coega Kop WTP	SCM/19-74/C/2018-2019	Professional services for the development of a groundwater supply scheme to supplement supply to Port Elizabeth. Water is sourced from a deep-water aquifer, and is rich in iron and manganese, soft, acidic and aggressive. The project included drilling and equipping of boreholes, various pipelines, and a 20 ML/d biofiltration plant (drinking water treatment) for iron and manganese removal. Responsible for leading the multi-disciplinary team in the planning, design, documentation, and procurement of the biofiltration plant. Thereafter advised the contract administration team during the construction phase.	20	Design director	R355 million	2017 (For WTP portion)	June 2025
6	Rand Water [redacted]	Zuikerbosch WTW: Filter House 2B	RW0029/07	Rand Water treats and supplies an average of over 3 500 ML/d of bulk potable water to more than 11 million people in in the commercial and industrial heartland of South Africa. Zutari was appointed to provide the professional services for a new 250 ML/d rapid gravity sand filtration plant to extend the 3 500 ML/d capacity of the existing Zuikerbosch WTW. The large filters, each with a nominal capacity of 20.8 ML/d, are designed with enhanced collapse-pulsing-type backwashing to improve over-all performance and efficiency, are equipped with comprehensive on-line instrumentation, and are fully automated. Responsible for leading all aspects of the project and the multi-disciplinary professional team, through feasibility planning, design, documentation, procurement, construction, and commissioning.	250	Project director	R218million (Construction value as at June 2017)	1 August 2008	30 November 2019
7	Umgeni Water Now Umgeni-uThukela Water (UUW) [redacted]	Lower Thukela WTW	2013/108 and 2012/032	Umgeni Water commissioned Zutari for the feasibility study and then the project management, design and preparation of contract documentation for all components of the Lower Thukela Water Supply Scheme. These include construction of two access roads; an 8 m-high concrete portal weir across the Tugela River; an in-stream abstraction works equipped with fish ladder, various boulder and gravel traps, and pump station; a water treatment works incorporating hydro-cyclones, clarifloculators, pulsators, rapid gravity sand filtration, sludge handling via gravity thickeners and centrifuging, chemical dosing facilities (for coagulation, pH control, taste and odour control via powdered activated carbon, iron and manganese oxidation with potassium permanganate, chlorination, ammonia dosing, and final stabilisation with soda ash); a high-rise pump station equipped with 2 MW pumps; a 3 km rising main and 30 Ml command reservoir as well as a 30 km, 900 mm diameter gravity main. The water treatment works is nominally sized at 55 ML/d, upgradeable to 110 ML/d, with all common facilities designed for the future ultimate capacity. Responsible for leading the multi-disciplinary team in the planning, design, documentation, and procurement of the water treatment plant. Lead the contract administration (role of the Engineer) in the early phase before handing this over to others.	55 (some components at 110 ML/d in preparation for future upgrade)	Design director (water treatment plant)	R565million (Construction value, for water treatment plant)	2011	2016

Number of sheets appended by the tenderer to this Schedule 2 (If nil, enter Nil.) Nil

SIGNED ON BEHALF OF TENDERER: [redacted]

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Process Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Process Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
   - A new Water or Wastewater Treatment Plant for 10Ml/d or greater
   - Expansion of additional 10ML/d or greater on existing WTP or WWTW

Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

Name:				**Years of Experience (Post Qualification):**		**Current Employer**			
Qualification:				**Date of Qualification Obtained:**					
Professional Registration:				**Professional Registration No:**					
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Size of Plant (Ml/day)**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SIGNED ON BEHALF OF TENDERER: .....

Schedule 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Process Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Process Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

Name		Geoff Du Toit		**Years of Experience (Post Qualification)**	18	**Current Employer**	Zutari		
Qualification		MSc Civil Engineering BSc Civil Engineering		**Date of Qualification Obtained**	2007 2003				
Professional Registration		ECSA		**Professional Registration No**	20120165				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Size of Plant (ML/day)**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. The AWPP has been designed for an initial capacity of 70 ML/d, with certain components sized 100 ML/d to accommodate a future expansion. The AWPP includes tertiary biofiltration for nitrate polishing, ozonation, bromate suppression, biological activated carbon filtration, granular activated carbon filtration, ultrafiltration, ultraviolet light advanced oxidation, and chlorination. Responsible as lead design engineer coordinating the design inputs from the multidisciplinary design team from design conceptualisation to detail design. This requires an deep involvement from process design through the co-ordination of the respective disciplines to ensure the design is implemented correctly.	70	Lead design engineer	R3,2 billion (Construction Value)	October 2017	September 2026 (When current framework appointment will terminate)
2	Overstrand Municipality [redacted]	Refurbishment and upgrading of Preekatoel WTW	SC091/2007	Professional services for the upgrading of the 28 ML/d Preekatoel Water Treatment Works in Hermanus. The plant treats organically coloured surface water and could not meet the design capacity, and much of the equipment had deteriorated with age. All mechanical and electrical equipment and controls were replaced and modernised. The rapid gravity sand filters were gutted and re-equipped to enhance the performance via improved design, taking account of technology developments for this process. In addition, a new 10 ML/d biofiltration plant for iron and manganese removal to treat the water from a series of well-fields was added, the associated boreholes were equipped, and a supply pipeline from these was provided. Responsible for project administration, project management, biofilter design, tender documentation, adjudication, administration of the civil contract and support for the mechanical and electrical contract, and commissioning of the works.	10	Lead design engineer/ Project Manager/ Contract Manager	R75million (Construction Value)	October 2009	July 2015

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:

1. Experience as a Process Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:

- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW

Substantial upgrade/refurbishment of an existing 10ML/d or greater WTF or WWTW

2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

3	City of Cape Town [redacted]	Cape Flats Aquifer Management Scheme	194C/2020/21:	The City of Cape Town is developing the Cape Flats Aquifer as a sustainable ground water abstraction scheme to augment and diversify its water supply sources and improve resilience against droughts. The project is an indirect potable reuse scheme that entails replenishing the aquifer with purified recycled wastewater (40 ML/d), abstraction via clusters of boreholes, and further treatment at three new advanced water purification plants (AWPP) totalling a capacity of ~ 50 ML/d, before injection into the existing bulk network. Zutari was appointed to provide professional services for the ground water modelling, well-field infrastructure, the three AWPPs, and injection into the bulk water network. Responsible as lead design engineer for the Philippi WTW coordinating the design inputs from the multidisciplinary design team.	10	Design lead	R655million (anticipated construction value of Philippi WTW)	October 2021	September 2026 (When current framework appointment will terminate)
4	Municipality of Drakenstein [redacted]	Upgrading of the Welvanpas WTW	CES 30/2011	Drakenstein Municipality appointed Zutari to provide the professional services for a new 10Ml/d potable water treatment plant to supplement the water supply to Paarl and Wellington. The plant was designed to be readily upgradeable to 20 Ml/d in the future. Responsible for process design, civil design, documentation, tender adjudication and reporting, and contract management. As project leader, responsible for all project management, concept and viability through to detailed design and contract documentation. Also responsible for overseeing site supervision and contract administration.	20	Process Designer/ Project Manager/ Project Leader	R57million (Construction Value)	2013	2017

Number of sheets appended by the tenderer to this Schedule ..... 2 ..... (If nil, enter NIL) Included

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

[redacted]

[redacted]

EDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Civil Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Civil Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW

Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. A large diameter (500mm diameter and greater) water and/or sewer pipeline project.

Name:		**Years of Experience (Post Qualification):**	
Qualification:		**Date of Qualification Obtained:**	
Professional Registration:		**Professional Registration No:**	

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Size of Plant (Ml/day)/ size of pipe (mm)	Position Held	Value of Work (R)	Start Date	End Date
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Number of sheets appended by the tenderer to this Schedule N/A (If nil, enter NIL).

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Civil Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Civil Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
   - A new Water or Wastewater Treatment Plant for 10Ml/d or greater
   - Expansion of additional 10ML/d or greater on existing WTP or WWTW

Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. A large diameter (500mm diameter and greater) water and/or sewer pipeline project.

Name:		**Years of Experience (Post Qualification):**	
Qualification:		**Date of Qualification Obtained:**	
Professional Registration:		**Professional Registration No:**	

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Size of Plant (Ml/day)/ size of pipe (mm)	Position Held	Value of Work (R)	Start Date	End Date
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Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Civil Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Civil Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. A large diameter (500mm diameter and greater) water and/or sewer pipeline project.

Name:	George Goodey	**Years of Experience (Post Qualification):**	29	
Qualification:	Meng Civil Engineering Beng Civil Engineering	**Date of Qualification Obtained:**	4 March 1999 7 December 1993	
Professional Registration:	ECSA	**Professional Registration No:**	990062	

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Size of Plant (ML/day) / size of pipe (mm)	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Macassar WWTW capacity extension and associated infrastructure refurbishment	194C/2020/21	The project entailed the provision of professional engineering consultancy services for Macassar WWTW, 32Ml/d capacity extension and associated infrastructure refurbishment. Services provided included civil, mechanical, electrical, construction monitoring, environmental assessments and health and safety.	32		R4,7million (Anticipated construction value)	November 2021	Estimated completion December 27
2	City of Windhoek	Upgrade of Gammams Wastewater Treatment Plant		The project entailed the upgrading of the plant from 25 Ml/d to 55 Ml/d by adding new inlet works, a membrane biological reactor (MBR), sludge handling plant and various pump stations. Zutari was appointed to carry out the detailed design of the infrastructure associated with the proposed extensions, as well as to compile the tender documentation.	55	Civil Engineer	R315million (Construction value)	November 2013	January 2020
3	Overstrand Municipality [redacted]	Refurbishment and upgrading of Preekstoel WTW	SC1084/2011 SC091/2007	Professional services for the upgrading of the 28 ML/d Preekstoel Water Treatment Works in Hermanus. The plant treats organically coloured surface water and could not meet the design capacity, and much of the equipment had deteriorated with age. All mechanical and electrical equipment and controls were replaced and modernised. The rapid gravity sand filters were gutted and re-equipped to enhance the performance via improved design, taking account of technology developments for this process. In addition, a new 10 ML/d biofiltration plant for iron and manganese removal to treat the water from a series of well-fields was added, the associated boreholes were equipped, and a supply pipeline from these was provided. Responsible for managing the site civil works design.	28	Civil Engineer	R75million (Construction value)	October 2009	July 2015
4	Municipality of Swellendam	Upgrading of the Swellendam bulk raw water supply		This project involved the replacement of the last 500 m of the existing 450 mm diameter bulk raw water supply concrete pipeline from the diversion weir in the mountain to the water treatment works (WTW) with a 600 mm diameter high-density polyethylene (HDPE) pipeline.	450 – 600 mm	Project director		January 2008	June 2016

Number of sheets appended by the tenderer to this Schedule .....1..... (If nil, enter NIL) inclusive

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

SIGNED ON BEHALF OF TENDERER: .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Hydraulic Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Hydraulic Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. A water and/or sewer pipeline project, including a pump station, hydraulic components with hydraulic modelling.

Name:				**Years of Experience (Post Qualification):**		**Current Employer**			
Qualification:				**Date of Qualification Obtained:**					
Professional Registration:				**Professional Registration No:**					
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**	
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Number of sheets appended by the tenderer to this Schedule N/A (If nil, enter NIL).

[redacted]ULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Chemical Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Chemical Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Chemical Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Chemical Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW
2. Experience in the conceptualisation and detail design of a water reuse/reclamation plant of 10Ml/d or greater.

Name:	Louis Koen	**Years of Experience (Post Qualification):**	21	**Current Employer**	Zutari
Qualification:	MSc Chemical Engineering BEng Chemical	**Date of Qualification Obtained:**	8 December 2000 December 1997		
Professional Registration:	ECSA	**Professional Registration No:**	20060029		

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Cape Flats Aquifer Management Scheme: Philippi WTW	194C/2020/21	The City of Cape Town is developing the Cape Flats Aquifer as a sustainable ground water abstraction scheme to augment and diversify its water supply sources and improve resilience against droughts. The project is an indirect potable reuse scheme that entails replenishing the aquifer with purified recycled wastewater (40 ML/d), abstraction via clusters of boreholes, and further treatment at three new advanced water purification plants (AWPP) totalling a capacity of ~ 50 ML/d, before injection into the existing bulk network. Zutari was appointed to provide professional services for the ground water modelling, well-field infrastructure, the three AWPPs, and injection into the bulk water network. Responsible for the overall process engineering design, including process flow diagrams, piping and instrumentation diagrams, equipment sizing, and the development of specifications and tender documents for the procurement of the plant. Also responsible for water safety planning, Hazard Analysis and Critical Control Point study and Quantified Microbial Risk Assessments, Quantified Chemical Risk Assessments.	Process Engineer	R655 million (anticipated construction value of the Philippi WTW)	October 2021	September 2026 (When current framework appointment will terminate)
2	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. Responsible for the overall process engineering design, including process flow diagrams, piping and instrumentation diagrams, equipment sizing, and the development of specifications and tender documents for the procurement of the plant. Also responsible for water safety planning, Hazard Analysis and Critical Control Point study and Quantified Microbial Risk Assessments, Quantified Chemical Risk Assessments.	Lead Process Engineer	R3,2 billion	October 2017	September 2026 (When current framework appointment will terminate)
3	City of Cape Town [redacted]	Zandvliet WWTW reclamation Phase 1	35C/2016/2017 BW-WP005	As a drought alleviation measure the City commissioned a 10Ml/d direct potable reuse plant from the operator of the Zandvliet WWTW Responsible in an advisory role for the City of Cape Town to review the contractor's design of the advanced wastewater treatment reclamation plant.	Process Engineer	R205million	October 2017	2021
4	Umgeni Water (now Umgeni Uthukela Water) [redacted]	Wiggins ultrafiltration (UF) water treatment works (WTW)	2015/062	Umgeni Water appointed Zutari for the detailed design, contract administration and construction monitoring of a new ultrafiltration plant at the Wiggins WTW in Durban. The design had been driven by the motivation for Umgeni Water to use the proposed ultrafiltration plant as a testing facility to assess the potential of different membranes, different feed/backwash configurations and different antifouling regimes. Responsible for the detailed process design and preparation of technical specifications, including cost estimates to evaluate the feasibility of installing a 10 MLD ultrafiltration plant.	Project Leader/Project Manager	R22million	October 2015	December 2019

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) Include

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Structural Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Structural Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analyses, design and construction of water retaining structures and structures.

Name:				**Years of Experience (Post Qualification):**				
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Structural Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Structural Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analyses, design and construction of water retaining structures and structures.

Name:				**Years of Experience (Post Qualification):**				
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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Number of sheets appended by the tenderer to this Schedule 1 (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: [redacted] .....

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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Structural Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Structural Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analyses, design and construction of water retaining structures and structures.

Name:	Matteo Angelucci	**Years of Experience (Post Qualification):**	12
Qualification:	MSc Civil Engineering BSc Civil Engineering	**Date of Qualification Obtained:**	6 June 2013 15 December 2010
Professional Registration:	ECSA	**Professional Registration No:**	20180152

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	Drakenstein Local Municipality [redacted]	Paarl WWTW	CES 01/2023	The project entailed the conceptual planning, preliminary and detailed design, tender documentation and contract administration of upgrading and refurbishing the existing 35 Ml/d Paarl WWTW. The project is split into two construction phases. Phase 1 entails the upgrade and refurbishment of the liquid stream (new inlet works, primary settling tanks, new administration building, new guard house, new chlorine contact tank for disinfection and general civil services including all interconnecting pipework, roads and stormwater. Responsible for leading the concept design and structural detailed design of new structures.	Resident Engineer / Lead Structural Engineer	R418million (anticipated construction value)	2023	Ongoing
2	City of Cape Town [redacted]	Upgrade of Zandvliet WWTW	179Q/2016/17 178Q/2016/17	The professional services for the upgrading, refurbishment, and capacity extension of Zandvliet wastewater treatment works (WWTW). The refurbishment included the Macassar pump station, and the Black-Mac screening station and pipeline. The project entailed upgrading of the existing plant (rated at 72 Ml/d but only able to handle ~ 54 Ml/d) to 90 Ml/d, with certain elements designed for the future 150 Ml/d capacity. The infrastructure includes a new membrane biological reactor (MBR) plant (18 Ml/d at n+1, 27 Ml/d at n); re-equipping the existing 18Ml/d MBR plant; alleviation of bottleneck problems in the existing conventional activated sludge plant; a new 150 Ml/d inlet works, Archimedean screw pump stations, primary settling tanks, and sludge dewatering facilities. Responsible for the structural design, detailing and deliverables many aspects of the plant. Construction monitoring of the 1400 mm thick raft slab of the new lower screw pump station via temperature monitoring, to determine best shutter stripping time	Structural Engineer	R1,4 billion	2014	2025
3	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. Responsible for co-ordinating the structural design team for the works.	Structural Engineer	R3.2 million	October 2017	September 2026 (When current framework appointment will terminate)
4	Ngaka Modiri Molema District Municipality [redacted]	Assessment of the Zeerust wastewater treatment works (WWTW)	NMMDM 07/08/08/PMU	Zutari was appointed to assess the current and future state of the Zeerust WWTW. The works has been identified as a plant that raised concerns due to its non-compliance with the statutory standards, which resulted in the works being identified by the Department of Water Affairs and Sanitation (DWAS) as a works that should get priority attention on refurbishment. The upgrading strategy was divided into an immediate, medium term and long-term strategy. For the immediate and medium term, it was proposed that the existing WWTW be refurbished to enable the works to produce an effluent that complies with the DWAS general limit. The medium-term strategy involved the planning and preliminary and detailed design for the extension of the existing Zeerust WWTW to 8 Ml/day, and the upgrading of the existing aeration plant to a full biological nutrient removal (BNR) plant. Responsible for the preliminary structural design of water retaining structures and ancillary reinforced concrete (RC) structures.	Structural Designer	R130million	August 2009	May 2022

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) included

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Mechanical Engineer

1. Experience as a Mechanical Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW

Name:				**Years of Experience (Post Qualification):**				
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER [redacted] .....

[redacted]

SCHEDULE 12A: SPECIFIC EXPEREINCE OF KEY PERSONNEL CONT'D

Mechanical Engineer

1. Experience as a Mechanical Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW

Name:	Laura Ingle	**Years of Experience (Post Qualification):**	15		
Qualification:	MEng Water Quality Engineering BSc Mechanical Engineering	**Date of Qualification Obtained:**	14 December 2022 8 December 2008		
Professional Registration:	ECSA	**Professional Registration No:**	20130436		

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Upgrade of Zandvliet WWTW	35C/2016/2017 BW-WP005	The professional services for the upgrading, refurbishment, and capacity extension of Zandvliet wastewater treatment works (WWTW). The refurbishment included the Maccassar pump station, and the Black-Mac screening station and pipeline. The project entailed upgrading of the existing plant (rated at 72 Ml/d but only able to handle ~ 54 Ml/d) to 90 Ml/d, with certain elements designed for the future 150 Ml/d capacity. The infrastructure includes a new membrane biological reactor (MBR) plant (18 Ml/d at n+1, 27 Ml/d at n); re-equipping the existing 18Ml/d MBR plant; alleviation of bottleneck problems in the existing conventional activated sludge plant; a new 150 Ml/d inlet works, Archimedean screw pump stations, primary settling tanks, and sludge dewatering facilities. Responsible for assisting with preliminary information on the Black-Mac screening station and cost estimation, valve inspections and the inlet works tender evaluation process	Mechanical Engineer	R1,4billion	2014	2025
2	Municipality of Drakenstein [redacted]	Welvanpas WTW	CE 30/2011	Drakenstein Municipality appointed Zutari to provide the professional services for a new 10Ml/d potable water treatment plant to supplement the water supply to Paarl and Wellington. The plant was designed to be readily upgradeable to 20 Ml/d in the future. Zutari (then Aurecon) was appointed for the full range of multi-disciplinary professional services, including project management, feasibility planning, concept and detailed design, documentation, procurement, contract administration, construction monitoring, and commissioning. Responsible for all aspects of the mechanical design.	Mechanical Engineer/ Contract Administrator	R19,4million (Value of the M&E Works)	2013	2017
3	Stellenbosch Municipality [redacted]	Upgrading of Stellenbosch WWTW: Phase 1 and 2	B/SM 4/15	Zutari was appointed to carry out the refurbishment of the 20 Ml/d Stellenbosch WWTW. The refurbishment entailed the emptying, inspection and structural repair of the primary and secondary settling tanks (PSTs and SSTs) and the replacement of bridges on the PSTs and SSTs as well as the complete refurbishment and configuration of sludge pump stations and new motors and gearboxes for the installed fixed aerators. New floating aerators and screens were installed at the inlet works. The capacity of the refurbished works was extended to 35 Ml/d. Responsible for assisting the mechanical engineer with tender evaluation.	Assistant Engineer	R450million	2010	Phase 1: December 2017 Phase 2: February 2019
4	City of Cape Town [redacted]	Cape Flats Aquifer Management Scheme (CFAMS)	194C/2020/21	The City of Cape Town is developing the Cape Flats Aquifer as a sustainable ground water abstraction scheme to augment and diversify its water supply sources and improve resilience against droughts. The project is an indirect potable reuse scheme that entails replenishing the aquifer with purified recycled wastewater (40 Ml/d), abstraction via clusters of boreholes, and further treatment at three new advanced water purification plants (AWPP) totalling a capacity of ~ 50 Ml/d, before injection into the existing bulk network. Responsible for the construction and commissioning of the Strandfontein West WTW, and lead mechanical designer on the Philippi WTW	Mechanical Engineer	R655million (anticipated const. value of Philippi WTW; R119million (Const. value Strandfontein West WTW)	October 2021	September 2026 (When current framework appointment will terminate)

Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL) Included

SIGNED ON BEHALF OF TENDERER: [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Electrical Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as a Electrical Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:
- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expansion of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW

Name:				**Years of Experience (Post Qualification):**				
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SEE FOLLOWING PAGES IN VOLUME 2 SUPPORTING DOCUMENTS

Number of sheets appended by the tenderer to this Schedule ....4.... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: ... [redacted] .....

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SCHEDULE 12A: SPECIFIC EXPEREINCE OF KEY PERSONNEL CONT'D

Electrical Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:

1. Experience as an Electrical Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms of the analysis, detail design, construction and commissioning phases. The Projects are for either:

- A new Water or Wastewater Treatment Plant for 10Ml/d or greater
- Expension of additional 10ML/d or greater on existing WTP or WWTW
- Substantial upgrade/refurbishment of an existing 10ML/d or greater WTP or WWTW

Name:	Ewald Biesenbach	**Years of Experience (Post Qualification):**	16
Qualification:	Postgraduate Diploma in Engineering Beng Electrical and Electronic	**Date of Qualification Obtained:**	March 2007 December 2005
Professional Registration:	ECSA	**Professional Registration No:**	20110461

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	Drakenstein Local Municipality [redacted]	Upgrade and Refurbishment Paarl WWTW (Phase 1)	CES 01/2023	Zutari's appointment includes for the upgrade and refurbishment of the 35 Ml/d Paarl WWTW which is phased as follows: Phase 1: Emergency Works (refurbishment of the BNR reactor and extension of the aeration capacity, as well as refurbishment of the sludge dewatering facilities); The sludge treatment process further incorporates advanced anaerobic sludge digestion (primary sludge and waste activated sludge_ including combined heat and power. Zutari's appointment includes the planning conceptual and preliminary design, detailed design, contract documentation and construction monitoring. Responsible for the entire electrical, control and instrumentation (EC&I) scope design, drawings, and technical specifications. The electrical scope includes overhead lines (OHLs), medium-voltage (MV) switchgear, transformers, low-voltage (LV) distribution, motor control centres (MCCs), small power, and lighting. The control and instrumentation (C&I) scope include programmable logic controllers (PLCs), human-machine interfaces (HMIs), supervisory control and data acquisition (SCADA), telemetry, control networks, and field instrumentation. Also responsible for liaising with the supply authority, namely Drakenstein Local Municipality's electrical department.	Electrical Engineer	R418 million	March 2015	December 2021
2	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21: BW-WP013	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. Responsible for the entire electrical, control and instrumentation (EC&I) scope design, drawings, technical specifications. The electrical scope included medium-voltage (MV) switchgear and cabling, transformers, a cogeneration, photovoltaic (PV) plant, hydraulic turbine, lowvoltage (LV) distribution, MV harmonic mitigation, motor control centres (MCCs), transfer pumps station (560 kW VFCs), small power, and lighting. The control and instrumentation (C&I) scope included programmable logic controllers (PLCs), human-machine interfaces (HMIs), supervisory control and data acquisition (SCADA), telemetry, control networks, and field instrumentation. Also responsible for liaising with the supply authority, namely Eskom, and setting a cogeneration application in line with Eskom's grid code compliance requirements.	Electrical Engineer	R3,2 million	October 2017	September 2026 (When current framework appointment will terminate)
4	Municipality of [redacted]	Design and supervision for the new Welvanpas (WTW)	CES 30/2011: Welvanpas WTW	Zutari was appointed for the upgrading of the Welvanpas water treatment works (WTW), including the pump station, to transfer surplus water from the Welvanpas reservoir to the Con Marino and Van Blerk reservoirs. A 10 Ml direct filtration WTW was designed and constructed as well as a depot building for the regional staff. Zutari's services included civil, structural, mechanical, electrical, process, control and instrumentation (C&I) and building services. Responsible for the entire electrical, control and instrumentation (EC&I) scope design, drawings, technical specifications, and construction supervision. The electrical scope included new power supply, low-voltage (LV) distribution, a diesel generator, motor control centres (MCCs), distribution boards, small power, and lighting. The C&I scope included programmable logic controllers (PLCs), human-machine interfaces (HMIs), supervisory control and data acquisition (SCADA), telemetry, control networks, and field instrumentation.	Electrical Engineer	R19,4 million (Construction value for M&E Contact)	2013	2017

Number [redacted] by the tenderer to this Schedule ..... (If nil, enter NIL)

SIGNED ON BEHALF OF TENDERER: [redacted]

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Electronic Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:
1. Experience as an Electronic Engineer for large complex multi-disciplinary of Water and Wastewater Treatment projects in terms computer networks and their configuration, communication systems technology, data management and data security, infrastructure security, firewalls and intrusion detection systems, programming and scripting languages and specifically experience in SCADA (Supervisory Control And Data Acquisition) or Industrial, infrastructure based processes Control Systems

Name:			**Years of Experience (Post Qualification):**		**Current Employer**			
Qualification:			**Date of Qualification Obtained:**					
Professional Registration:			**Professional Registration No:**					
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SEE FOLLOWING PAGES IN VOLUME 2 SUPPORTING DOCUMENTS

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: [redacted] .....

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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Electronic Engineer

The key personnel must demonstrate his/her experience by listing at least 1 (one) project for the following experience criteria:

1. Experience as an Electronic Engineer for large complex multi-disciplinery of Water and Wastewater Treatment projects in terms computer networks and their configuration, communication systems technology, data management and data security, infrastructure security, firewalls and intrusion detection systems, programming and scripting languages and specifically experience in SCADA (Supervisory Control and Data Acquisition) or Industrial, Infrastructure-based processes Control Systems

Name:		Chrisman de Jager		**Years of Experience (Post Qualification):**		20	**Current Employer**	Zutari
Qualification:		MScEng Industrial Engineering BEng Electrical and Electronic		**Date of Qualification Obtained:**		April 2008 December 2002		
Professional Registration:		ECSA		**Professional Registration No:**		20130264		
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**		**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	Lebalelo Water Users [redacted]	Olifants Management Model Programme: 2B Water Treatment Works	C01-LWU-BR2B-WTP-RFP-0001	The Lebalelo Water User Association has appointed Zutari Ndodana Join Venture to provide professional services for phase 2 of the Olifants River Water Resources Development Project, including electrical, control, and instrumentation aspects of the Northern and Eastern Limb water treatment plants. The scope included the reference design for two water treatment works, namely the Mokopane WTW (49Ml/d) and the Sekuruwe WTW (21Ml/d). Responsible for the electrical and electronic designs, specifications, and procurement documentation for the respective works. Another PSP was appointed to implement construction.		Electrical, Control and Instrumentation Engineer	R800million (anticipated final construction value)	April 2023	December 2024
2	City of Cape Town [redacted]	Athlone Wastewater Treatment Works (WWTW) refurbishment	376Q/2018/19	The City of Cape Town is upgrading the Athlone wastewater treatment works and needs help managing the contract for mechanical and electrical works, including blowers, aeration systems, pumps, mixers, and other equipment. Responsible for all aspects of the electronic design, installation and commissioning.		Electrical, Control and Instrumentation Engineer	R236million	November 2022	June 2026

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) Included

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Chief/Lead Resident Engineer

Demonstrate experience as the Chief/lead Resident Engineer on a construction project of R200 million (excl VAT) or greater that includes civil and mechanical/electrical interface, reinforced concrete, water retaining structures and pipelines.

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SEE FOLLOWING PAGES SUPPORTING DOCUMENTS ZIP VOLUME 2

Number of sheets appended by the tenderer to this Schedule .....1..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: ... [redacted] .....

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SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Chief/Lead Resident Engineer

Demonstrate experience as the Chief/lead Resident Engineer on a construction project of R200 million (excl VAT) or greater that includes civil and mechanical/electrical interface, reinforced concrete, water retaining structures and pipelines.								
Name:		Bekitemba Moyo		**Years of Experience (Post Qualification):**	27	**Current Employer**	Zutari	
Qualification:		MSc Water Resources Engineering and Management BEng (Honours) Civil and Water Engineering		**Date of Qualification Obtained:**	July 2005 October 1998			
Professional Registration:		ECSA		**Professional Registration No:**	201270408			
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	Rustenburg Platinum Mines [redacted].com	Polokwane Treated Effluent Transfer System (PTETS)	N/A	Mogalakwena Mine utilized treated sewage effluent (TSE) from Polokwane WWTW via a 50 km system with a 20 Ml/day allocation. Infrastructure concerns prompted investigations, leading to Zutari's phased upgrades, including gravity system improvements, pump enhancements, and refurbishments with advanced VSD-equipped stations. Responsible for design review, health ,safety and environment compliance monitoring; contract management as per the NEC 3 engineering and construction contract; review of preconstruction and post construction documents, day to day construction supervision and monitoring, quality control, periodic construction programme reviews and tracking, taking measurements; reviewing and certifying progress payments; compiling monthly, progress, financial and project budget control; and assessing and reviewing the contractor's compensation events. The post-construction activities will comprise testing and commissioning of the works, compilation of as built drawings, defects monitoring and remedies if any as well as evaluation of final account.	Resident Engineer	R20.4million	Oct 2019	May 2024
2	Emfuleni Local Municipality [redacted]	Sebokeng WWTW	N/A	Zutari was appointed in an open tender for the design and construction monitoring of the works comprising a new inlet works, a balancing tank, a primary settling tank, two 50Ml/d biological nutrient removal (BNR) activated sludge (AS) units, clarifiers, disinfection, and sludge treatment and disposal for the complete facility	Resident Engineer	R750million	November 2010	March 2023
3	Lesotho Ministry of Natural Resources Department of Water	Water supply infrastructure for the Lesotho Lowlands Water Development Project Phase II (LLWDP II)	N/A	Zutari was appointed as engineering consultant for the detailed design of water supply infrastructure in Zones 2 and 3 of the Lesotho Lowlands water development. The scope of works includes design review, design, tender documentation and assistance in the procurement of contractors and site supervision for the overall scheme. The design component includes the 35km transmission system (pipe diameters ranging from 450 to 900 mm grade x42 steel pipes,28km in total length and 90 to 250 mm uPVC pipes, 7km in total length) , reservoirs with a combined capacity of 25 Mℓ , proposed intake works and water treatment plant (25 Mℓ/d capacity) on the Hlotse River, clear water storage and pumping station, sludge treatment and other ancillary works. Zutari is also responsible for the preliminary, detailed design and construction supervision of the water distribution systems. Bekitemba is responsible for health and safety, construction monitoring and contract management as per FIDIC 2017 2nd Edition red book on the 28 km transmission mains, pump station as well as storage reservoirs with a combined capacity of 14.2 Mℓ. He reviews preconstruction and post construction documents , day to day construction supervision and monitoring, quality control, periodic construction programme reviews and tracking, taking measurements; reviewing and certifying progress payments; compiling monthly, progress, financial and project budget control; and assessing and reviewing the contractor's claims. The post-construction activities will comprise testing and commissioning of the works, compilation of as built drawings, defects monitoring and remedies if any as well as evaluation of final account.	Resident Engineer	R295million	April 2022	Ongoing (Estimated March 2026)

Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL)

SIGNED ON BEHALF OF TENDERER: [redacted]

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Quantity Surveyor

Demonstrate experience as the Quantity Surveyor on a construction project of R50 million (excl VAT) or greater that includes civil and mechanical/electrical interface, reinforced concrete, water retaining structures and pipelines

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SEE FOLLOWING PAGES SUPPORTING DOCUMENTS IN VOLUME 2

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

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SCHEDULE 12A: SPECIFIC EXPEREINCE OF KEY PERSONNEL CONT'D

Quantity Surveyor

Demonstrate experience as the Quantity Surveyor on a construction project of R50 million (excl VAT) or greater that includes civil and mechanical/electrical interface, reinforced concrete, water retaining structures and pipelines								
Name:		Mercy Mafu		**Years of Experience (Post Qualification):**	20	**Current Employer**	Zutari	
Qualification:		Bachelor of Quantity Surveying Honours Degree		**Date of Qualification Obtained:**	October 2005			
Professional Registration:		The Royal Institute of Quantity Surveyors		**Professional Registration No:**	6480790			
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	City of Cape Town [redacted]	Faure New Water Scheme	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. Responsible for co-ordinating the measurement of the respective disciplines across the project and the development of the cost reports. Included civil and mechanical/electrical interfaces, reinforced concrete, water retaining structures and pipelines.	Quantity Surveyor	R3.2 billion	October 2017	September 2026 (When current framework appointment will terminate)
2	City of Cape Town [redacted]	Revised BWAS Study - Muldersvlei 300 ML reservoir	194C/2020/21	Zutari was appointed to finalise the preliminary design for the Muldersvlei 300 ML reservoir and infrastructure, and to handle detailed design, implementation, and site supervision. Our services included environmental assessments of pipeline routes, geotechnical test pit drawings, and long section drawings for incoming and outgoing pipelines.	Quantity Surveyor	R800million	November 2021	October 2026
3	Lebalelo Water Users Association [redacted]	Construction supervision for De Hoop Dam	N/A	The project entailed the construction of the De Hoop Dam, Phase 2A of the Olifants River Water Resources Development Project (ORWRDP). The dam is a bulk storage facility augmenting water supplies in South Africa's Limpopo Province. The dam is an 88m high gravity structure with a crest length of 1,015 m and was constructed from roller compacted concrete (RCC) and conventional concrete. At full supply level, the reservoir covers a surface area of approximately 1,690 ha with a storage capacity of 347.6 million m³. The construction of the dam involved placing 750,000 m³ of RCC and 300,000m³ of conventional concrete. The outlet works consists of an integral intake tower with multiple intakes and 2 m diameter pipe work. The spillway consists of a 110 m long uncontrolled ogee gravity overflow structure.	Quantity Surveyor	R2billion	2012	2018
4	City of Cape Town [redacted]	Cape Flats Aquifer Management Scheme	194C/2020/21:	The City of Cape Town is developing the Cape Flats Aquifer as a sustainable ground water abstraction scheme to augment and diversify its water supply sources and improve resilience against droughts. The project is an indirect potable reuse scheme that entails replenishing the aquifer with purified recycled wastewater (40 ML/d), abstraction via clusters of boreholes, and further treatment at three new advanced water purification plants (AWPP) totalling a capacity of ~ 50 ML/d, before injection into the existing bulk network. Zutari was appointed to provide professional services for the ground water modelling, well-field infrastructure, the three AWPPs, and injection into the bulk water network. Responsible as lead design engineer for the Philippi WTW coordinating the design inputs from the multidisciplinary design team.	Design lead	R855million (anticipated construction value of Philippi WTW)	October 2021	September 2028 (When current framework appointment will terminate)

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) Included

SIGNED ON BEHALF OF TENDERER: [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Professional Architect

Demonstrate experience as a Professional Architect who has provided architectural input into Water and Wastewater Treatment Plants and Municipal Depots.

Name:			**Years of Experience (Post Qualification):**		**Current Employer**			
Qualification:			**Date of Qualification Obtained:**					
Professional Registration:			**Professional Registration No:**					
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
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SEE FOLLOWING PAGES SUPPORTING DOCUMENTS IN VOLUME 2

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SIGNED ON BEHALF OF TENDERER: .....[redacted].....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Professional Architect

Demonstrate experience as a Professional Architect who has provided architectural input into Water and Wastewater Treatment Plants and Municipal Depots.								
Name:		Alexander Stewart		**Years of Experience (Post Qualification):**	22	**Current Employer**	Alex Stewart and Partners	
Qualification:		Bachelor of Architectural Studies		**Date of Qualification Obtained:**	1995			
Professional Registration:		SACAP (South African Council for the Architectural Profession)		**Professional Registration No:**	7920			
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1	Drakenstein Local Municipality [redacted]	Paarl WWTW	CES 01/2023	The project entailed the conceptual planning, preliminary and detailed design, tender documentation and contract administration of upgrading and refurbishing the existing 35 Ml/day Paarl WWTW. The project is split into two construction phases. Phase 1 entails the upgrade and refurbishment of the liquid stream (new inlet works, primary settling tanks, new administration building, new guard house, new chlorine contact tank for disinfection, and general civil services, including all interconnecting pipework, roads and stormwater. Alex Stewart and Partners was appointed by Zutari for the architectural design of the new administration building and guardhouse (security hut). Responsible for architectural design, co-ordination, and interfacing between disciplines such as mechanical, structural, electrical and civil design.	Lead Architect	R418million	2023	Ongoing
2	City of Cape Town [redacted]	Macassar WWTW	194C/2020/21	The current Macassar WWTW currently operates at 48 Ml/day (ADWF) and will be upgraded to 120 Ml/day (ADWF). The project scope includes the upgrade and capacity extension of the existing WWTW which will include a new liquid stream (inlet works, PSTs, BNR reactors, SSTs, UV and chlorine disinfection) and a new sludge stream (gravity thickeners, anaerobic digesters, gas holding tanks, sludge holding tanks, CHP gas engines, dewatering facilities with linear screens and belt presses. Alex Stewart and Partners was appointed by Zutari for the architectural design of the new process operations administration building, the new workshop and stores building, and the new guardhouse. Responsible for architectural design, co-ordination, and interfacing between disciplines such as mechanical, structural, electrical and civil design	Lead Architect	R4.7billion	November 2021	Estimated completion December 27
2	City of Cape Town [redacted]	Upgrade of Zandvliet Wastewater Treatment Works (WWTW)	WW/T07/36	The Zandvliet Wastewater Treatment Works capacity is being extended from 72 Ml/d to 90 Ml/d. The Scope of Work includes project planning, process design, detail design, contract documentation, contract supervision and contract management related to the capacity extension and upgrading of the existing Works (associated infrastructure refurbishment). This includes civil, structural, geotechnical, mechanical, electrical and control disciplines. The scope of infrastructure included new two stage Archimedean screw pumps, inlet works, primary settling tanks, membrane biological reactor (MBR) and sludge dewatering building to accommodate the sludge from the existing and new treatment lanes. The project also included the refurbishment of the existing MBR and conventional activated sludge treatment lanes. The project further included a sludge treatment feasibility study which considered conventional and advanced sludge treatment options, including combined heat and power. Responsible for architectural design, co-ordination, and interfacing between disciplines such as mechanical, structural, electrical and civil design	Lead Architect	R1.4billion	2014	2025

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) incl

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Transaction Advisory/ PPP Specialist

Demonstrate experience as a transaction advisory/PPP Specialist in:
- Transaction advisory services (including PPP negotiation and contractual/institutional arrangements), with a focus on infrastructure projects.
- Contract design for the procurement/outsourcing of public utilities and other services.
- Thorough understanding and application of the Municipal Service Delivery and PPP Guidelines.
- MFMA Regulations (specifically the Public Private Partnerships regulations)
- Risk allocation or management.

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1								
2				SEE FOLLOWING PAGES IN VOLUME 2.				
3				SUPPORTING DOCUMENTS				
4								

Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: .....

[redacted]

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Transaction Advisory/PPP Specialist

Demonstrate experience as a transaction advisory/PPP Specialist in:
- Transaction advisory services (including PPP negotiation and contractual/institutional arrangements), with a focus on infrastructure projects.
- Contract design for the procurement/outsourcing of public utilities and other services.
- Thorough understanding and application of the Municipal Service Delivery and PPP Guidelines.
- MFMA Regulations (specifically the Public Private Partnerships regulations)
- Risk allocation or management.

Name:	John Samuel	**Years of Experience (Post Qualification):**	30	**Current Employer**	J Maynard
Qualification:	BSc Eng(Civil) Graduate Diploma Engineering (water & waste water treatment, coastal engineering) MBA (UCT)	**Date of Qualification Obtained:**	1971 1982 1985		
Professional Registration:	N/A	**Professional Registration No:**	N/A		

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The professional services for a proposed direct potable reuse of scheme to augment the water supply to Cape Town. Treated wastewater will be sourced from the existing Zandvliet WWTW, treated in a new Advanced Water Purification Plant (AWPP), and will then be directed to the existing Faure WTP to augment raw water sourced from dams. John has provided transaction advisory services to the project (including PPP negotiation and contractual/institutional arrangements) with a focus on infrastructure projects. He is advising the City (a public utility) on the procurement/outsourcing of water utilities. He has demonstrated deep knowledge of MFMA regulations and has assisted the client in understanding risk allocations and the associated management thereof.	PPP Specialist	R3,2 billion (Anticipated construction value)	October 2017	September 2026 (When current framework appointment will terminate)
2	City of Cape Town [redacted]	Paarden Eiland Desalination plant	2022/002/018	Feasibility Study update and Concept Design for the Paarden Eiland Desalination Plant sized to a capacity between 50 and 70 ML/d, including engineering support on required project items and processes. Responsible for assisting the project team with all necessary Transaction advisory services for the Section 78 process currently underway for this project.	PPP Specialist	R6.5billion (Anticipated construction value)	February 2025	September 2026 (When current framework appointment will terminate)

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL) including

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Financial Advisor

The Financial Advisor must demonstrate relevant experience and broad understanding of economics, financial and legal aspects within the local government environment including in particular:
- Financial feasibility analyses, modelling and business planning
- Tariff design, modelling and review
- Sensitivity and scenario analyses risk identification and mitigation
- Contract design and transaction advisory services for the outsourcing of public utility and other services.
- Procurement and implementation of PPP/DBFO or similar projects.

Name:				**Years of Experience (Post Qualification):**		**Current Employer**		
Qualification:				**Date of Qualification Obtained:**				
Professional Registration:				**Professional Registration No:**				
Project	**Client (Name, Tel, Email)**	**Project Name**	**Contract/Project No.**	**Project Description**	**Position Held**	**Value of Work (R)**	**Start Date**	**End Date**
1								
2								
3				SEE FOLLOWING PAGES SUPPORTING DOCUMENTS IN VOLUME 2				
4								

Number of sheets appended by the tenderer to this Schedule ..... 1 ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

[redacted]

SCHEDULE 12A: SPECIFIC EXPERIENCE OF KEY PERSONNEL CONT'D

Financial Advisor

The Financial Advisor must demonstrate relevant experience and broad understanding of economics, financial and legal aspects within the local government environment including in particular:
- Financial feasibility analyses, modelling and business planning
- Tariff design, modelling and review
- Sensitivity and scenario analyses risk identification and mitigation
- Contract design and transaction advisory services for the outsourcing of public utility and other services.
- Procurement and implementation of PPP/DBFO or similar projects.

Name:	Willem van Zyl	**Years of Experience (Post Qualification):**	30	**Current Employer**	Independent consultant
Qualification:	BComm, BComm Hons, (Economics), MComm (Economics)	**Date of Qualification Obtained:**	1991 1992 1993		
Professional Registration:	N/A	**Professional Registration No:**	N/A		

Project	Client (Name, Tel, Email)	Project Name	Contract/Project No.	Project Description	Position Held	Value of Work (R)	Start Date	End Date
1	City of Cape Town [redacted]	Faure New Water Scheme (FNWS)	194C/2020/21	The City of Cape Town wishes to construct a direct potable reuse plant treating water from the Zandvliet wastewater treatment works (WWTW) to a standard suitable for feeding the existing Faure water treatment works (WTW). Responsible for supporting financial feasibility analyses, modelling and business planning to aid in tariff design, modelling and review. Undertook a risk sensitivity and scenario analysis for the identification and mitigation or risks. Provided contract design and advisory services for the outsourcing of bulk water services to the City as part of the Section 78 process. Advising the City on the procurement and implementation of PPP for the Faure NWS.	Financial Specialist	R3,4billion	October 2017	September 2026 (When current framework appointment will terminate)
2	Broll-Optimuit Consortium	Integrated Renewable Energy and Resource Efficiency Programme – IREREP (South Africa)	N/A	The Departments of Public Works and Correctional Services are implementing multi-window procurement processes for energy, renewable, water, and waste efficiency contracts across the country. The contracting vehicle is an availability payment style PPP where the service provider invests and assumes the risk of targeted efficiency improvements. The appointment covers two contract areas. Responsible to integrate the various service providers' financial inputs, prepare financial model and support arranging finance.	Transaction & Financial Advisor	N/A	2023	2024

Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL)

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

SCHEDULE 13: SUPPORT RESOURCES

The tenderer is referred to the appropriate clause(s)of the Tender Data and shall state below what structural analysis software packages are available for use on this project and whether or not they are currently owned/licensed by the tenderer, or are available through other means.

STRUCTURAL ANALYSIS SOFTWARE PACKAGE/S AVAILABLE FOR USE		
NAME OF PACKAGE	DESCRIPTION	CURRENTLY OWNED/ LICENCED OR OTHER
Revit (2025)	BIM software for designing, modelling and documenting buildings and infrastructure. It enables 3D design, analysis and visualization streamlining the design and construction process.	Licensed from Autodesk
Civil 3D (2025)	BIM software for civil infrastructure design. Enables engineers to model, analyse and document civil works. Enables CAD.	Licensed from Autodesk
Plant 3D	Software for the design and modelling of industrial plants. It allows for creating P&IDS & 3D models including piping, equipment and structures.	Licensed from Autodesk
PROKON	Structural analysis and design suite	License owned
P&IDS	Parametric Drawing and detailing system (P&IDS) is a CAD based tool for detailing reinforced concrete and steel structures	License owned
ACC	Autodesk construction cloud is a collaboration tool for BIM projects	Licensed from Autodesk

SIGNED ON BEHALF OF TENDERER:..... [redacted] .....

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 14: PROFESSIONAL INDEMNITY INSURANCE

The tenderer is referred to the appropriate clause(s)of the Tender Data and shall state below details of the professional indemnity insurance held by the tenderer. Where the tenderer is a joint venture, each party to the joint venture must submit details of their professional indemnity insurance. Proof of insurance or confirmation from a reputable Insurance Broker that the tenderer is eligible for the prescribed professional indemnity insurance cover should he/she be awarded the contract, must be appended to this schedule.

PROFESSIONAL INDEMNITY INSURANCE		
NAME OF INSURED	NAME OF INSURER	LIMIT OF INDEMNITY IRO EACH CLAIM
ZUTARI (PTY) LTD	AON SOUTH AFRICA	GENERAL LIABILITY – ZAR 20M EMPLOYER'S LIABILITY – ZAR 20M STATUTORY LEGAL DEFENCE COSTS – ZAR 500 000-00 WRONGFUL ARREST / DEFAMATION – ZAR 500 000-00 CLAIMS PREPARATION COSTS – ZAR 1M PROFESSIONAL INDEMNITY (PI) of ZAR 50m PLEASE REFER TO VOLUME 2 TAB 6 FOR PI INSURANCE CONFIRMATION

[redacted]

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

[redacted]

SCHEDULE 15: FUNCTIONALITY CRITERIA

The Tenderer shall provide information for the functionality criteria listed in Returnable Schedules 11, 12 and 17

The Tenderer's attention is drawn to Clause C.2.1.4.4 in the Tender Data for a more detailed explanation of the functionality criteria given in the table below and how the score will be calculated (with applicable values).

Description of quality criteria	Score for Functionality	Weighting Factor	Maximum possible score
Work Experience of Tenderer	50	1	50
Specific experience of key personnel	50	1	50
ISO 9001 : 2008 Certification	5	1	5
Maximum possible score	**Not Applicable**	**Not Applicable**	**105**

The minimum score for functionality is **70**. Tenderers that fail to achieve the minimum score for functionality will be declared non-responsive.

SIGNED ON BEHALF OF TENDERER: ..... [redacted] .....

(SUPERSEDED BY 184(R))

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION : BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 15: FUNCTIONALITY CRITERIA

The Tenderer shall provide information for the functionality criteria listed in Returnable Schedules 11, 12 and 17.

The Tenderer's attention is drawn to Clause C.2.1.1.2 in the Tender Data for a more detailed explanation of the functionality criteria given in the table below and how the score will be calculated (with applicable values).

Description of quality criteria	Score for Functionality	Weighting Factor	Maximum possible score
Work Experience of Tenderer	50	1	50
Specific experience of key personnel	50	1	50
ISO 9001 : 2015 Certification	5	1	5
Maximum possible score	**Not Applicable**	**Not Applicable**	**105**

The minimum score for functionality is **70**. Tenderers that fail to achieve the minimum score for functionality will be declared non-responsive.

SIGNED ON BEHALF OF TENDERER: [redacted] .....

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 16: PROPOSED WORK PLAN

Not applicable to this tender

SIGNED ON BEHALF OF TENDERER: ...[redacted]..... .....

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 17: CONFIRMATION OF REGISTRATION / ACCREDITATION

ISO 9001: 2008 Certification

The tenderer is referred to the appropriate clause(s) of the Tender Data and shall state below details of being compliant to the International Organization for Standardization's ISO 9001: 2008 quality management standard. Proof of certification must be attached to this schedule

Where a quality management standard system has been approved in terms of ISO 9001: 2008, state registration certificate number and standard.

Certificate No: .....

SANS 9001

Where a QA system has been approved in terms of SANS 9001, state registration certificate number and standard.

Certificate No: .....

SANS 14001

Where an Environmental Management System has been approved in terms of SANS 14001, state registration certificate number and standard.

Certificate No: .....

OHSAS 18001

Where an Occupational Health and Safety (OHS) Management System has been approved in terms of OHSAS 18001, state registration certificate number and standard.

Certificate No: .....

SUPERSEDED BY PAGE (S&P)

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

SCHEDULE 17: CONFIRMATION OF REGISTRATION / ACCREDITATION

ISO 9001: 2015 Certification

The tenderer is referred to the appropriate clause(s) of the Tender Data and shall state below details of being compliant to the International Organization for Standardization's *ISO 9001: 2015* quality management standard. Proof of certification must be attached to this schedule

Where a quality management standard system has been approved in terms of *ISO 9001: 2015*, state registration certificate number and standard.

Certificate No: 10637989

SANS 9001

Where a QA system has been approved in terms of SANS 9001, state registration certificate number and standard.

Certificate No: 10637989

SANS 14001

Where an Environmental Management System has been approved in terms of SANS 14001, state registration certificate number and standard.

Certificate No: WHILE ZUTARI (PTY) LTD IS NOT ISO 14001 ACCREDITED, THE COMPANY DOES HAVE AN IMPLEMENTED ENVIRONMENTAL POLICY.

OHSAS 18001

Where an Occupational Health and Safety (OHS) Management System has been approved in terms of OHSAS 18001, state registration certificate number and standard.

Certificate No: WHILE ZUTARI (PTY) LTD IS NOT OHSAS 18001 ACCREDITED, THE COMPANY DOES HAVE A HEALTH AND SAFETY POLICY IN PLACE AND A HEALTH AND SAFETY MANAGEMENT FRAMEWORK THAT SUPPORTS PROJECT DELIVERY.

SIGNED ON BEHALF OF TENDERER: [redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 18: OTHER CRITERIA

Not Applicable to this tender

SIGNED ON BEHALF OF TENDERE[redacted] .....

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 19: PERSONNEL SCHEDULE (OTHER THAN KEY PERSONNEL)

Not applicable to this tender

SIGNED ON BEHALF OF TENDERER: .....[redacted].....

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 20: SCHEDULE OF SUB-CONTRACTORS

We notify you that it is our intention to employ the following sub-contractors for work (excluding work covered by provisional sums and contingencies) in this contract.

Acceptance of this tender shall not be construed as approval of all or any of the listed sub-contractors. Should any of the sub-contractors not be approved subsequent to acceptance of the tender, this shall in no way invalidate the contract, and the tendered unit rates for the various items making up the work activities shall remain final and binding.

SUB-CONTRACTORS		
Sub-contractor's name	Work activities to be undertaken by the Sub-contractor	Estimated value of work (Rand)
KEY SUB-CONSULTANTS [redacted]	Architecture	N/A
	B-BBEE and Socio-economic Specialist	N/A
	Transaction advisory / PPP specialist	N/A
	Legal adviser	N/A
	Local Government Adviser	N/A
	Financial Adviser	N/A
ADDITIONAL SUB-CONSULTANTS [redacted]	Traffic impact specialist	N/A
	Conveyancers	N/A
	Hazardous Substance Management	N/A
	Cathodic Protection	N/A
	Land Surveyor	N/A
	Health and Safety Agent	N/A
	Geohydrological Services	N/A
	Landscape Architects	N/A

Number of sheets appended by the tenderer to this Schedule ..0.. (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 21: DEVIATIONS AND QUALIFICATIONS BY TENDERER

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter attached to his tender and reference such letter in this schedule. Any deviations or qualifications contained in a covering letter which is not referenced in this schedule will not be considered.

The Tenderer's attention is drawn to clause C.3.8 of the Standard Conditions of Tender referenced in the Tender Data regarding the Employer's handling of material deviations and qualifications.

If no deviations or modifications are desired, the schedule hereunder is to be marked NIL and signed by the Tenderer.

PAGE	CLAUSE OR ITEM	DEVIATION OR QUALIFICATION

Number of sheets appended by the tenderer to this Schedule ..... (If nil, enter NIL).

SIGNED ON BEHALF OF TENDERER: .....[redacted].....

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 22 : RECORD OF ADDENDA TO TENDER DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.	03/07/2025	ADDENDUM NO 1
2.	17/07/2025	ADDENDUM NO 2
3.	30/07/2025	ADDENDUM NO 3
4.	05/08/2025	ADDENDUM NO. 4
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

SCHEDULE 23 : PRICE BASIS FOR IMPORTED RESOURCES

VALUE OF IMPORTED RESOURCES TO BE ADJUSTED					Customs Surcharge		Customs Duty*		Total in Rand of (C) + (D) + (E) included in Schedules of Quantities Item
Schedules of Quantities Item No.	Description of Resources	Value in Foreign Currency (A)	Rate of Exchange as at BASE DATE (B)	Value in Rand (A) x (B) (C)	%	Rand (D)	%	Rand (E)	(F)

NOUE ATTUCABLE

* State Customs Duty Tariff Reference for each item

Note:
Note that any Resources not inserted in this schedule shall be deemed to be manufactured / supplied in South Africa for the purposes of Contract Price Adjustment.
The BASE DATE referred to in column (B) will be7 calendar days before tender closing.

SIGNED ON BEHALF OF TENDERER: [redacted]

[redacted]

SCHEDULE 24: PREFERENCE SCHEDULE

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **To be completed by the organ of state**

(delete whichever is not applicable for this tender).

a) The applicable preference point system for this tender is the 90/10 preference point system.

b) Either the 90/10 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

(a) Price; and

(b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

Definitions

The following definitions shall apply to this schedule

(a) "tender" means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;

(b) "price" means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;

(c) "rand value" means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

(d) "tender for income-generating contracts" means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and

(e) "the Act" means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 90 points is allocated for price on the following basis:

90/10

$$Ps = 90\left(1 - \frac{Pt - P\,min}{P\,min}\right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

(a) an invitation for tender for income-generating contracts, that 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or

(b) any other invitation for tender, that the 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for the 90/10 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)
Gender	3	0.25
Race	3	1.03
Disability	1	0.00
Promotion of Micro and Small Enterprises	3	0.86

PLEASE REFER TO VOLUME 2 FOR BEE CERTIFICATE

[redacted]

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm: ZUTARI (PTY) LTD

4.4. Company registration number: 1977/003711/07

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☒ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[Tick applicable box]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

i) The information furnished is true and correct;

ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;

iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 4.1 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;

iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

(a) disqualify the person from the tendering process;

(b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;

(c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;

(d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and

(e) forward the matter for criminal prosecution, if deemed necessary.

[redacted]

SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME: [redacted]

DATE:

ADDRESS: 1 CENTURY CITY DRIVE
WATERFORD PRECINCT
CENTURY CITY
CAPE TOWN

[redacted]

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 25: REGIONS OF PREFERENCE

Not applicable to this tender

SIGNED ON BEHALF OF TENDERER: . . . [redacted] . . . . . .

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

SCHEDULE 26: APPEAL APPLICATION (ANNEXURE B)

annexure 'B'

OFFICIAL RECEIPT
(Valid only if printed by official cash receipting machine)

IRISITI ESESIKWENI
(Isemthethweni kuphela xa ishicilelwe ngumatshini wokukhupa irisiti osesikweni.)

AMPTELIKE KWITANSIE
(Geldig alleenlik indien deur amptelike kontantvangs masjien gedruk.)

GL DATA CAPTURE RECEIPT
(CASHIERTO RETAIN A COPY)

RECEIPT NO: _____

DATE: _____

SAP GL:
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PROFIT CENTRE:
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NAME/COMPANY NAME:

AMOUNT:
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SERVICE DEPARTMENT DETAILS-

DEPARTMENT: LEGAL SERVICES: APPEALS UNIT

CONTACT PERSON: CHARLENE CEBEKHULU / MELANIE CLOETE

PHONE NO: 021 400 2503 / 021 400 3788

OFFICIAL RECEIPT
(Valid only if printed by official cash receipting machine)

IRISITI ESESIKWENI
(Isemthethweni kuphela xa ishicilelwe ngumatshini wokukhupa irisiti osesikweni.)

AMPTELIKE KWITANSIE
(Geldig alleenlik indien deur amptelike kontantvangs masjien gedruk.)

GL DATA CAPTURE RECEIPT
(CASHIERTO RETAIN A COPY)

RECEIPT NO: _____

DATE: _____

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PROFIT CENTRE:
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NAME/COMPANY NAME:

AMOUNT:
| | | | | | R | 3 | 0 | 0 | - | 0 | 0 |

SERVICE DEPARTMENT DETAILS-

DEPARTMENT: LEGAL SERVICES: APPEALS UNIT

CONTACT PERSON: CHARLENE CEBEKHULU / MELANIE CLOETE

PHONE NO: 021 400 2503 / 021 400 3788

CIVIC CENTRE IKHO LOLUNTU BURGERSENTRUM
12 HERTZOG BOULEVARD CAPE TOWN 8001 P O BOX 298 CAPE TOWN 8000
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Making progress possible. Together.

[redacted]

[redacted]

CITY OF CAPE TOWN

WATER & SANITATION: BULK SERVICES

CONTRACT NO. 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

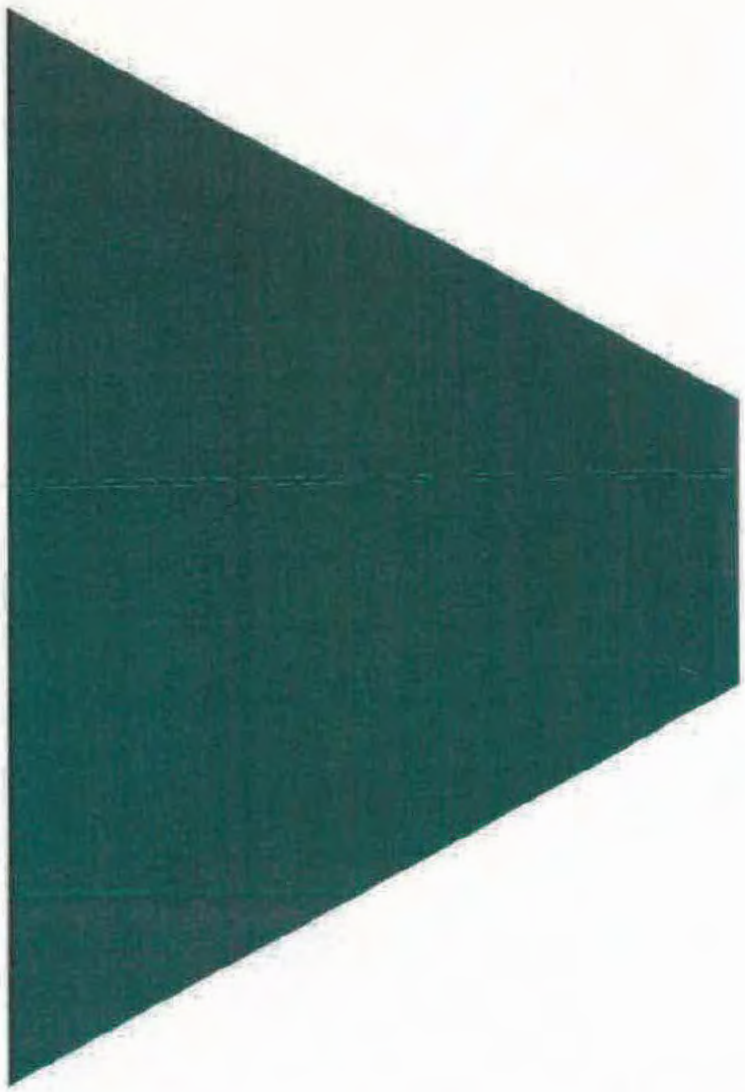
SCHEDULE 27: INFORMATION TO BE PROVIDED WITH THE TENDER

Not applicable to this tender

SIGNED ON BEHALF OF TENDERER: [redacted] .....

[redacted]

SCHEDULE 12 :
Project Leader/ Engineer



[redacted]

[redacted]

Design Director | Expertise Leader: Water and Wastewater Treatment

Qualifications
MSc Engineering (Water and Wastewater Treatment)
BSc Engineering (Civil) (Hons)

Professional registrations
Professional Engineer, Engineering Council of South Africa (ECSA)

Specialisation
Water and wastewater treatment

Years in industry
29

Summary

[redacted]erves as the water and wastewater treatment expertise leader for Zutari where he leads a team of consulting professionals in shaping the future for urban water-resilience and water stewardship. He has more than 29 years of experience in the planning, design, implementation, commissioning and operation of water and wastewater treatment solutions, with projects ranging from specialist process advice and plant optimisation to large multi-disciplinary infrastructure delivery projects. He has led several innovative and award-winning projects and has provided specialist advice both at home and abroad.

[redacted]rives in the planning and conceptualisation phase of projects, leading teams to understand and define the key challenges, objectives and solutions, and bringing together the perspectives of various disciplines and specialities to provide an optimum outcome. This is particularly so in the field of water reuse, where his understanding of wastewater, advanced potable water purification, and international best practise, is called upon together with his communication and collaboration skills.

[redacted] has a sound understanding of aquatic chemistry, the modelling of microbiological systems, and the spectrum of water and wastewater treatment processes. He holds a master's degree in water and wastewater treatment, engineering from the University of Cape Town. His research focussed on aquatic chemistry and modelling of microbiological systems.

Relevant experience

Faure new water scheme, South Africa, Western Cape, City of Cape Town, 10/2017 - present, Project Director

The project is a new scheme for direct potable reuse of wastewater to augment the domestic water supply to Cape Town. The advanced purification plant is to be equipped initially for a capacity of 70 Ml/d, with certain components sized for a future 100 Ml/d. The process train includes tertiary biofiltration for nitrate polishing, ozonation, bromate suppression, biological activated carbon filtration, granular activated carbon filtration, ultrafiltration, and ultraviolet light advanced oxidation. Zutari was appointed to undertake the full range of consulting services, including feasibility planning, concept and detailed design, preparation of construction contract documentation, arranging regulatory approvals, assistance with a comprehensive public engagement campaign, and to serve as the Transaction Advisor for potential implementation via a Public-Private Partnership. Zutari also gave guidance to the client in the concept design of a 10 Ml/d Demonstration Plant, lead the associated hazard analysis and critical control point (HACCP) assessment, and guided the validation testing and commissioning of this plant.

Responsible for leading all aspects of the project including the Transaction Advisory team; the planning, design, procurement and the overall project; for guiding process, concept and detailed design; for advising the client on all aspects of the project from public engagement through to future operations; for assisting the client to design and implement a public engagement strategy; for directing the team in preparation of publicity materials; for guidance of the media team responsible for two publicity videos; for assisting in presentations to and engagements with key government, institutional, academic, religious and political stakeholders. Also set up an international peer review and facilitated collaboration with the reviewer to ensure consistency with latest international developments and best practice and assisted in setting up an international expert advisory panel to provide support through design, construction, validation and operational phases. Also responsible for leading all aspects of work associated with the Demonstration Plant, including the incorporation of the plant into the public engagement campaign and production of publicity materials.

[redacted]

Cape Flats managed aquifer replenishment water supply scheme, South Africa, Western Cape, City of Cape Town Water & Sanitation , 10/2021 - 11/2024, Project Executive

The City of Cape Town is developing sustainable ground water abstraction projects to augment and diversify its water supply sources and improve resilience against droughts. This project entails the re-charging of the Cape Flats Aquifer with purified recycled wastewater (40 Ml/d), abstraction and further advanced purification at four new plants, totalling a capacity of ~ 50 Ml/d, before injection into the existing bulk network. Zutari was appointed to provide all professional services for the ground water modelling, well-field infrastructure, the three advanced purification plants, and injection. Responsible for directing the project, including technical, commercial, multi-disciplinary engineering aspects; risk mitigation; water safety planning; regulatory approval; stakeholder engagement support; construction phase (overseeing and leading multiple construction phase management teams via a portfolio of contracts based on the General Conditions of Contract for Construction Works, 2015, and the FIDIC Conditions of Contract, 1999, and JBCC Principal Building Agreement,2018).

Water reuse programme lead, South Africa, Western Cape, City of Cape Town Water & Sanitation, 11/2021 - 06/2024, Programme Executive

Appointment as a specialist consultant to serve as the Programme Lead for the City of Cape Town direct and indirect potable water reuse plans. Responsibilities included guidance and support to client and Water Research Committee for the establishment and running of an independent advisory panel, stakeholder engagement, guiding and implementing the communication strategy; strategic guidance leadership, and coordination for appropriate, successful, and sustainable implementation of water reuse in Cape Town; assistance in investigating scheme operational models (outsourcing versus internal) and staffing requirements and selection of the most appropriate solutions; investigating, advising, planning, and assisting with navigating and complying with legislative and internal supply chain requirements related to the operation of the schemes; strategic guidance to ensure integrated and uniform treatment, operation, water safety, and validation protocols across different water reuse schemes, taking account of developing international best practice and guidance and monitoring of the overall water reuse programme.

Zandvliet wastewater reuse, South Africa, Western Cape, City of Cape Town Water & Sanitation , 09/2017 - 06/2024, Project Executive

The project entailed the provision and operation of a 10 Ml/d advanced purification demonstration plant to purify treated wastewater to drinking water quality. Zutari was appointed to provide specialist guidance to the City of Cape Town to lead the HACCP assessment; to direct the supplier/operator in the concept design and commissioning; to undertake the validation testing and comprehensive water quality monitoring; and to assist with troubleshooting and community engagement. Zutari also undertook the full spectrum of consulting services to plan, design, procure, and manage construction of pipelines and other infrastructure to allow integration of the demonstration facility with the existing Zandvliet WWTW and to inject product water into the bulk water supply system. Responsible for directing the project, specialist advice, and public and stakeholder engagement. Also served as the Employer's Agent for two contracts based on the General Conditions of Contract for Construction Works, 2015.

Water reuse strategic study, South Africa, Western Cape, City of Cape Town, 02/2022 - 06/2024, Technical Director and Team Leader

The City of Cape Town requires the surface water supplies to the city to be augmented by 300Ml/d by 2030, whereafter an adaptable implementation programme will be required to meet future needs. Water reuse has been identified as an important source to meet the growth in water demand and to ensure that the city does not face severe restrictions. Water reuse needs to be implemented in a strategic and sustainable manner, with transparent demonstration of the requisite due diligence, and in partnership with key stakeholders. The study objective is to develop a blueprint for water reuse in Cape Town to be implemented under the adaptable implementation programme. The study will determine the strategic approach that the city should follow with respect to water reuse and will identify at reconnaissance and pre-feasibility level which water reuse schemes could follow the implementation of the Faure NWS. Responsible for high-level guidance of the team and overall accountability to the client.

Process engineering services: Drakenstein water reuse project, South Africa, Western Cape, Municipality of Drakenstein, 06/2020 - 10/2023, Project Director

Drakenstein Municipality commissioned a study to establish the feasibility of potable and industrial water reuse to be implemented via a Public Private Partnership. Zutari was appointed as a sub-consulting specialist technical advisor, responsible for the options analysis and conceptual design of phased advanced water purification plant options with associated life-cycle economic analysis. Responsible for directing the project.

Pniel wastewater treatment works (WWTW), South Africa, Western Cape, Stellenbosch Local Municipality, 01/2018 - 06/2022, Specialist Advisor

Zutari was appointed for the upgrade and extension of the existing Pniel wastewater treatment works (WWTW) to 4.5 Ml/d comprising a new inlet works, new secondary settling tank, a biological reactor, aerobic digester, disinfection facilities and sludge dewatering facilities. Responsible for investigating and reporting on upgrading requirements and the provision of phosphorus removal facilities.

Design and supervision of boreholes, water treatment works (WTW) and pump stations in Tete, Mozambique, Tete, Fundo De Investim E Patrimonoi Abas, 01/2020 - 06/2022, Water Treatment Specialist

The project involves the rehabilitation and construction of electro-mechanical equipment and civil works for 60 new and existing boreholes, a 30Ml/d water treatment plant, pumping stations (up to 1 MW), and implementation of a supervisory control and data acquisition (SCADA) system to improve the water supply to the towns of Tete and Moatize in in two towns in Mozambique. Zutari was appointed to provide the design, construction contract procurement, and construction supervision consultancy services for this project. Responsible for leading the work related to the water treatment works.

Durban water reuse plant upgrade, South Africa, KwaZulu-Natal, eThekwini Municipality, 08/2021 - 02/2022, Lead Technical Director for water reuse planning and design

The City of eThekwini in the province of KwaZulu Natal owns and outsources the operation of the Durban Water Reuse Plant (DWRP). The plant, which has an operational capacity of 30Ml/d, treats wastewater from the Southern Works for industrial reuse by nearby industrial facilities. Zutari were appointed as the design consultant for an EPC consortium to refurbish and upgrade the DWRP to produce 20Ml/d of potable water for direct potable reuse and 19Ml/d of industrial reuse water. Zutari were responsible for the condition assessment as well as the subsequent design and documentation stages and were an integral part of the EPC team in preparing the EPC submission and pricing. Responsible for directing the planning and design for the advanced purification plant for industrial and potable water reuse.

Wyaralong process review: process validation assessment and long-list options development, Australia, Queensland (QLD), Seqwater, 01/2020 - 12/2021, Process Specialist

Seqwater is planning new water treatment and distribution infrastructure to provide for the current population and predicted growth in the areas around Logan. This would include construction of the proposed Wyaralong water treatment plant at the Cedar Grove Weir. The plant would have an ultimate capacity of 120 Ml/d and would treat water from the Wyaralong Dam. The appointment entailed undertaking a study to identify a list of potential treatment process trains based solely on suitability to achieve the treated water quality targets. As part of the study, a spreadsheet-based process evaluation tool was developed. The objective of the study was to provide guidance for further detailed investigations and planning, building toward a viable business case for the water treatment plant. Responsible for guiding the process evaluation, development of the spreadsheet-based model, and related reporting.

Upgrading of the Zandvliet wastewater treatment works (WWTW), South Africa, Western Cape, City of Cape Town, 03/2014 - 12/2024, Project Director

Zutari was appointed to analyse/plan and design equipment and infrastructure for the capacity extension and refurbishment of Zandvliet wastewater treatment works (WWTW). The refurbishment includes the Maccassar pump station, and the Black-Mac screening station and pipeline. Zutari was responsible for the documentation and procurement, and contract administration and construction supervision. The project entails the upgrading of the existing plant (rated at 72 Ml/d but only able to handle ~ 54 Ml/d) to 90 Ml/d, with some infrastructure sized for 120 Ml/d for reliability/standby and some for the future 150 Ml/d capacity). The infrastructure includes a new membrane biological reactor (MBR) plant (18 Ml/d at n+1, 27 Ml/d at n); re-equipping an existing 18Ml/d MBR plant; alleviation of bottleneck problems in the existing conventional activated sludge plant; a new 150 Ml/d inlet works, Archimedean screw pump stations, primary settling tanks (90 Ml/d at n+1, 120 Ml/d at n), and sludge dewatering facilities to process 30 tons/day (dry solids) primary sludge and 26 tons/day waste activated sludge. Zutari was appointed to undertake the full range of consulting services, including feasibility planning, concept and detailed design, procurement of construction contracts, contract administration, supervision, and arranging regulatory approvals. Responsible as Project Director for the entire project, up to end of procurement stage, where after handed leadership to a colleague, and then served as peer advisor. (Guided preparation of a portfolio of large contracts based on the General Conditions of Contract for Construction Works, 2015, and the FIDIC Conditions of Contract, 1999, and advised the Employer's Agent and the Engineer on key issues during construction).

Upgrading of Churchill water treatment works (WTW), South Africa, Eastern Cape, Nelson Mandela Bay Metropolitan Municipality (NMBMM), 02/2007 - 06/2020, Technical Director

Zutari was appointed to undertake the planning, design, preparation of contract documentation for construction phase procurement, construction administration and supervision for the upgrading of the 105 Ml/d Churchill WTW and associated raw water supply pump station. The upgrading of the raw water pump station was completed, together with planning and concept design for the water treatment works. The latter entailed a new super-high-rate coagulation-flocculation-sedimentation facility to replace the existing infrastructure; new solids/residuals handling facilities; complete overhaul and re-equipping of the entire plant; new chemical dosing facilities; along with replacement and modernisation of all control, instrumentation and SCADA systems. The client has now stopped the project to allow available funding to be used to develop non-surface water sources in an effort to diversify supply in response to on-going drought. Personal responsibilities included directing the planning, detailed design, preparation of procurement contracts, and guided administration.

Construction of the Meulwater water treatment works (WTW) Phase 3, South Africa, Western Cape, Drakenstein Local Municipality, 12/2014 - 06/2020, Project Director

Zutari was appointed for the planning, concept and detailed design, procurement of the construction contract, contract administration, and supervision, for the upgrading of the 8 Ml/d Meulwater water treatment works (WTW), to include powdered activated carbon (PAC) dosing for control of algal metabolites and to incorporate dissolved air

flotation into the existing filters (convert to DAFF). Responsible for directing the project and guiding the design.

Kei Road water treatment works (WTW) and conveyance project, South Africa, Eastern Cape, Buffalo City Metropolitan Municipality (BCMM), 11/2012 - 02/2020, Technical Director

In order to meet the growing water demand anticipated for the Bhisho and Berlin areas, Buffalo City Metropolitan Municipality identified the Kei Road Water Treatment Works and Conveyance Project to improve the treated drinking water supply to the Upper Buffalo Water Supply Scheme. Zutari was appointed to provide the full range of consulting services for the construction of a water treatment works, a 5 km raw water pipeline, raw water storage dam, and 27 km treated water pipeline. Responsible for directing the team responsible for the design of the water treatment works, and for overseeing preparation of associated procurement contracts and administration of these contracts.

Welvanpas water treatment works (WTW), South Africa, Western Cape, Drakenstein Local Municipality, 04/2012 - 06/2019, Project Director

The Drakenstein Municipality decided to construct a new 10 Ml/d water treatment works to treat and maximise the use of local surface water sources, which are soft, low in turbidity and alkalinity, and deficient and calcium species. The plant is designed as a direct filtration plant, operating in declining rate mode, and allows for future incorporation of dissolved air flotation into the filters in case of increased algal problems. Zutari was appointed to undertake the full range of consulting services, form planning and design, to construction supervision and commissioning. Personal responsibilities included the design, and overall directing of the project. Guided preparation of contracts based on the General Conditions of Contract for Construction Works, 2015, and the FIDIC Conditions of Contract, 1999, and guided the Engineer for the latter.

Wiggins ultrafiltration (UF) water treatment works (WTW), South Africa, KwaZulu-Natal, Umgeni Water, 10/2015 - 12/2018, Project Director

Zutari was appointed for the detailed engineering design, construction contract procurement, and construction supervision of a 10 Ml/d ultrafiltration potable water plant to be located at the existing Wiggins water treatment works (WTW) in Durban, to enable Umgeni Water to evaluate UF technology against conventional treatment. Personal responsibilities involved directing the overall project.

Upgrading of Elandsjagt water treatment works (WWTW), South Africa, Eastern Cape, Nelson Mandela Bay Metropolitan Municipality (NMBMM), 01/2004 - 06/2021, Project Director

Zutari was appointed for the full spectrum of consulting services to upgrade and modernise the 105 Ml/d Elandsjagt water treatment works (WWTW), from plant performance investigations, feasibility planning, regulatory approvals, and detailed design, through to construction contract procurement, and construction management and supervision. The underperforming plant capacity was doubled from 35 to 70 Ml/d via low-cost process improvements. Upgrades include a new 35 Ml/d flocculation and sedimentation facility; structural repairs and re-equipping of the existing 110 Ml/d filters; four new 680 kW variable speed controlled raw water pumps and associated refurbishment work in the abstraction tower; new chemical dosing facilities for the entire plant; and replacement and modernisation of all control, instrumentation as well as supervisory control and data acquisition (SCADA) systems for the entire plant. Responsible initially as Design Leader and Project Manager, and then as Project Director for the overall leading of the project. Served as the Engineer for one of the main FIDIC Conditions of Contract, 1999, contracts. Also, responsible for overseeing and leading multiple construction phase management teams via a portfolio of contracts based on the General Conditions of Contract for Construction Works, 2015, and the FIDIC Conditions of Contract, 1999.

Swartkops desalination plant, South Africa, Eastern Cape, Nelson Mandela Bay Metropolitan Municipality (NMBMM), 02/2010 - 06/2018, Design Director

Nelson Mandela Bay Metropolitan Municipality (NMBMM) appointed Zutari to provide consulting services for an emergency drought relief initiative. Arising from this, a 30 Ml/d desalination plant was proposed to be constructed along the banks of the Swartkops estuary, on the site of a de-commissioned power station. Zutari was then commissioned to prepare design and contract documentation for procurement and construction of the plant. Personal responsibilities consisted of leading the design and contract documentation team and guiding the extensive raw sea water quality testing programme to inform the pre-treatment design. The work provided opportunity to research sound international methodology for the preparation of medium scale desalination plant contracts as well as to apply this in the South African context accounting for local contract nuances and legislative requirements.

Coega Kop Borehole Water Supply Scheme, South Africa, Eastern Cape, Nelson Mandela Bay Metropolitan Municipality (NMBMM), 02/2010 - 06/2018, Technical Director

Zutari was appointed to undertake the full range of consulting services from planning and design to construction administration and commissioning for the development of a groundwater supply scheme to supplement supply to Port Elizabeth. Water is to be sourced from a deep-water aquifer, and is rich in iron and manganese, soft, acidic and aggressive. The project includes the equipping of boreholes, and construction of pipelines and a 20 Ml/d biofiltration plant for iron and manganese removal. Responsible, as Design Director, for the treatment requirement planning, leading the design of the biofiltration plant, and for associated contract document preparation and procurement. Also responsible for design support during construction, guidance on contract administration (to Employer's Agent) and quality monitoring, commissioning and operator training (via a multi-disciplinary contract

based on the General Conditions of Contract for Construction Works, 2015).

Second Mogalakwena water treatment works, South Africa, Limpopo, Mogalakwena Local Municipality, 03/2015 - 06/2018, Technical Director

Mogalakwena Local Municipality required professional consulting engineering services for the design and construction supervision of a new water treatment works (WTW) with associated infrastructure. Zutari's design will deliver a WTW that assists Anglo Platinum's mining expansion and provides a more reliant water supply for the local community. Zutari also provided additional services in arranging for the provision of environmental authorisations, geotechnical investigation, LIDAR and Contour Data, way leaves and servitudes registration and occupational health and safety (OHS) design inputs (pertaining to various projects forming part of the Mogalakwena Water Master Plan). Responsible for directing the planning of treatment requirements, process design, detailed design of the water treatment plants and supporting infrastructure, and for associated contract document preparation.

Feasibility study for the Nelson Mandela Bay Metropolitan Municipality (NMBMM) desalination plant, South Africa, Eastern Cape, Nelson Mandela Bay Metropolitan Municipality (NMBMM), 03/2012 - 01/2018, Desalination Plant Design Director

The project involves the identification of potential sites and optimum link-up to the existing bulk infrastructure, water quality characterisation, specialist studies, feasibility design, and cost estimation for the establishment of a 60 Ml/day desalination plant for the Nelson Mandela Bay Metropolitan Municipality (NMBMM) in South Africa. Responsible for input in respect of desalination plant conceptualisation.

Upgrading of Laing and Nahoon water treatment works (WTW), South Africa, Eastern Cape, Amatola Water, 12/2003 - 12/2017, Project Manager

The 35 Ml/d Nahoon water treatment works (WTW) battled water quality problems related to iron, manganese, algae, taste, odour, organic compounds, threat of algal toxins, and inadequate disinfection were experienced. Zutari was appointed to provide the full range of consulting services to upgrade the treatment process to deal with the poor quality raw water. The work included conversion of the existing rapid gravity sand filters to combined dissolved air flotation/filtration units (the client was afforded substantial savings by implementing this option instead of constructing a new and separate dissolved air flotation (DAF) unit); the provision of dosing facilities for flocculent aid, powdered activated carbon, potassium permanganate and aqueous ammonia; and the associated instrumentation and control. Personal responsibilities involved the design, contract document preparation, contract administration (Engineer) and overall project management.

Hertzogville water treatment works, South Africa, Free State, Sigodi Marah Martin (SMM) Thewo JV, 01/2015 - 12/2017, Design Team Director

Zutari was appointed as a sub-consultant for the concept and detailed design the water treatment works and other components of the scheme to provide potable water to the town of Hertzogville and surrounding areas. The 3 Ml/d WTW includes conventional coagulation and sedimentation, followed by combined flotation-filtration (DAFF), disinfection and stabilisation. Facilities for control of algal metabolites via powdered activated carbon are also incorporated. Responsible for appointing and directing the design team and for the process design.

New 250 Ml/d filter block for Zuikerbosch water treatment works (WTW), South Africa, Gauteng, Rand Water, 08/2008 - 06/2017, Project Director

Rand Water treats and supplies an average of over 3 500 Ml/d of bulk potable water to more than 11 million people in in the commercial and industrial heartland of South Africa. Zutari was appointed to undertake the design, preparation of tender documentation, contract administration, construction monitoring, and oversight of testing and commissioning for a new 250 Ml/d rapid gravity sand filtration plant to extend the 3 500 Ml/d capacity of the existing Zuikerbosch WTW. The large filters, each with a nominal capacity of 20.8 Ml/d, are designed with enhanced collapse-pulsing-type backwashing to improve over-all performance and efficiency, are equipped with comprehensive on-line instrumentation, and are fully automated. Responsible for directing the project, undertaking the process design, and leading the consulting team. The project was implemented via a portfolio of contracts based on the General Conditions of Contract for Construction Works, and the FIDIC Conditions of Contract, 1999.

Nacala Velha Port on-shore infrastructure, Mozambique, Vale Moçambique Limitada, 03/2011 - 05/2017, Desalination Plant Design Leader

A new port was planned for Nacala in northern Mozambique, to create capacity to export thermal and coking coal from the Moatize mine. Zutari was appointed by the mining company Vale, to provide engineering services for the on-shore infrastructure for the port. The scope of Zutari's work included the design of the water infrastructure (desalination plant plus treatment of contaminated runoff water for re-use and treatment and irrigation of domestic wastewater), bulk earthworks and roads, buildings, electrical, bulk materials handling and ICT, fuel services and firefighting services. Responsible for the preparation of technical specifications, drawings and bill of quantities for the procurement of a suitable 3 Ml/d desalination plant (including sea water abstraction and waste brine return systems).

Potable reclamation at Gammams Phase 1, Namibia, City of Windhoek, 12/2013 - 12/2016, Technical Director

The project involves an investigation into the establishment of a 30 Ml/d direct potable water reclamation works

to be located at the Gammams wastewater treatment plant in Namibia. This first phase of the project was a desktop study to investigate the treatment requirements for the provision of potable water, combined with a critical analysis of current technological advances used around the world specifically in the field of direct and indirect reclamation. This study will form the benchmark for preliminary design of a completely new direct potable water reclamation works in terms of technological as well as quality requirements. Responsible for directing the team responsible for the investigation.

Mogalakwena bulk water supply scheme - Sekuruwe WTW, South Africa, Limpopo, Mogalakwena Municipality, 01/2015 - 12/2016, Technical Director

Zutari was appointed to undertake the planning, detailed design, and preparation of contract documentation for construction phase procurement for the 42 Ml/d Sekuruwe Water Treatment Works (WTW) for the greater Mogalakwena area. The plant sources water from a local dam that experiences seasonal algae problems. The process train relies on direct filtration with dissolved air flotation incorporated into the rapid gravity filter bays (DAFF system). Responsible for directing the planning of treatment requirements, process design, detailed design of the water treatment plants and supporting infrastructure, and for associated contract document preparation.

Mogalakwena Bulk Water Supply Scheme – Mokopane WTW , South Africa, Limpopo, Mogalakwena Municipality, 01/2015 - 12/2016, Technical Director

Zutari was appointed to undertake the planning, detailed design, and preparation of contract documentation for construction phase procurement for the 98 Ml/d Mokopane Water Treatment Works (WTW) for the greater Mogalakwena area. The plant sources water from a local dam that experiences seasonal algae problems. The process train relies on direct filtration with dissolved air flotation incorporated into the rapid gravity filter bays (DAFF system). Responsible for directing the planning of treatment requirements, process design, detailed design of the water treatment plants and supporting infrastructure, and for associated contract document preparation.

Detailed design of the Lower Thukela Bulk Water Supply Scheme (LTBWSS), South Africa, KwaZulu-Natal, Umgeni Water, 09/2011 - 10/2016, Design Director

Umgeni Water commissioned Zutari for the feasibility study and then the project management, design and preparation of contract documentation for all components of the proposed scheme. These include construction of two access roads; an 8 m-high concrete portal weir across the Tugela River; an in-stream abstraction works equipped with fish ladder, various boulder and gravel traps, and pump station; a water treatment works incorporating hydro-cyclones, clariflocculators, pulsators, rapid gravity sand filtration, sludge handling via gravity thickeners and centrifuging, chemical dosing facilities (for coagulation, pH control, taste and odour control via powdered activated carbon, iron and manganese oxidation with potassium permanganate, chlorination, ammonia dosing, and final stabilisation with soda ash); a high-rise pump station equipped with 2 MW pumps; a 3 km rising main and 30 Ml command reservoir as well as a 30 km, 900 mm diameter gravity main. The water treatment works is nominally sized at 55 Ml/d, upgradeable to 110 Ml/d, with all common facilities designed for the future ultimate capacity. Responsible for leading the water treatment plant planning and design; preparation of contract documentation and procurement for the access roads, weir, abstraction works, low-rise pump station, water treatment works, high-rise pump station and connecting pipework; and for the provision of design support for the WTW during construction. Managed preparation of a portfolio of large contracts based on the General Conditions of Contract for Construction Works, and the FIDIC Conditions of Contract, 1999, and served as the Engineer for an interim period).

Upgrading of Malmesbury wastewater treatment works (WWTW), South Africa, Western Cape, Swartland Local Municipality, 10/2004 - 04/2016, Project Director

Due to sustained growth in the town of Malmesbury, the wastewater treatment works (WWTW) was upgraded to a 10 Ml/d membrane bioreactor (MBR) plant, which now allows much of the treated water to be reused beneficially in non-potable applications. The existing activated sludge plant was incorporated into the MBR plant to form a hybrid system maximising use of the existing infrastructure and reducing the peak flux on the membranes. Zutari was appointed to undertake the full range of consulting services, including feasibility investigation and reporting, assistance with sourcing funds, arranging authorisation in terms of environmental legislation, detailed design, preparing tender documents, contract administration, testing and commissioning. Personal responsibilities comprised of directing the design and the overall project, which has received two engineering excellence awards, including the Consulting Engineers of South Africa best project in the category for projects in the range of R50 to 250 million. Guided preparation construction contracts based on the General Conditions of Contract for Construction Works, and the FIDIC Conditions of Contract, 1999, and guided the Engineer during construction).

Umgeni Water desalination plant feasibility study, South Africa, KwaZulu-Natal, Umgeni Water, 12/2011 - 04/2016, Desalination Plant Design Director

This project involves the due diligence assessment and feasibility study, including specialist studies and water quality characterisation, for two potential 150 Ml/d desalination plants, one to supplement water supply to the area north of Durban, and the other the south. This project is being undertaken by Umgeni Water to investigate the cost and technical aspects in relation to the potential implementation of large scale desalination as an alternative to the Mkomazi Water Project, where the latter has focused on surface water augmentation options. Responsible for input in respect of the desalination plant conceptual design.

Durban Heights water treatment works (WTW) filter study, South Africa, KwaZulu-Natal, Umgeni Water,

[redacted]

04/2013 - 08/2015, Project Director

Durban Heights Water Treatment Works (WTW), located in Reservoir Hills, is Umgeni Water's largest water treatment facility. This facility has not been able to achieve its full capacity of 615 Ml/d due to the filters failing prematurely. Umgeni Water requires a solution in order for them to meet the plant design capacity. The site conditions were assessed through an engineering survey, concrete analysis and hydraulic flow measurements. Additionally, all available site data was collected and site records reviewed. A desktop study was undertaken to determine the condition of the filters and to model the potential of air-binding in the filter beds, which was expected to be the reason for the poor filter performance. Following from the desktop study, four main proposals were put forward in order to remedy the situation, and these were costed and discussed at a high level. In particular, the net present value of the options was presented and a unit cost pricing developed in order to compare options. Umgeni Water selected the preferred option, which was then developed into the preliminary design stage, including preliminary drawings, piping and instrumentation diagrams (P&ID), control narrative, programme for implementation and preliminary bill of quantities (BoQ). Responsible for directing the study and the team, and guiding the technical aspects.

Upgrading Preekatoel water treatment works (WTW), South Africa, Western Cape, Overstrand Local Municipality, 10/2009 - 07/2015, Design Director

Overstrand Municipality appointed Zutari to provide the full scope of consulting services for the upgrading of their 28 Ml/d potable water treatment works in Hermanus. The plant treats organically coloured surface water and could not meet the design capacity, and much of the equipment had deteriorated with age. All mechanical and electrical equipment and controls were replaced and modernised. The rapid gravity sand filters were gutted and re-equipped to enhance the performance via improved design, taking account of technology developments for this process. In addition, a new 10 Ml/d biofiltration plant for iron and manganese removal to treat the water from a series of well-fields was added, the associated boreholes were equipped, and a supply pipeline from these was provided. This is the first plant to employ this technology in South Africa, and has received a number of engineering excellence awards. Personal responsibilities involved leading the treatment-related design, contract preparation, administration of execution contracts (served as the Engineer), and commissioning.

Meulwater water treatment works (WTW), South Africa, Western Cape, Drakenstein Local Municipality, 08/2003 - 04/2015, Project Director

The Drakenstein Municipality decided to construct an 8 Ml/d water treatment works (WTW) to deal with the water from the dams on Pearl Mountain, which are soft, low in turbidity and alkalinity, and deficient and calcium species. The plant is designed as a direct filtration plant, operating in declining rate mode, and allows for future incorporation of dissolved air flotation into the filters in case of increased algal problems. Zutari was appointed to undertake the full range of consulting services, from planning and design, construction supervision and commissioning, to training of operators. Personal responsibilities consisted of the design, and overall directing of the project which received several engineering and environmental excellence awards, including the Consulting Engineers of South Africa best project in the category for projects under R50 million. Served as the Engineer for the Mechanical and Electrical Work contract, based on the FIDIC Conditions of Contract, 1999.

Upgrading of Darling wastewater treatment works (WWTW), South Africa, Western Cape, Swartland Local Municipality, 10/2004 - 10/2009, Project Manager

Zutari was appointed to investigate options for upgrading the overloaded oxidation/evaporation pond system at Darling wastewater treatment works (WWTW), and to provide the full range of consulting services for the upgrade. A new 1.5 Ml/d treatment works was provided, which used the pond system to dampen the peak hydraulic loading on a new biological nitrogen removal activated sludge system. This flow dampening saved on the cost of components affected by hydraulic loading. The peak flows were absorbed by the ponds, where the relatively low loading rate enabled the production of a water quality suitable for irrigation once disinfection had taken place. The improved treated water quality allowed selective re-use of the water, which has proved a stimulus for economic growth of the town due to knock-on golf course and property developments. Personal responsibilities included the design, contract document preparation, contract administration (role of the Engineer) and overall project management.

Upgrading and refurbishment of Laing water treatment works (WTW), South Africa, Eastern Cape, Amatola Water, 06/2004 - 12/2006, Project Manager

The 27 Ml/d Laing water treatment works (WTW) experienced water quality problems related to iron, manganese, algae, taste, odour, organic compounds, a threat of algal toxins, and inadequate disinfection, along with structural failure of the under-drainage system for the rapid gravity sand filters, and failure of the sludge pumping system. Zutari was appointed to provide for the full range of consulting services to increase the capacity to 35 Ml/d, to refurbish the existing filters, and to upgrade the treatment process to deal with the poor quality raw water. The work included the provision of additional filtration capacity; a new 35 Ml/d dissolved air flotation plant; sludge handling facilities; dosing facilities for flocculent aid, powdered activated carbon, potassium permanganate and aqueous ammonia; and associated instrumentation and control. Personal responsibilities included the design, contract document preparation, contract administration (role of the Engineer) and overall project management.

Upgrading of Stilfontein wastewater treatment works (WWTW), South Africa, North West, Southern District Municipality, 02/2000 - 10/2005, Process Design Leader

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The project entailed the upgrading of the Stilfontein wastewater treatment works (WWTW) from a capacity of 7 Ml/d to a capacity of 10.5 Ml/d by adding a new nitrification-de-nitrification biological excess phosphorus removal activated sludge plant, to operate in parallel with the existing activated sludge plant. New primary and tertiary treatment facilities, including inlet works, sludge handling, disinfection facilities, and irrigation equipment were provided to service the *entire* 10.5 Ml/d plant. Personal responsibilities involved the process design; detailed design; preparing tender documents; as well as providing specialist design support during the construction and commissioning phases.

Upgrading of Borcherd's Quarry wastewater treatment works (WWTW), South Africa, Western Cape, Cape Metropolitan Council (CMC), 02/2002 - 10/2003, Specialist Advisor

A significant percentage of the sludge from the Borcherds Quarry WWTW was being used for composting. Up to the project date, sludge dewatering installation comprised two centrifuges and one belt press. The City of Cape Town appointed Zutari as project engineers for two contracts which started in February 2002 to add an additional belt press and associated equipment, as well as to refurbish one of the existing centrifuges and add a new centrifuge. Responsible for process analysis.

Process and performance investigation of Von Bach water treatment works (WTW), Namibia, Namibia Water Corporation Ltd (NamWater), 09/2002 - 08/2003, Project Manager

The 156 Ml/d Von Bach water treatment works (WTW) supplies Windhoek and surrounding areas. Numerous components of the plant were under-performing and it was not able to deliver the design capacity. Problems were also experienced with selection of the appropriate chemical dosing regime, iron and manganese, taste and odour, chemical precipitation throughout the treatment works, sludge removal, and with control systems. Attempts to rectify the problems on an ad hoc basis had not been successful. Zutari was thus appointed to investigate the problems and propose remedies. The investigation included a two-week onsite investigation, during which time Zutari conducted various trials and successfully restored the treatment works to full capacity. Personally responsible for managing the project, undertaking the investigation, preparing and presenting the associated report, checking aspects of the treatment works design as well as preliminary design and cost estimation for the recommended remedies.

Potable water supply study for Drakenstein Local Municipality, South Africa, Western Cape, Drakenstein Local Municipality, 01/2000 - 01/2002, Water Treatment Specialist

Drakenstein Municipality encompasses the towns of Paarl and Wellington. A study was undertaken to investigate options for maximising the use of various local water resources for these towns, so that savings could be made with respect to purchasing treated water from the City of Cape Town. Zutari's brief included investigating the feasibility of various options, preparing preliminary designs, and evaluating the long-term cost-effectiveness of the various options. From the investigation, the option of constructing a new direct filtration treatment works to deal with the water from the existing dams on Paarl Mountain was identified. Implementation of this option resulted in a substantial long-term saving to the municipality due to a reduction in the amount of treated water that had to be purchased from the City of Cape Town. Responsible for evaluating the appropriate technology for each town, taking account of water quality and the level of local operation and maintenance skills available, and cost estimates, including capital, operating, maintenance, chemical and staff costs. Also responsible for reporting on all aspects pertaining to the options.

Upgrading of Montagu water treatment works, South Africa, Western Cape, 01/1998 - 01/2000, Water Treatment Specialist

Montagu water treatment works was upgraded to a capacity of 6 Ml/d with facilities to deal with the taste and odour problems{FB}caused by metabolites of cyanobacteria (blue-green algae). The treatment works consisted primarily of an up-flow direct filtration system, followed by limestone contact stabilisation, a granular activated carbon process, and disinfection. Zutari also assisted with implementing a programme for controlling the dam's algae, which entailed the use of barley straw as an algae growth inhibitor. Responsible for the feasibility study, preliminary design and cost estimates for funding purposes, detailed design, preparing the mechanical and electrical contract document, and associated tender analysis. Responsible for arranging tenders for the mechanical and electrical contract, reporting on these to the client, and testing granular activated carbon tender samples for taste and odour removal efficiency. Also responsible for the administration of the mechanical and electrical contracts, and testing and commissioning the new facilities.

Certification:

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

07 August 2025

Date

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[redacted]

Vice-Chancellor

Registrar

[redacted]



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we certify that

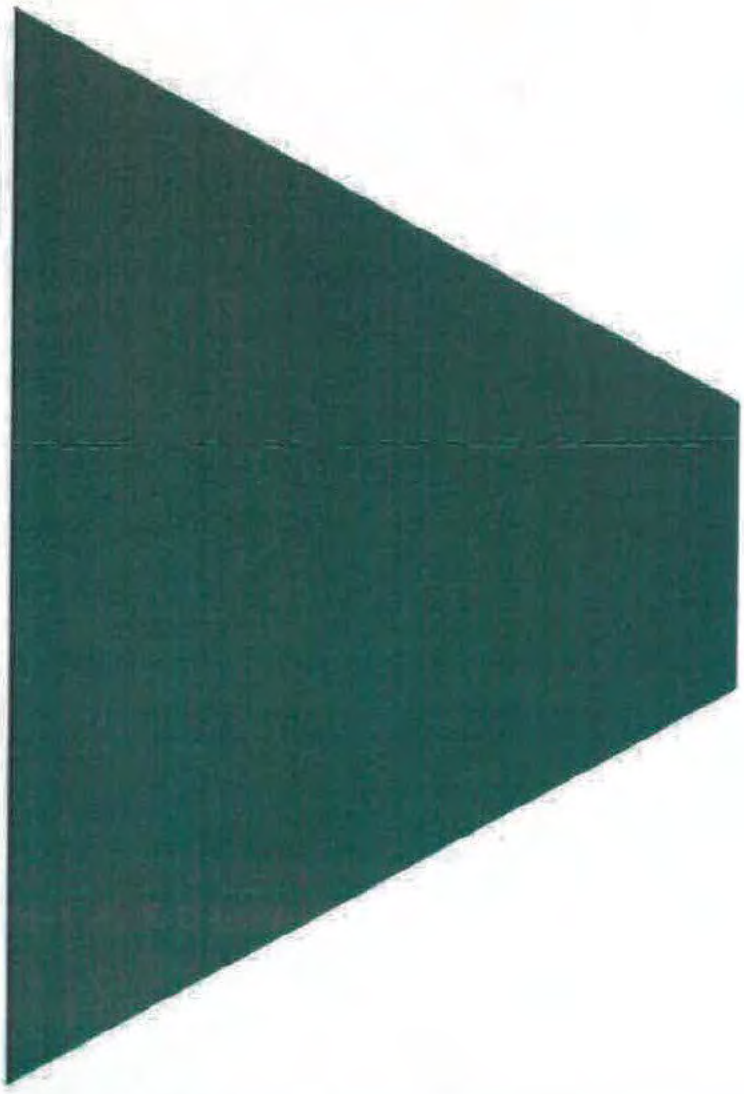
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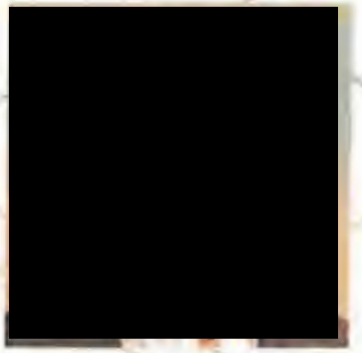
Engineering Council of South Africa



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SCHEDULE 12 :
Process Engineer





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Professional Engineer

Summary

[redacted]s a seasoned civil engineer specializing in water treatment applications, with extensive experience in the full lifecycle of water treatment works.

He has played a key role in pioneering projects such as the Cape Town Reuse Plant, Meulwater Water Treatment Works (WTW), Lower Thukela WTW, and the Preekstoel Biofilter project. These initiatives challenged conventional design approaches, prioritising operator-centric infrastructure while integrating the latest advancements in water treatment technologies to deliver effective solutions.

[redacted]excels in coordinating multidisciplinary teams on complex projects. His expertise includes Western Cape waters characterised by high color and low turbidity, as well as groundwater management through the Preekstoel Biofilter project and Cape Flats Aquifer Management Scheme. He is also highly skilled in wastewater treatment, plant operation, troubleshooting, and optimising existing systems.

His ability to plan and manage large-scale water treatment projects has been honed through his roles as a project manager and design engineer. He trained with the Water Research Group in the civil engineering department at the University of Cape Town, specialising in municipal water and wastewater treatment, and has completed coursework in wastewater treatment and aquatic chemistry.

Qualifications
MEng Civil
BSc Civil Engineering

Professional registrations
Professional Engineer, Engineering Council of South Africa (ECSA)
Branch Committee Member, South African Institution of Civil Engineering (SAICE)
Member, Water Institute of Southern Africa (WISA)

Specialisation
Water and wastewater treatment

Years in industry
18

Relevant experience

Full engineering services for Faure New Water Scheme, South Africa, Western Cape, City of Cape Town, 06/2018 - 12/2025, Project Manager

The City of Cape Town wishes to construct a direct potable reuse plant treating water from the Zandvliet wastewater treatment works (WWTW) to a standard suitable for feeding the existing Faure water treatment works (WTW). The capacity of the plant is 70 Ml/d upgradeable to 100 Ml/d. The process includes tertiary filtration, ozonation, biological activated carbon filtration, granular activated carbon filtration, ultra-filtration and ultra-violet (UV) advanced oxidation processes (AOP). Zutari was appointed to undertake the full raoge of consulting services, including feasibility planning, concept and detailed design, procurement of construction contracts, contract administration and supervision. Responsible as lead design engineer co-ordinating the design inputs from the multidisciplinary design team.

Water reuse strategic study, South Africa, Western Cape, City of Cape Town, 02/2022 - 07/2023, Project Leader

Zutari undertook a feasibility study to assess the potential scale of a water reclamation scheme, its associated risks as well as its potential timeframe for implementation. Responsible as lead design engineer coordinating the design inputs from the multidisciplinary design team.

Cape Flats MAR and Water Supply Scheme, South Africa, Western Cape, City of Cape Town, 10/2021 - 06/2023, Design Lead

The City of Cape Town is developing wellfields abstracting from the Cape Flats Aquifer (CFA) in order to augment their water supply sources and improve their resilience against droughts. The CFA will be augmented by treated wastewater from the Cape Flats WWTW, thus making this the City's largest indirect potable reuse project. The City of Cape Town commissioned Zutari to oversee the design and construction of various water treatment plants (WTP's) within the CFA ranging from conventional water treatment to advanced AOP. In conjunction with the design build WTP's, Zutari is developing the ebstraction wellfields to feed the WTPs. Responsible as lead design engineer for the Hanover Park/Philippi WTW coordinating the design inputs from the multidisciplinary design team.

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Wemmershoek WTP Refurbishment Study, South Africa, City of Cape Town Water & Sanitation, 07/2024 – 06/2026, Project Executive

The Wemmershoek WTP is one of the City of Cape Town's main water treatment plants and contributes around 20% to the City's production, but is unable to meet its design capacity consistently due to aging infrastructure and significant changes to the catchment exacerbated due to climate change. This study will investigate opportunities to return the design capacity to 250Ml/d and potentially increase capacity to assist in meeting the Peak Week demand. The study will comprise a condition assessment, feasibility and concept phases of a planned project to refurbish and upgrade Wemmershoek WTP as a part of the Infrastructure Stability Programme. Responsible for leading this study.

Plettenberg Bay WTW : Refurbishment, South Africa, Bitou Municipality, 04/2024 – 07/2025, Process Engineer

The Plettenberg Bay WTW is a 27Ml/d facility which has been progressively upgraded over time. The Municipality appointed Zutari to upgrade various aspects of the plant, with a specific focus on the upgrades of the treated water pumping infrastructure. Various other upgrades are in progress specifically related to the filtration systems. Led investigation into the performance of the plant and guided subsequent refurbishment work.

Faure WTP Refurbishment Study, South Africa, City of Cape Town Water &Sanitation, 11/2023 – 10/2025, Project Executive

The Faure WTP is the largest water treatment facility in the City of Cape Town's fleet of treatment plants with a capacity of 500Ml/d. The WTP has for some time struggled to operate at its design capacity and Zutari were appointed to undertake a detailed condition assessment of the works followed by a feasibility assessment of proposed mitigation measures and upgrades necessary to ensure the continued reliable operation of the plant at its design capacity. Responsible for leading this study.

Durban Water Reuse Plant Upgrade, eThekwini, KwaZulu Natal, South Africa, 08/2021 – 02/2022, Lead Design Engineer

The City of eThekwini in the province of KwaZulu Natal owns and outsources the operation of the Durban Water Reuse Plant (DWRP). The plant, which has an operational capacity of 30Ml/d, treats wastewater from the Southern Works for industrial reuse by nearby industrial facilities. Zutari were appointed as the design consultant for an EPC consortium to refurbish and upgrade the DWRP to produce 20Ml/d of potable water for direct potable reuse and 19Ml/d of industrial reuse water. Zutari were responsible for the condition assessment as well as the subsequent design and documentation stages, and were an integral part of the EPC team in preparing the EPC submission and pricing. Responsible for design co-ordination.

Investigation into the refurbishment of the Buffels River and Kleinmond WTW facilities, South Africa, Western Cape, Overstrand Local Municipality, 11/2019 - 06/2020, Project Manager

Zutari undertook a study for the Overstrand Municipality to evaluate the capacity and performance of two small water treatment works (WTW), the Buffels River and Kleinmond WTW, in order to advise on process improvements and refurbishment options. The study reviewed all aspects of the existing infrastructure and advised on suitable interventions to improve the performance of the plants and extend their expected life-spans. Responsible for study lead, process analysis and reporting.

Filtration study for Durban Heights water treatment works (WTW), South Africa, KwaZulu-Natal, Umgeni Water, 04/2013 - 05/2014, Project Manager

The Durban Heights water treatment works (WTW) was unable to achieve its full capacity of 615 Ml/d due to the filters failing prematurely. The project entailed the assessment of site conditions through an engineering survey, concrete analysis and hydraulic flow measurements. Four main proposals were put forward in order to remedy the situation. The client selected the preferred option, which was then developed into the preliminary design stage. Responsible for coordinating a multi-disciplinary and geographically dispersed team, reviewing all deliverables and providing regular feedback to client and project team.

Border Post water treatment works (WTW) (part of Kei Road WTW and conveyance project), South Africa, Eastern Cape, Buffalo City Metropolitan Municipality (BCMM), 11/2012 - 02/2019, Design Lead for the Water Treatment Works (WTW)

To meet the growing water demand anticipated for the Bhisho and Berlin areas, Buffalo City Metropolitan Municipality (BCMM) identified the Kei Road Water Treatment Works and Conveyance Project to improve the treated drinking water supply to the Upper Buffalo Water Supply Scheme. Zutari was appointed for the first phase of the project, which involved the planning, environmental assessments, management, administration, implementation and site supervision for the construction of a 48 Ml/d WTW near Border Post; the installation of a 5 km raw water pipeline from Wriggleswade Transfer Canal to the WTW; the installation of the 12.6 km All Saints clear water pipeline; construction of a raw water storage dam and the installation of the 14.4 km Berlin connector pipeline. Responsible for coordinating and leading a diverse design team to provide an innovative and cost effective WTW facility that would blend into the local landscape, while providing a robust, appropriate and secure works.

Upgrading of the Welvanpas water treatment works (WTW), South Africa, Western Cape, Drakenstein Local Municipality, 04/2012 - 09/2020, Process Designer/Project Manager/Project Leader

Zutari was appointed for the upgrading of the Welvanpas water treatment works (WTW), including the pump station, to transfer surplus water from the Welvanpas reservoir to the Cen Weirmo and Van Blerk reservoirs. A 10 Ml

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direct filtration WTW was designed and constructed as well as a depot building for the regional staff. Zutari's services included civil, structural, mechanical, electrical, process, control and instrumentation (C&I) and building services. Responsible for process design, civil design, documentation, tender adjudication and reporting, and contract management. As project leader, responsible for all project management, concept and viability through to detailed design and contract documentation. Also responsible for overseeing site supervision and contract administration.

Refurbishment and upgrading of Preekstoel water treatment works (WTW), South Africa, Western Cape, Overstrand Local Municipality, 10/2009 - 07/2015, Project Manager/Contract Manager

The greater Hermanus area is supplied by a combination of surface water from De Bos Dam and ground water from a series of well fields. Zutari was appointed to provide the full scope of consulting services for the upgrading of the 28 Ml/d potable water treatment works (WTW), which treats organically coloured water with high levels of iron and manganese. All mechanical and electrical equipment and controls were replaced and modernised in the existing works. A biological plant was constructed adjacent to the existing plant for treating a maximum of 10 Ml/d of borehole water. Responsible for project administration, project management, biofilter design, tender documentation, adjudication, contract management of both civil and mechanical contracts and commissioning of the works.

Detailed design of the Lower Thukela Bulk Water Supply Scheme (LTBWSS), South Africa, KwaZulu-Natal, Umgeni Water, 09/2009 - 10/2016, Assistant Project Manager

The aim of the Lower Thukela Bulk Water Supply Scheme (LTBWSS) is to manage the supply demand of the KwaDukuza and Mandini municipal areas. Zutari carried out the feasibility study, followed by a separate contract for the detailed design and preparation of contract documentation of all the infrastructure associated with the scheme. The project involved the design of a new weir, abstraction works, a 55 Ml/d water treatment works (WTW), low and high lift pump stations, 30 Ml reservoir and 30 km of pipeline. The scheme supplies an additional 55Ml/d of treated water to the areas. Responsible for being project management, coordinating design teams and assisting the project engineer.

Upgrading of Elandsjagt water treatment works (WTW), South Africa, Eastern Cape, Nelson Mandela Bay Metropolitan Municipality (NMBMM), 01/2004 - 06/2015, Project Manager

Zutari was appointed to conduct an investigation of the Elandsjagt water treatment works (WTW) to determine the reasons for some of the main process units not reaching their design capacity and to make recommendations concerning possible solutions. The report on the investigations recommended modifications to the relevant units, and that the remainder of the shortfall in capacity be provided by the construction of a flocculation and sedimentation facility. The project further included structural repairs to the filters, and the installation of a filter flow control system. New chemical dosing systems were installed, making use of mass-flow control technology. All valves were actuated, and the entire WTW was automated and provided with human-machine interface (HMI) and supervisory control and data acquisition (SCADA) systems. In addition, four new 680 kW variable speed controlled raw water pumps were installed. Responsible for the detailed design and tender documentation.

New water filtration plant for Oudtshoorn Local Municipality, South Africa, Western Cape, Oudtshoorn Local Municipality, 10/2008 - 09/2014, Project Manager

This project consisted of a feasibility study for a new 30 Ml/d water filtration plant. Responsible for compiling tenders, project management and arranging testing and sampling of the raw water with the George office and the client.

Feasibility study for the design and construction of a new wastewater treatment works (WWTW) at Koeberg Nuclear Power Station, South Africa, Western Cape, Eskom, 12/2008 - 12/2009, Project Manager

The project consisted of a feasibility study for a new wastewater treatment works (WWTW) in Melkbos. Responsible for on-site investigations, report writing and client liaison.

Certification

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

05 August 2025

Date

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UNIVERSITY OF CAPE TOWN

we certify that

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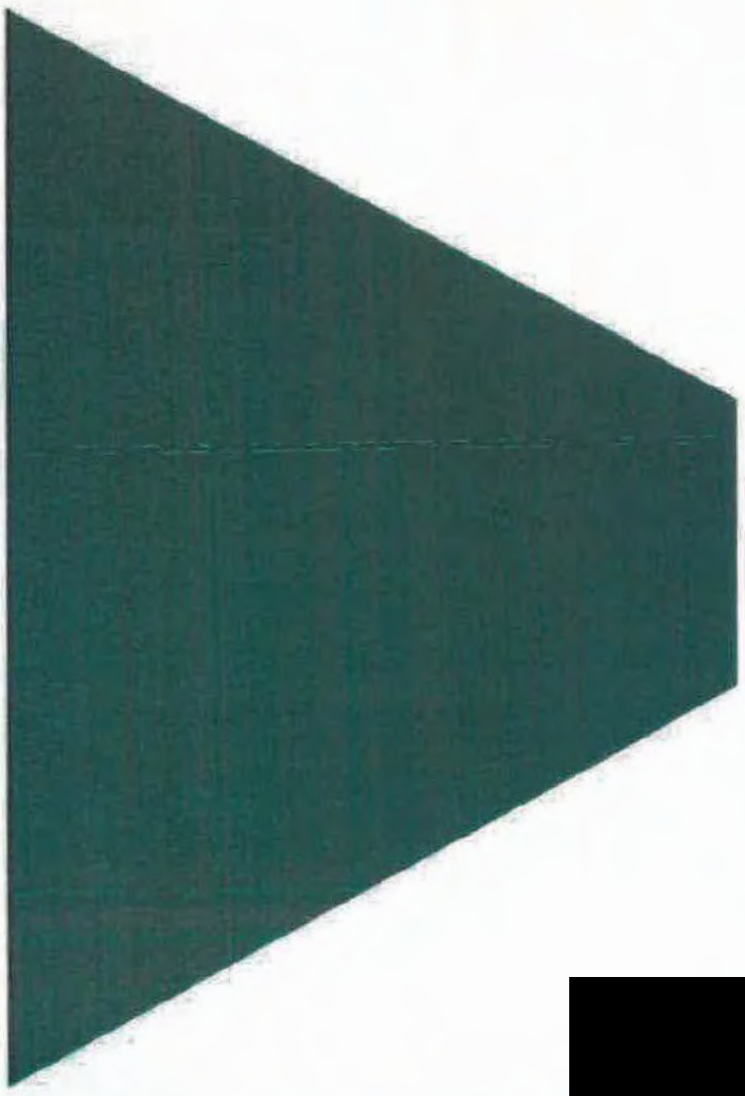
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Engineering Council of South Africa



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SCHEDULE 12 :
Civil Engineer

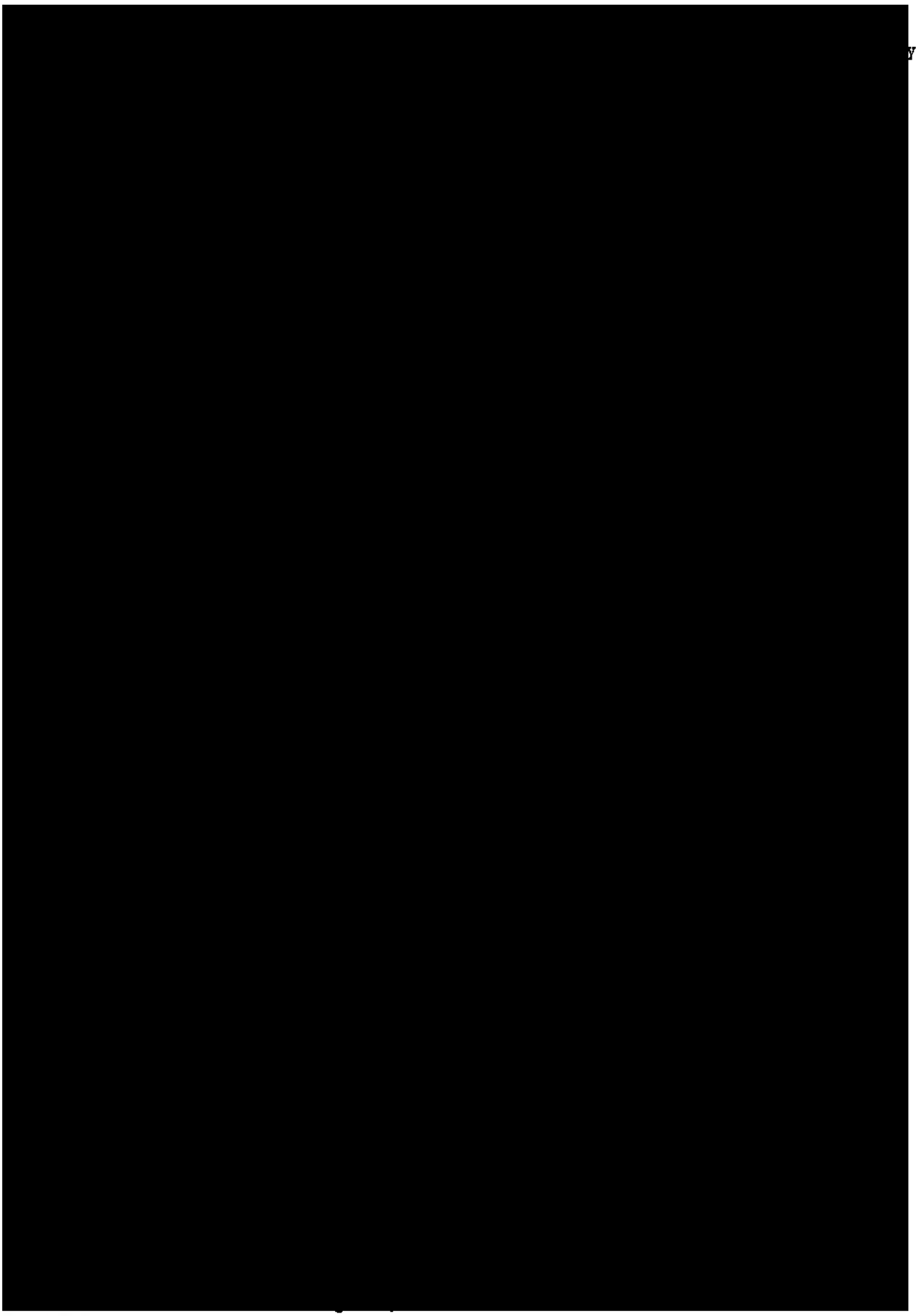


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Civil Engineer

Summary

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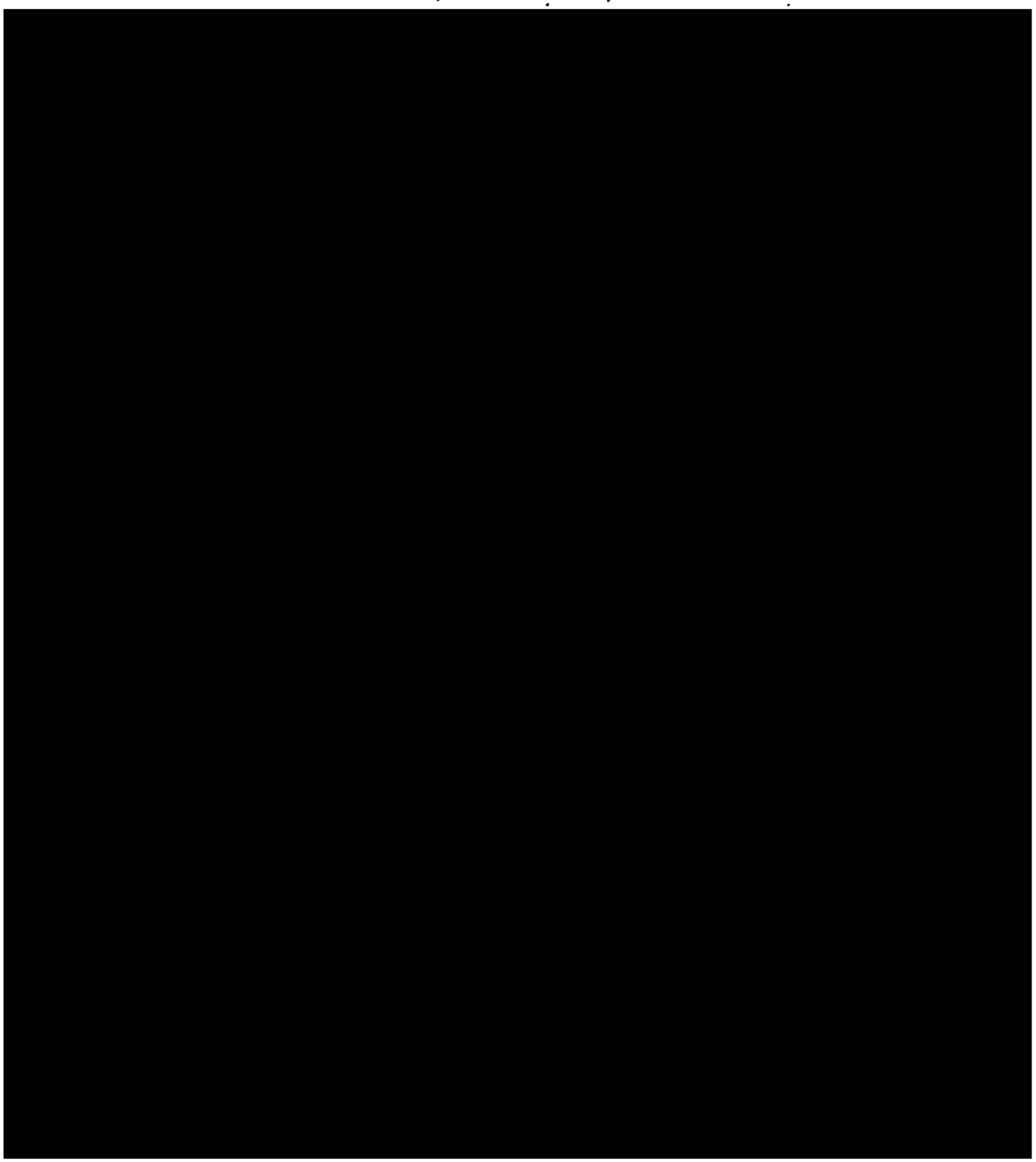
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Signature of Staff Member

07 August 2025
Date

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SCHEDULE 12 :
Chemical Engineer

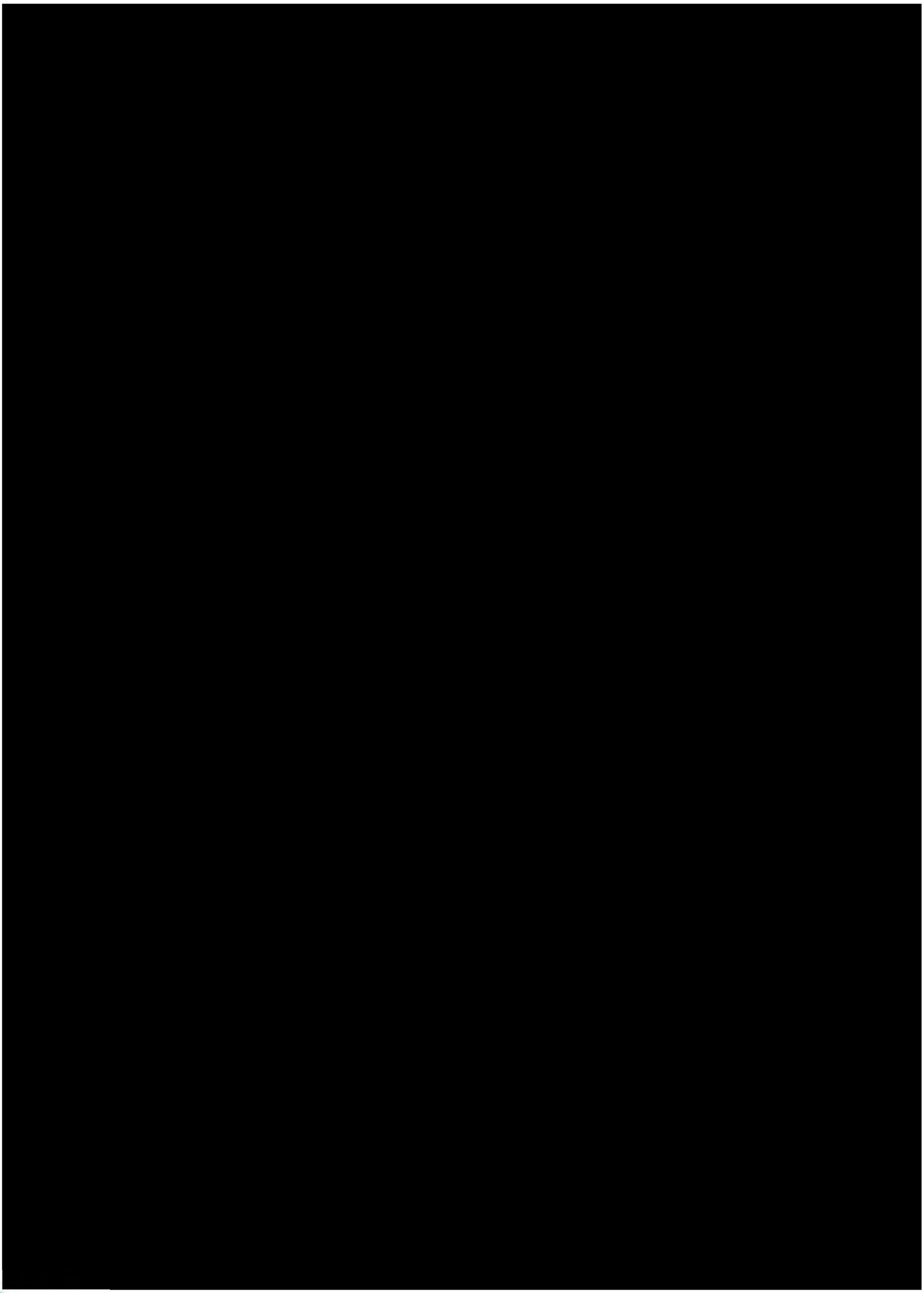


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Technical Director

Summary

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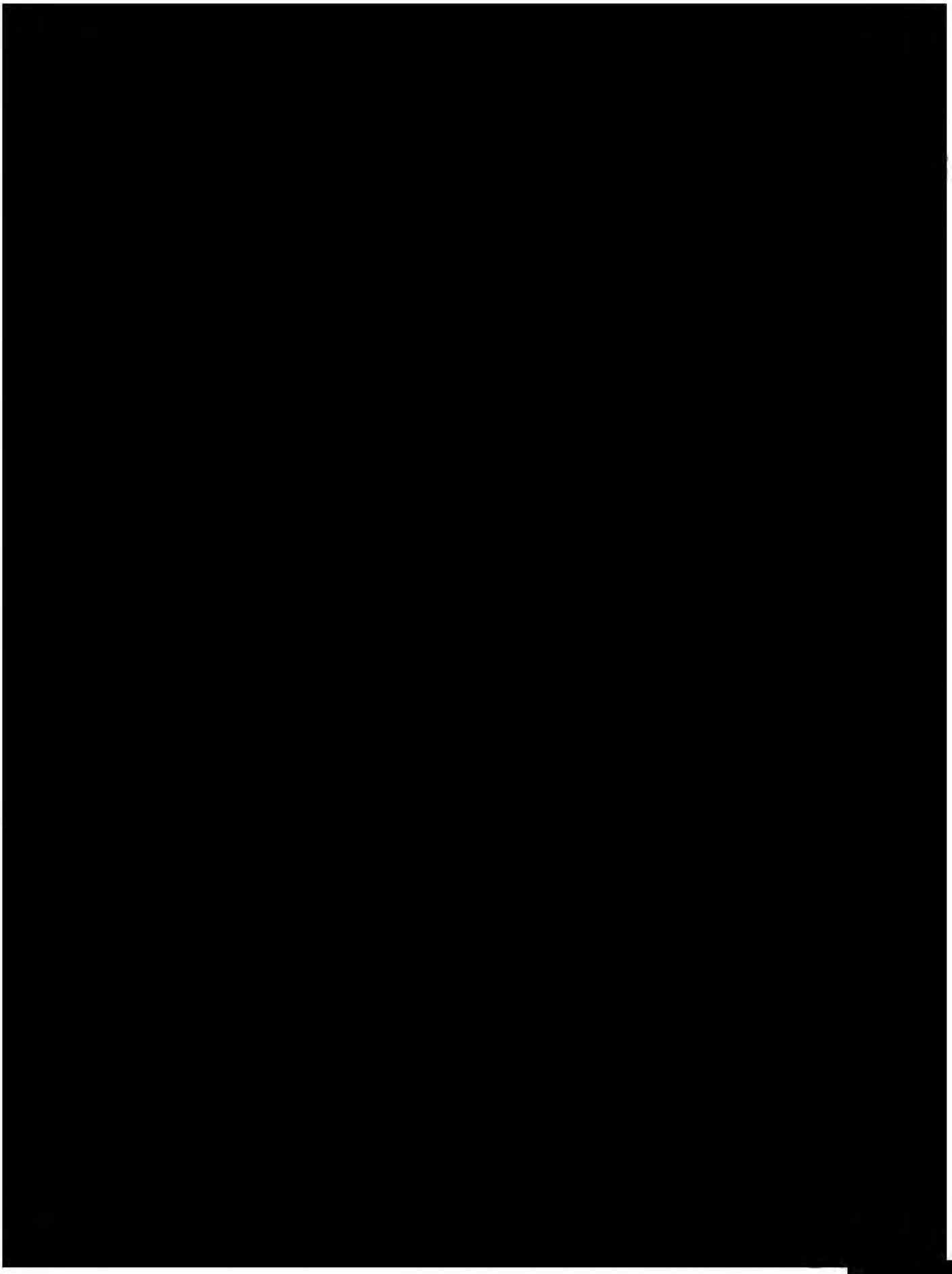
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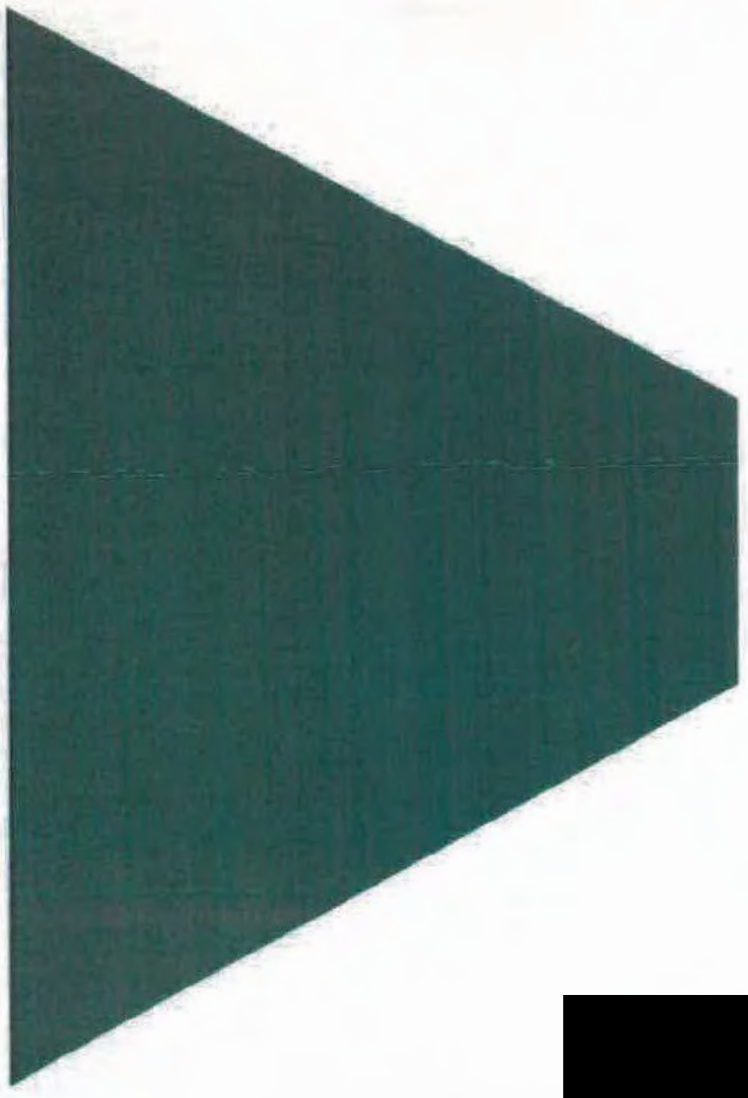
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SCHEDULE 12 :
Structural Engineer



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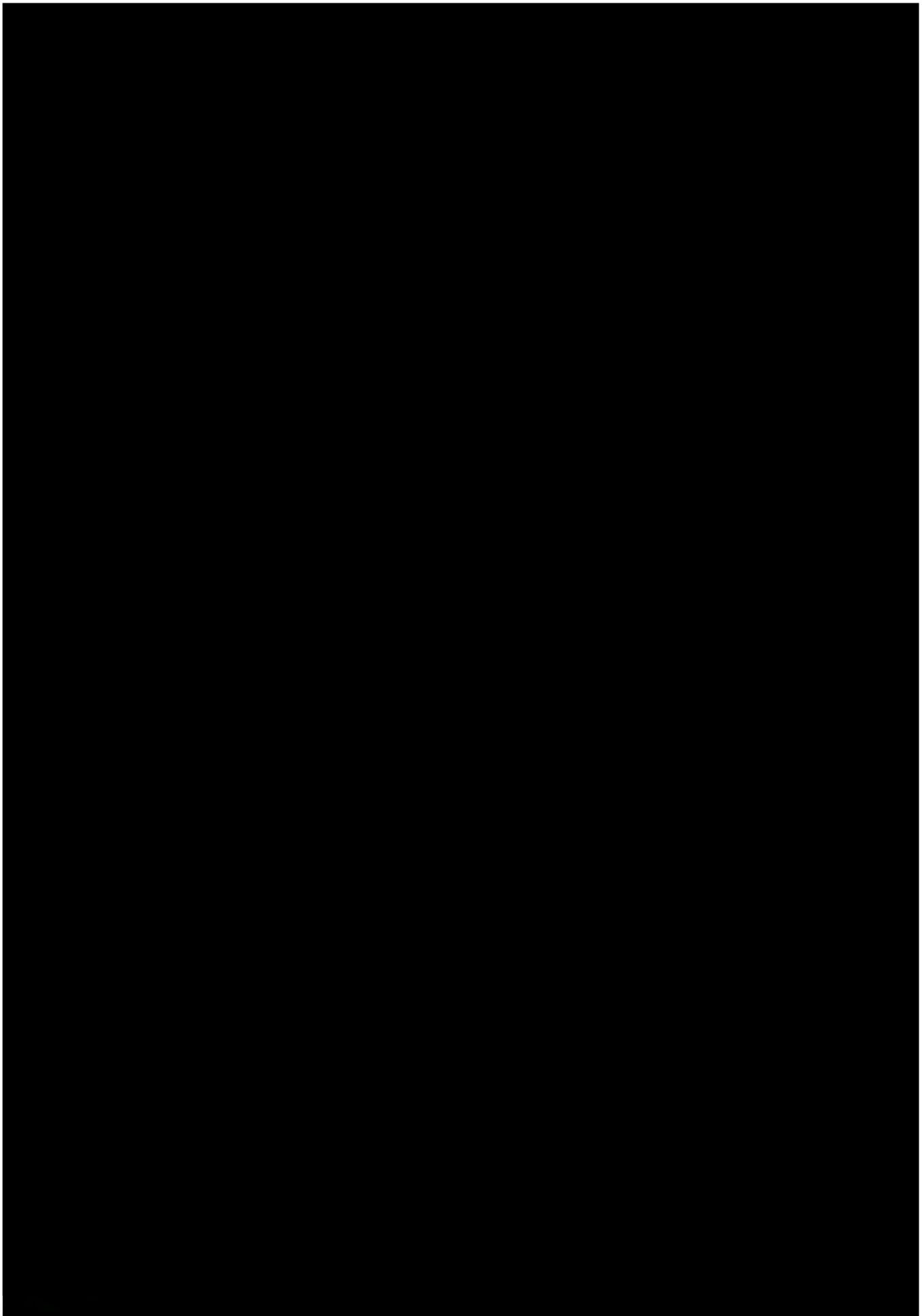
Structural Engineer

Summary

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Relevant experience

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Signature of Staff Member

05 August 2025

Date

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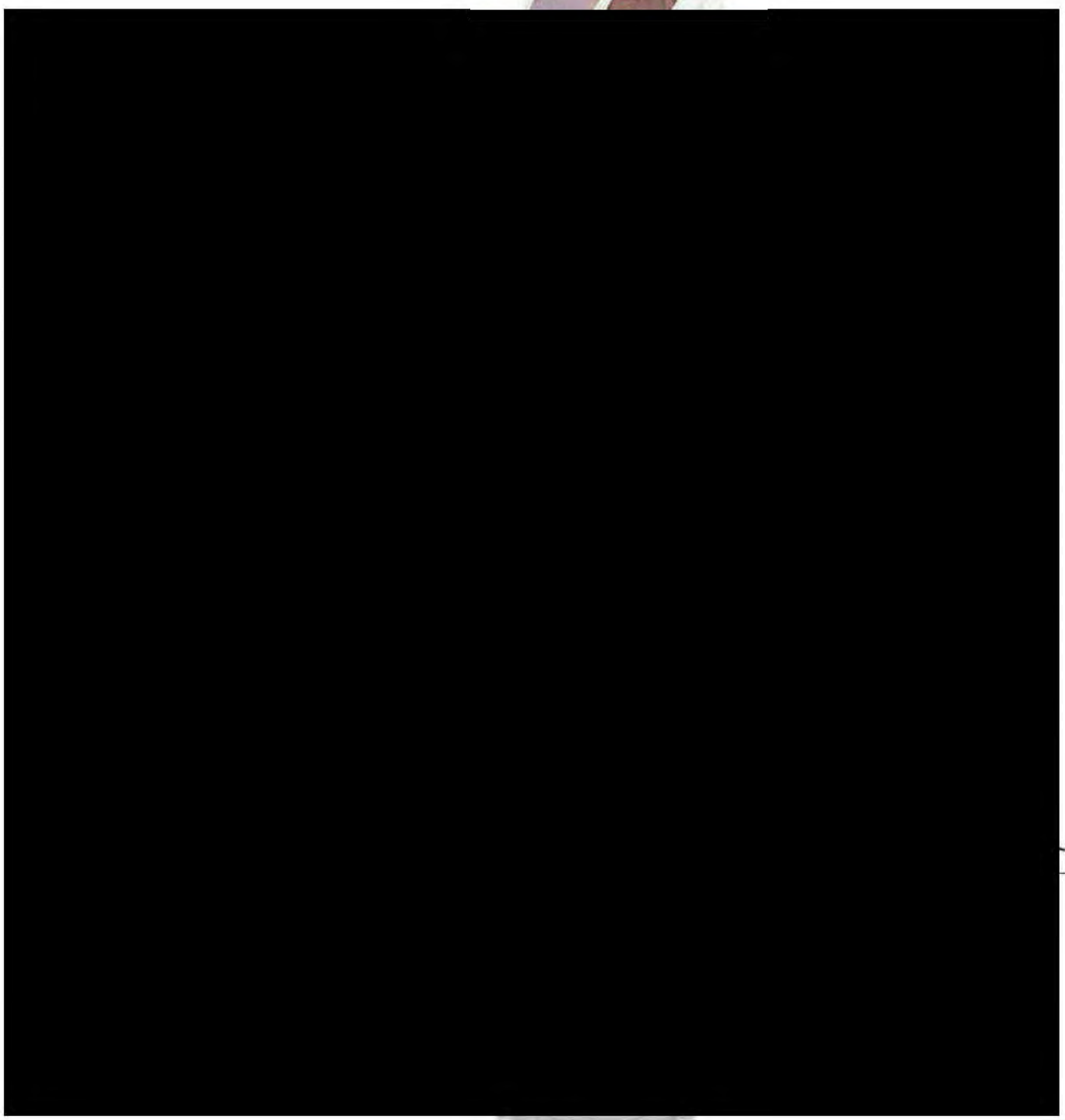

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Universiteit van Kaapstad
SPES BONA

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SPES BONA

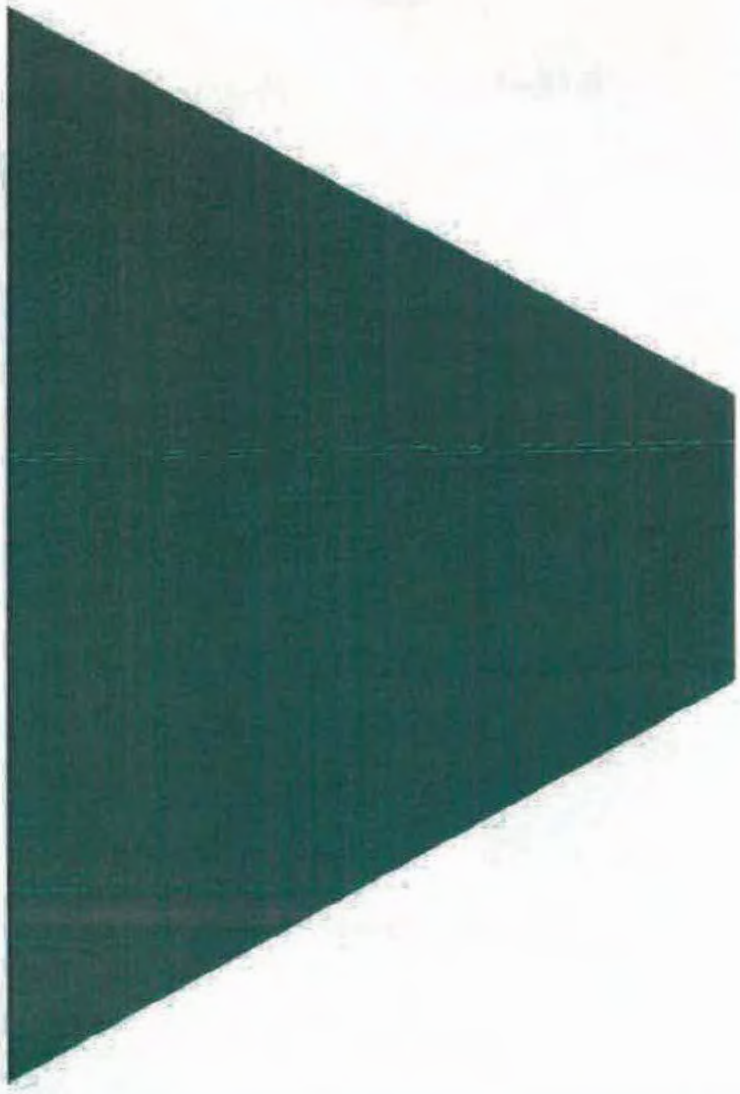
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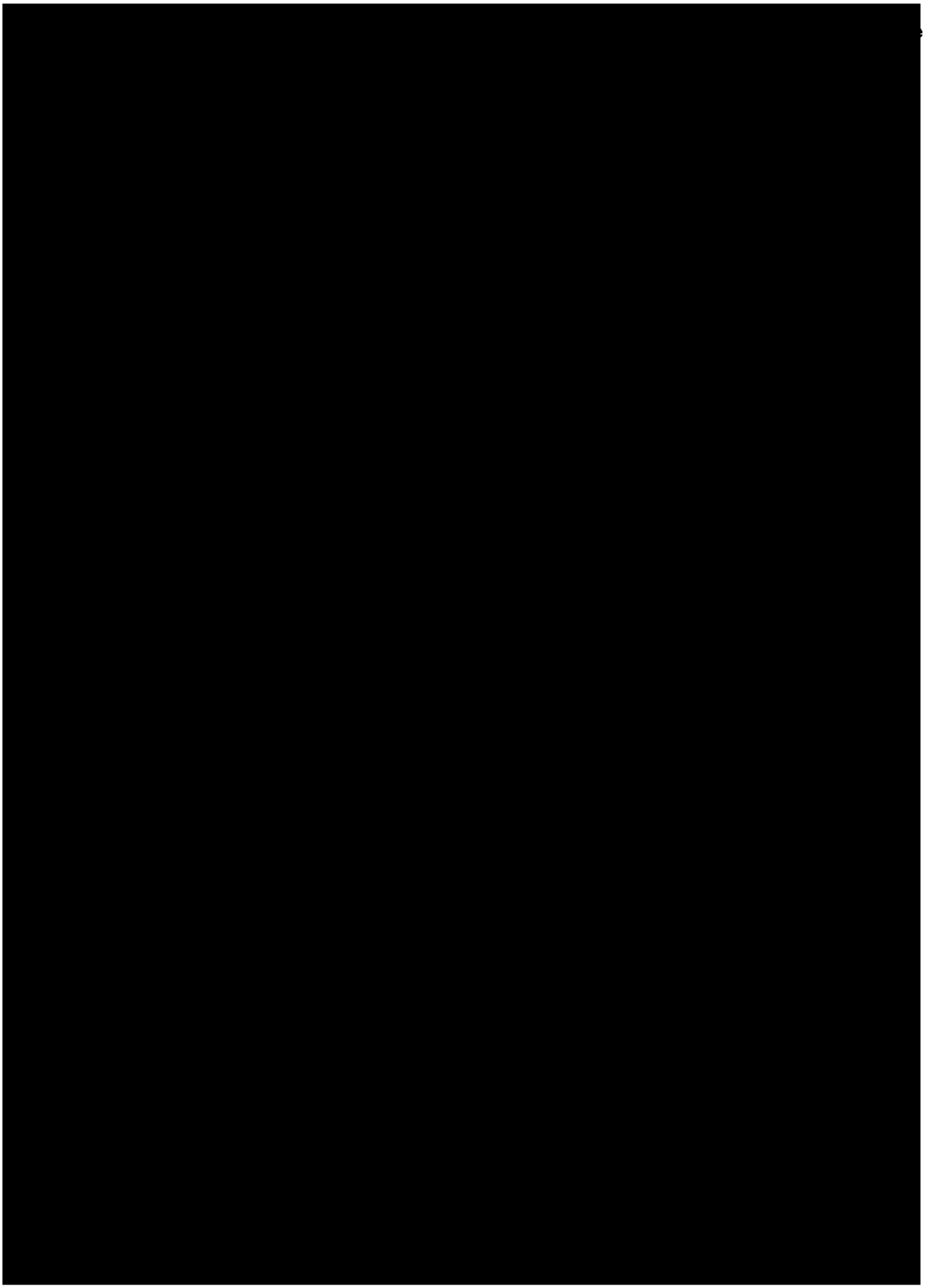
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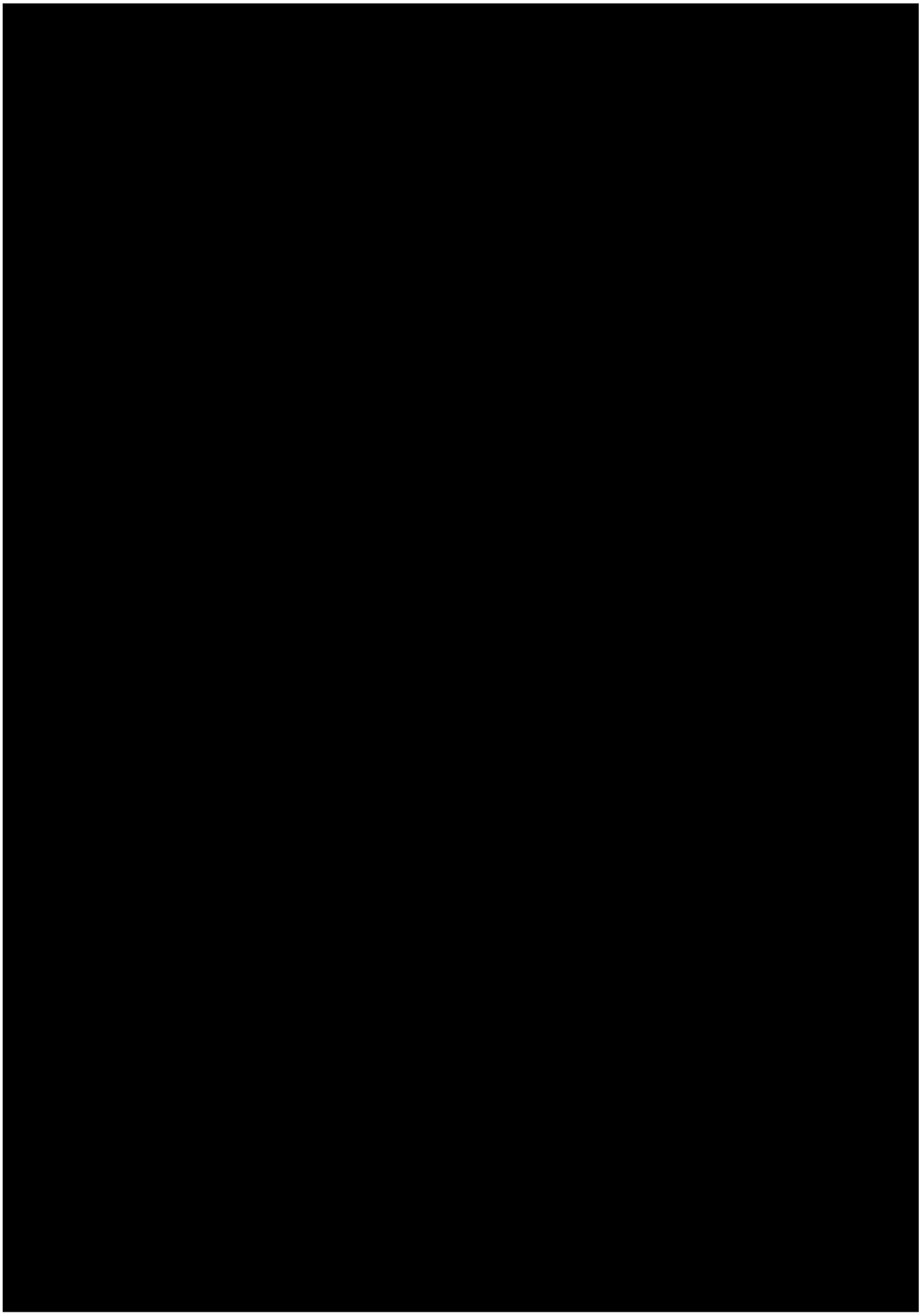


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SCHEDULE 12 :
Mechanical Engineer







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[redacted] structural and consulting engineers to assist in obtaining a successful project.

Certification:

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

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Signature of Staff Member

06 August 2025

Date

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University of Cape Town


University of Cape Town • iYunivesithi yaseKapa • Universiteit van Kaapstad
SPES BONA

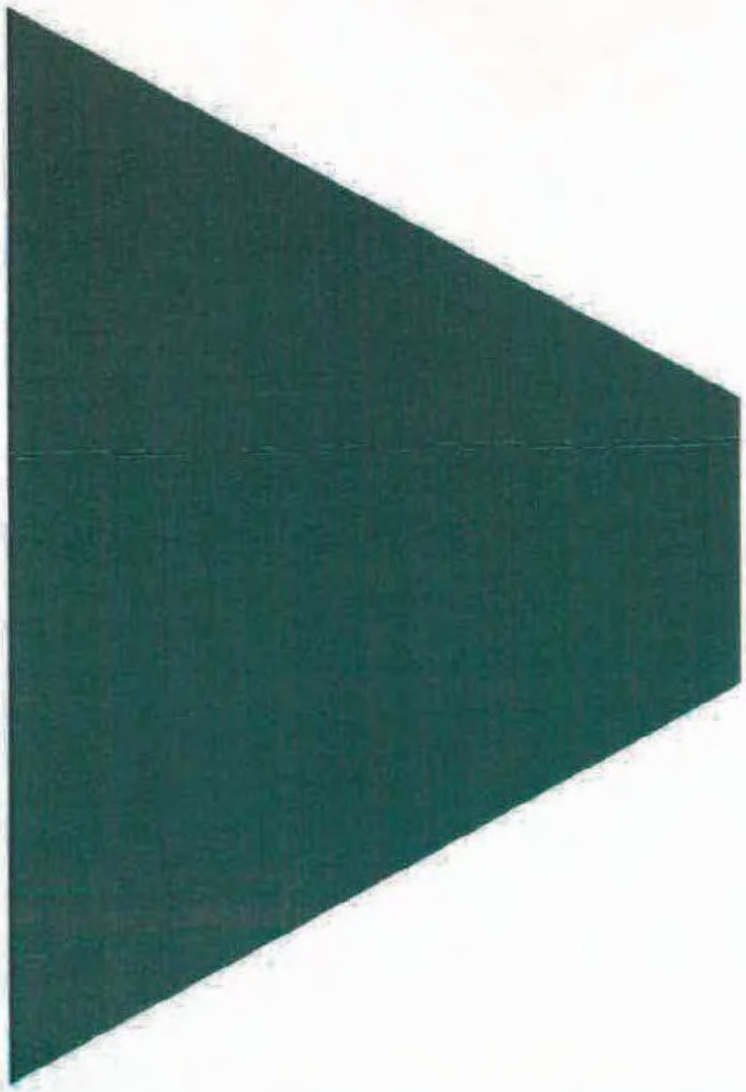
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Engineering Council of South Africa



[redacted]

SCHEDULE 12 :
Electrical Engineer



[redacted]

[redacted]

[redacted]

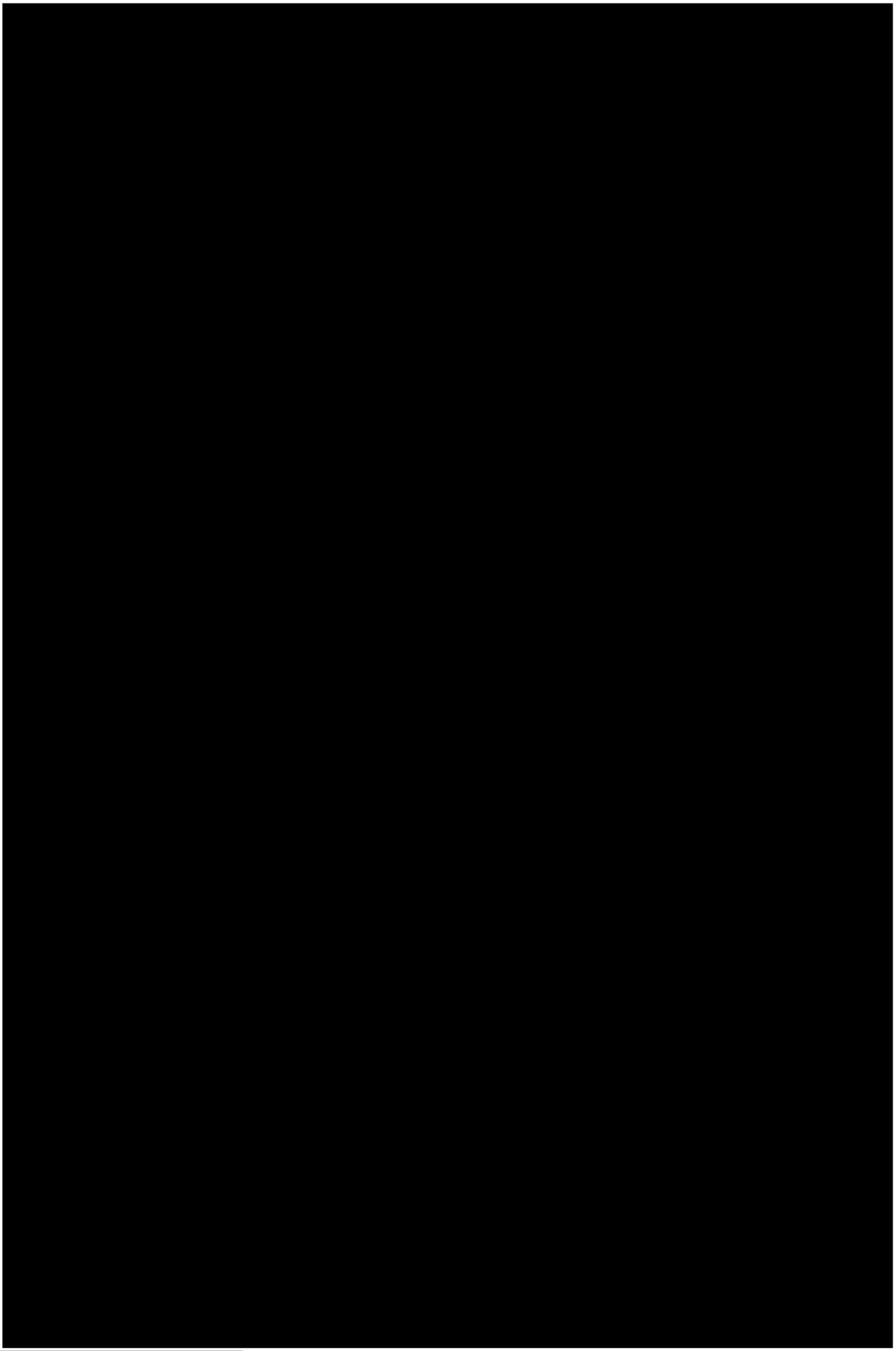
Electrical Engineer

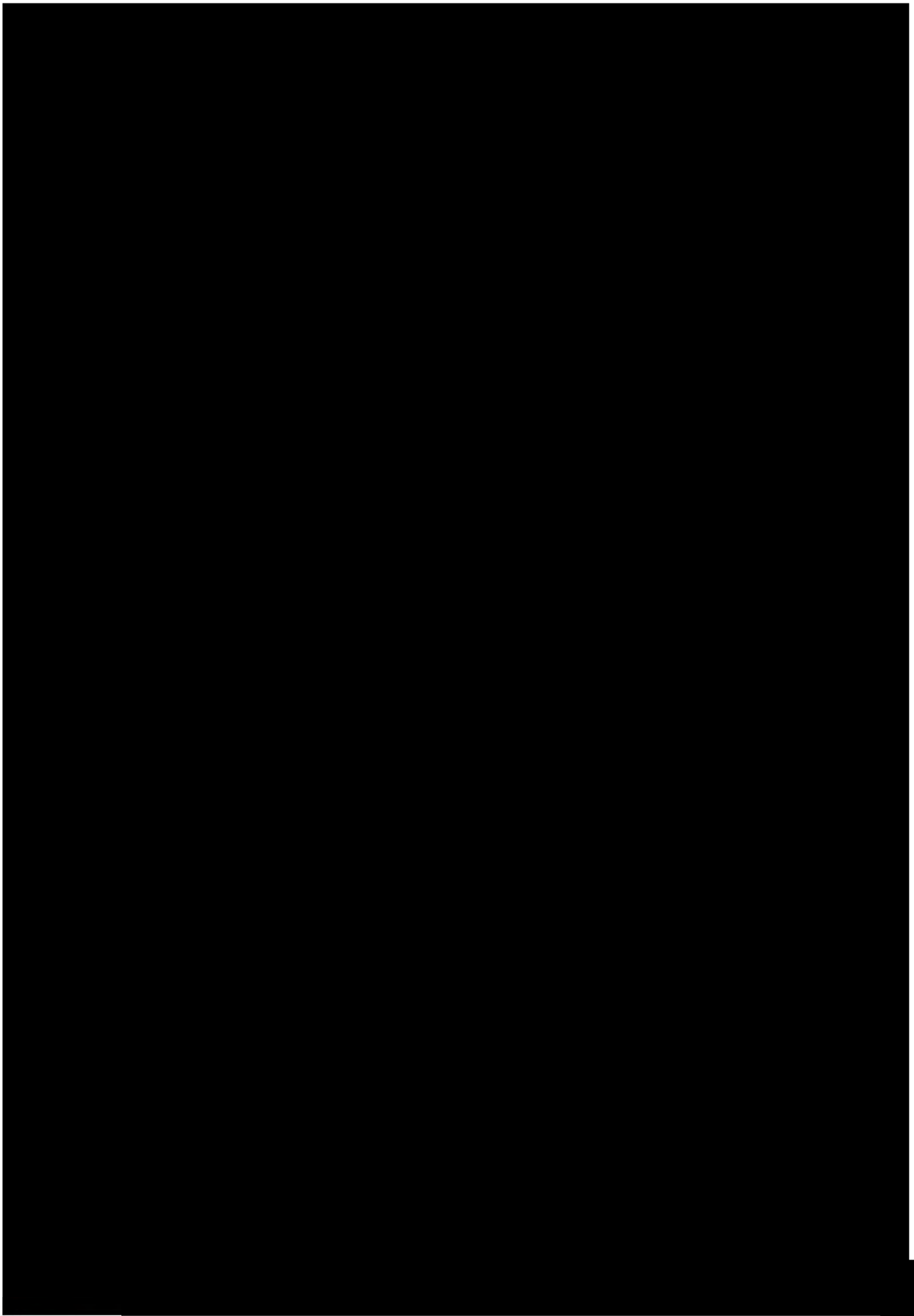
Summary

[redacted]

Qualifications

[redacted]







[redacted]

Certification

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

05 August 2025

Date

[redacted]

0065858

UNIVERSITY OF STELLENBOSCH

This is to certify that whereas

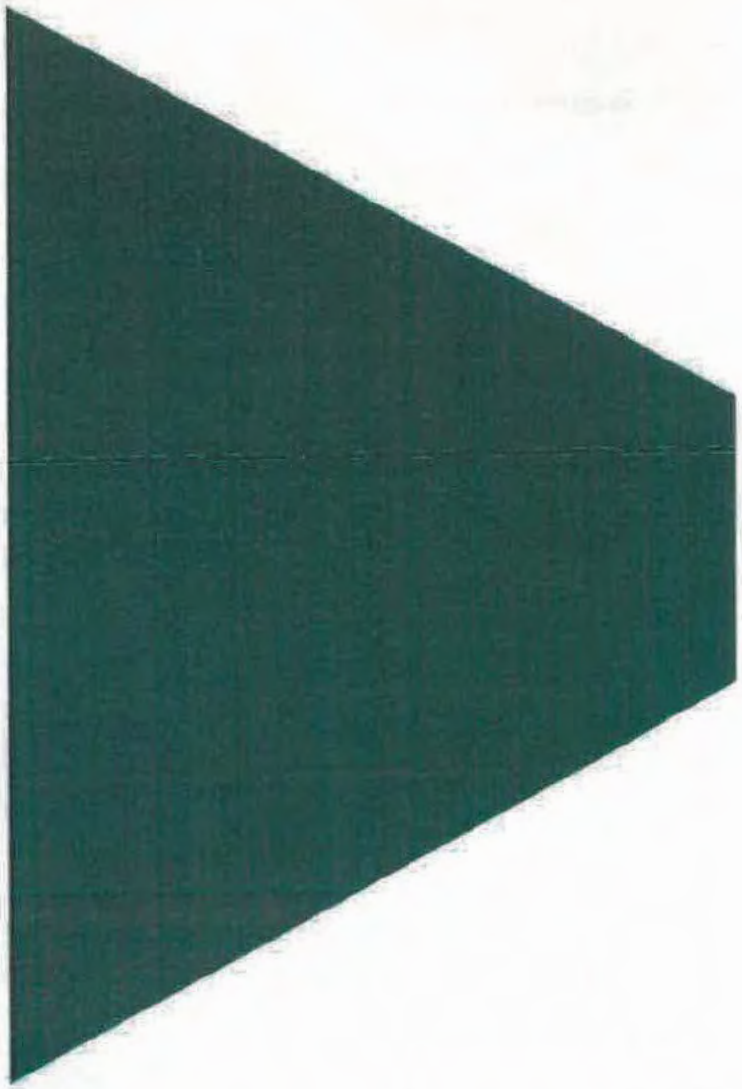
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Engineering Council of South Africa



[redacted]

SCHEDULE 12 :
Electronic Engineer



[redacted]



[redacted]

Associate

Summary

[redacted]

Qualifications

[redacted]

Steenbras pump storage main plant refurbishment, South Africa, City of Cape Town, 2024/02 - 2027/04

[redacted]

[redacted]

Languages

English

Certification:

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

[redacted]

[redacted]

[redacted]

Signature of Staff Member

06 August 2025

Date

[redacted]

0039994

UNIVERSITY OF STELLENBOSCH

[redacted]

This certificate is not authentic, unless printed on US watermark paper

0069750

UNIVERSITY OF STELLENBOSCH

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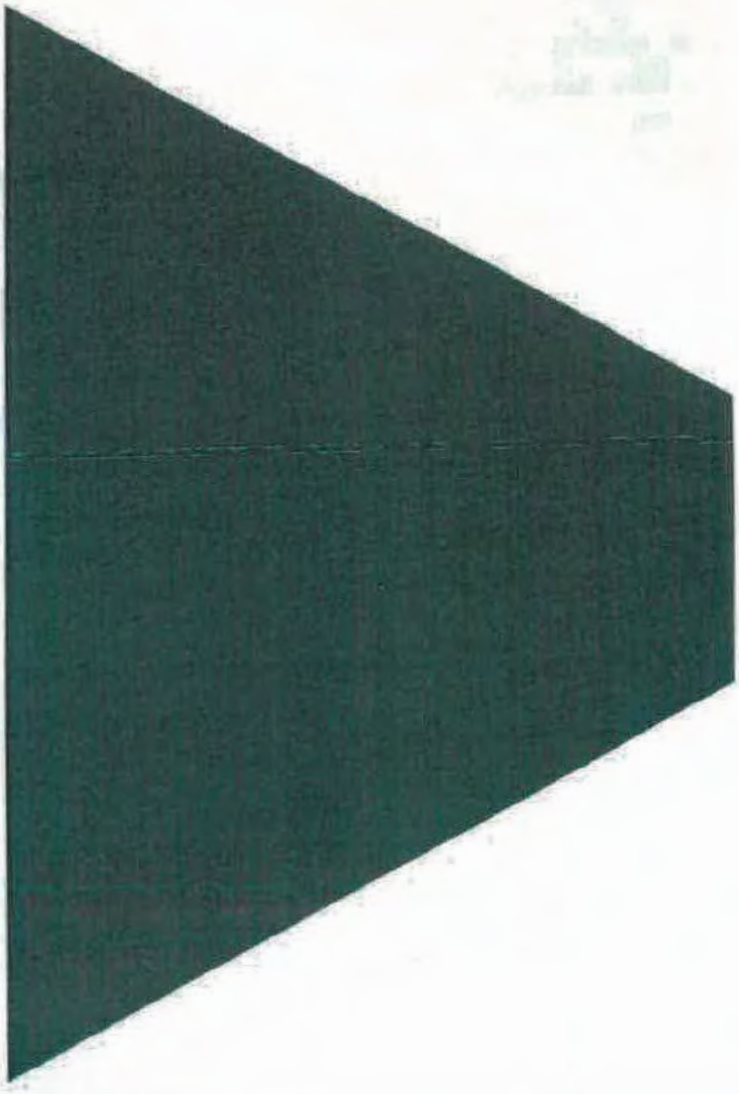
This certificate is not authentic unless printed on US watermark paper

Engineering Council of South Africa



[redacted]

SCHEDULE 12 :
Chief/Lead Resident Engineer



[redacted]

Associate

Summary

[redacted]

Qualifications

[redacted]

[redacted]

[redacted]

[redacted]

Signature of Staff Member

31.07.2025

Date

[redacted]

[redacted]

National University of Science and Technology



[redacted]

SAQA

CERTIFICATE

OF EVALUATION

[redacted]

(Born [redacted]

[redacted]

2007-11-27

[redacted]

UNIVERSITY OF ZIMBABWE

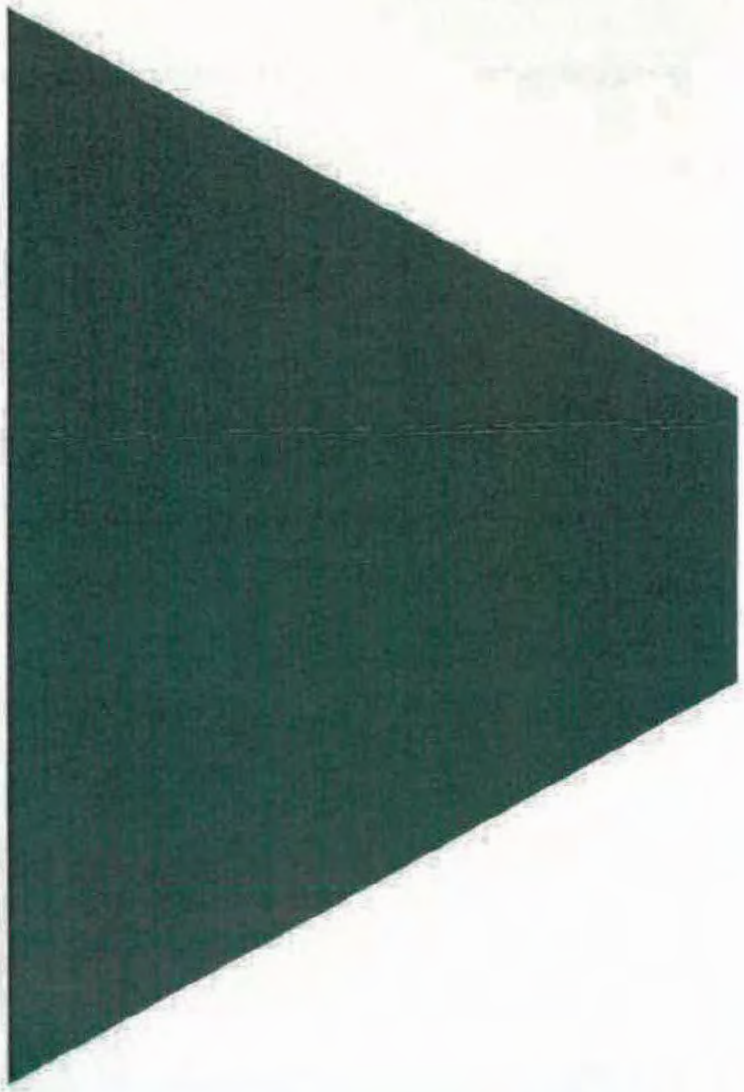


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Engineering Council of South Africa

[redacted]

SCHEDULE 12 :
Quantity Surveyor



[redacted]

Associate

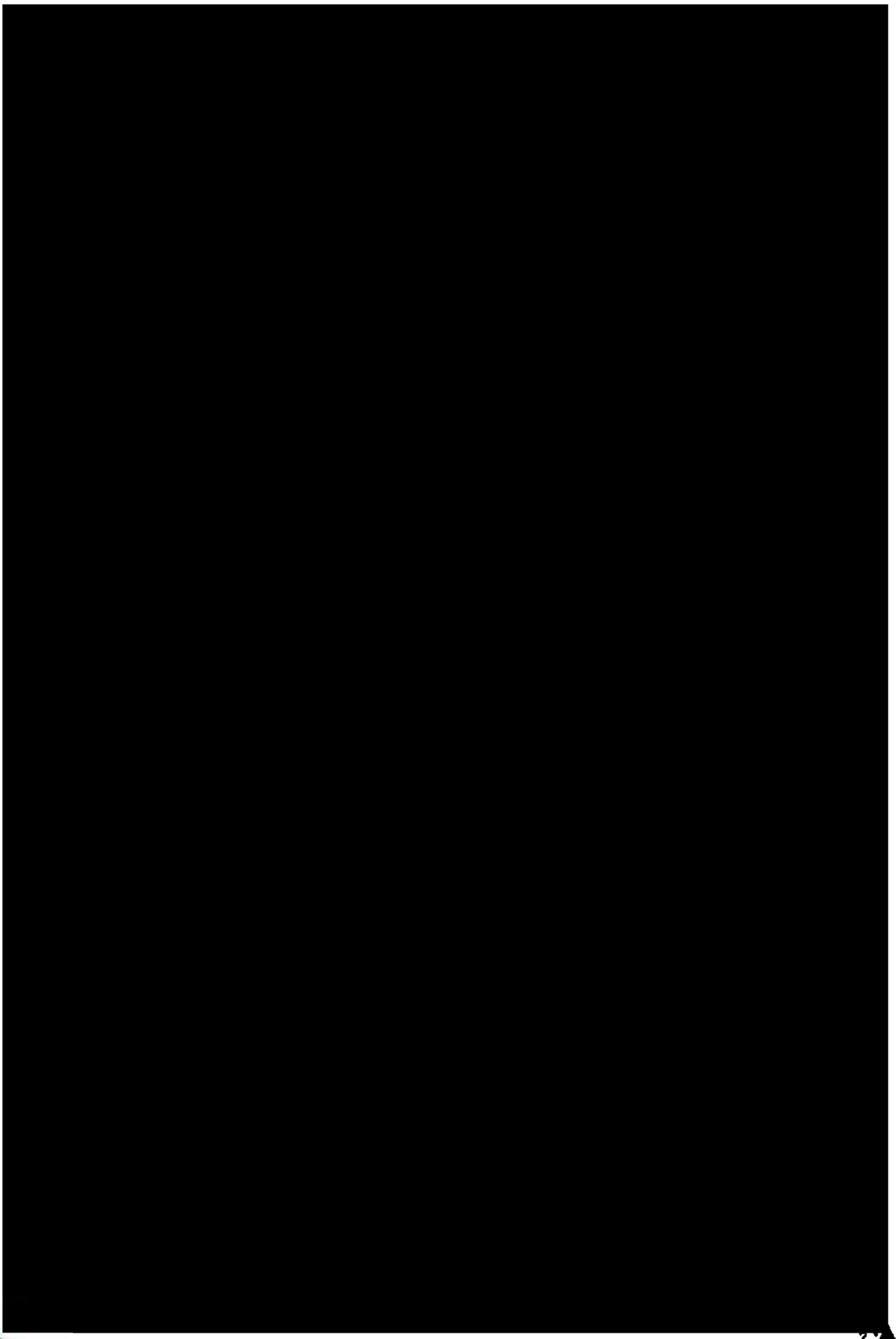
Summary

[redacted]

Mogalakwena Mine Housing Maintenance, South Africa, Rustenburg Platinum Mines, 2022/05 - 2025/09, Quantity Surveyor

The project involved civil and structural design and costing to refurbish

[redacted]



[redacted]

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

05 August 2025

Date

[redacted]

[redacted]

National University of Science and Technology

[redacted]

Vice-Chancellor

Registrar

Certificate No.
H21705

Date: 14/10/2005

BULAWAYO, ZIMBABWE

[redacted]

SAQA

CERTIFICATE

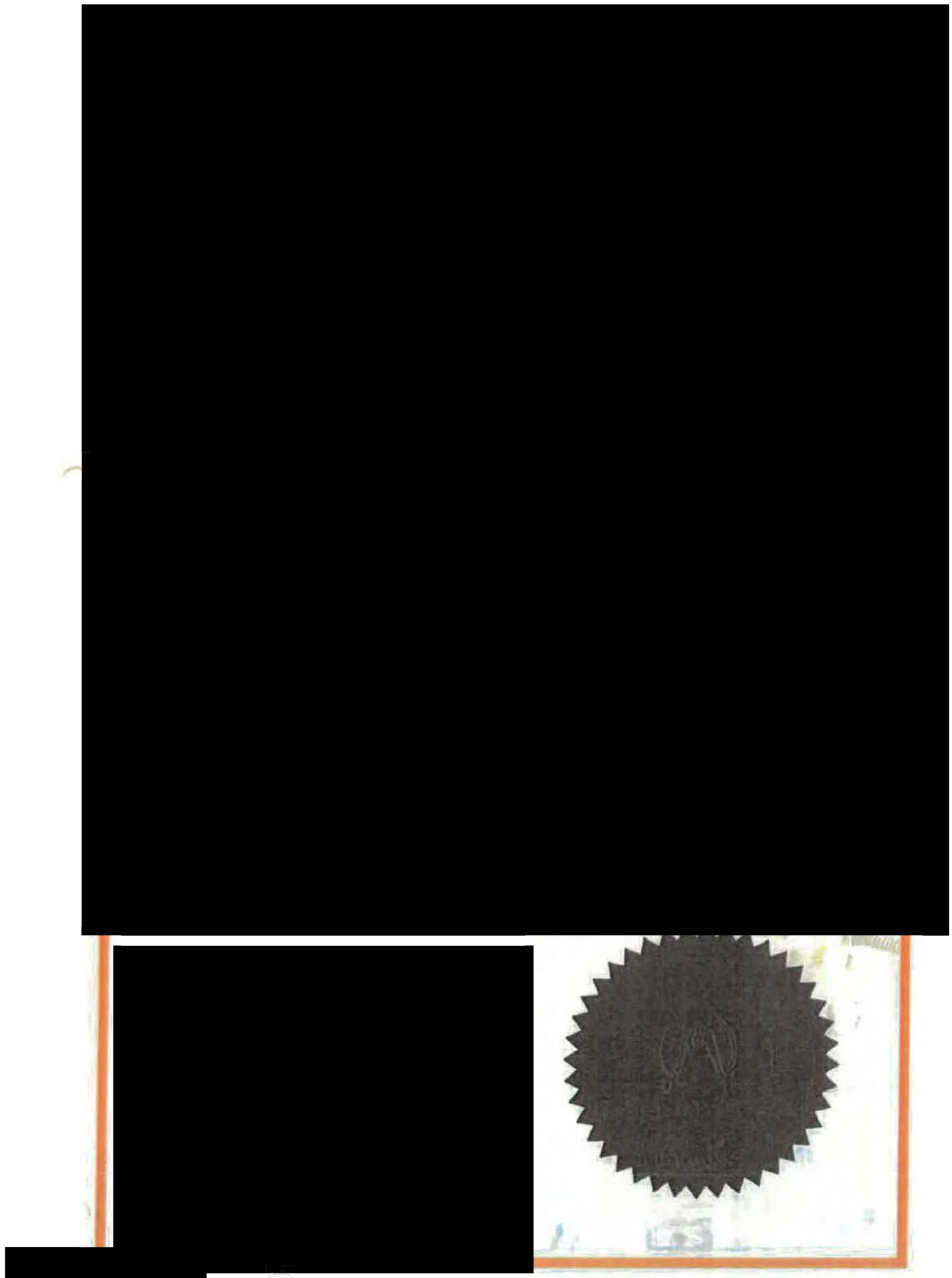
OF EVALUATION

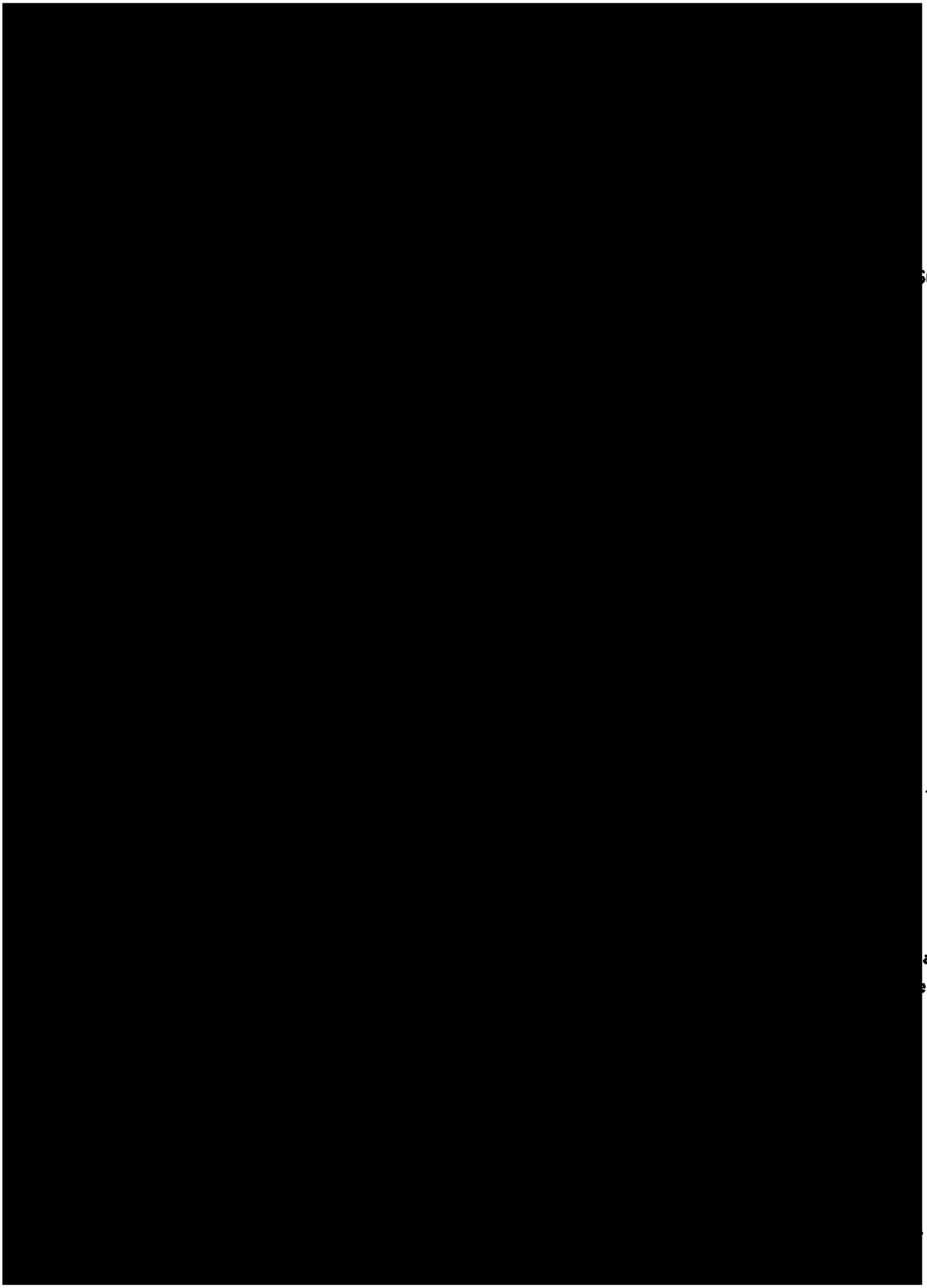
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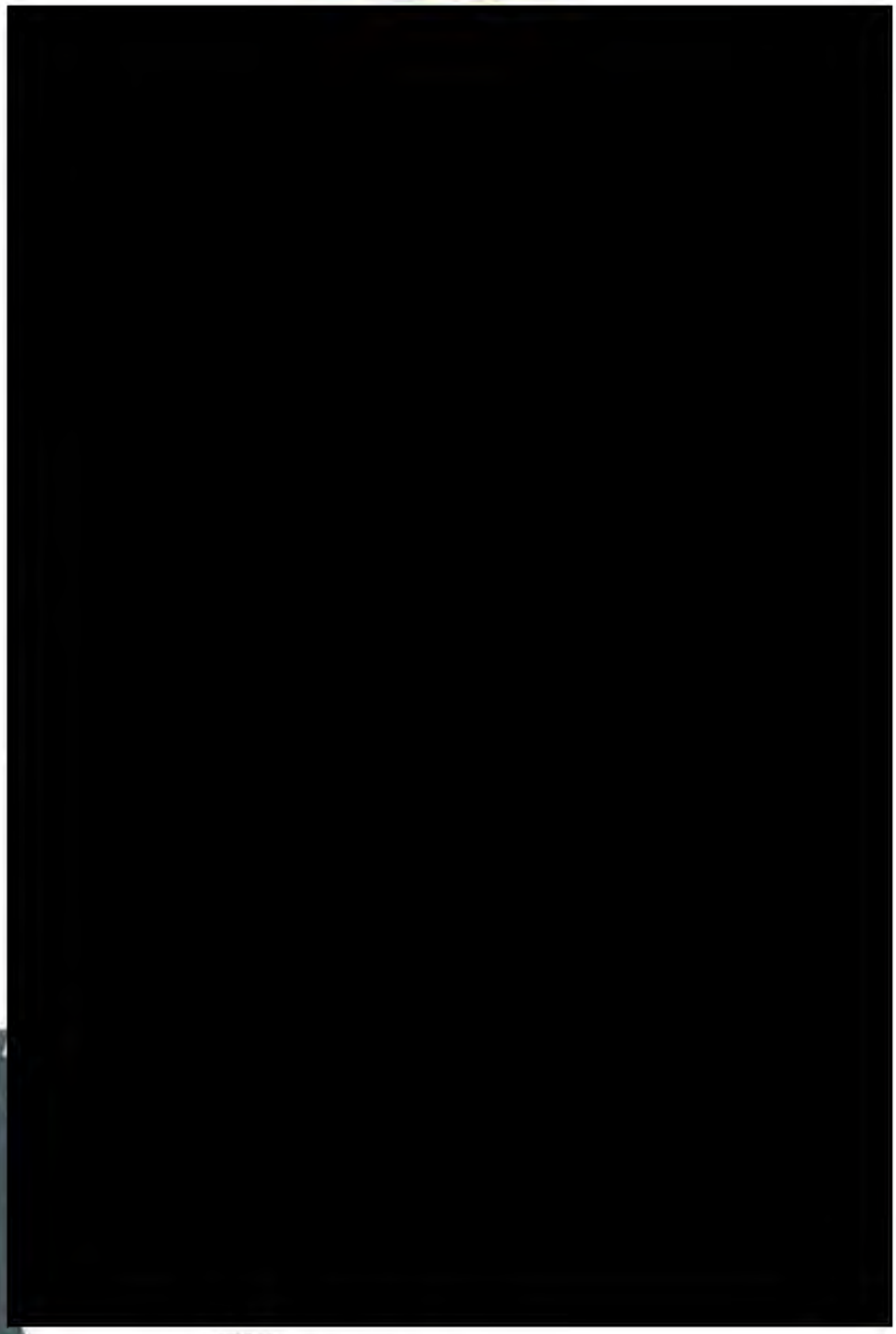
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ROYAL INSTITUTION OF CHARTERED SURVEYORS



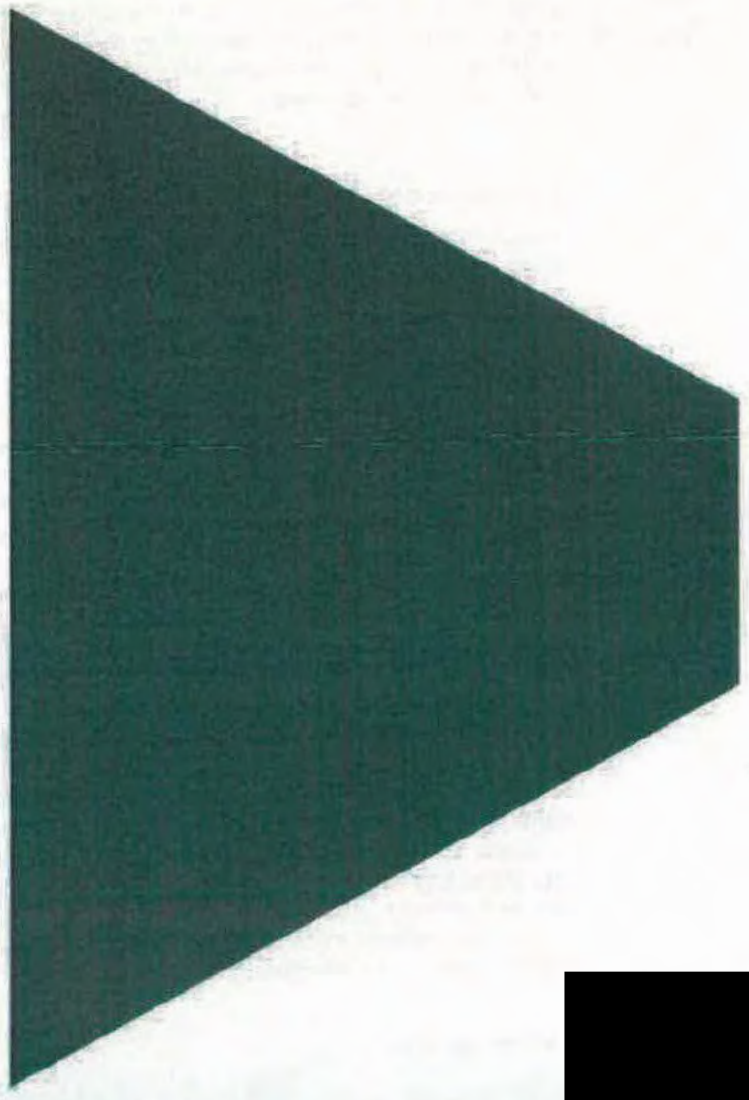




RICS®

This diploma is held from year to year subject to the provisions of the bye-laws of the Institution.

SCHEDULE 12 :
Professional Architect



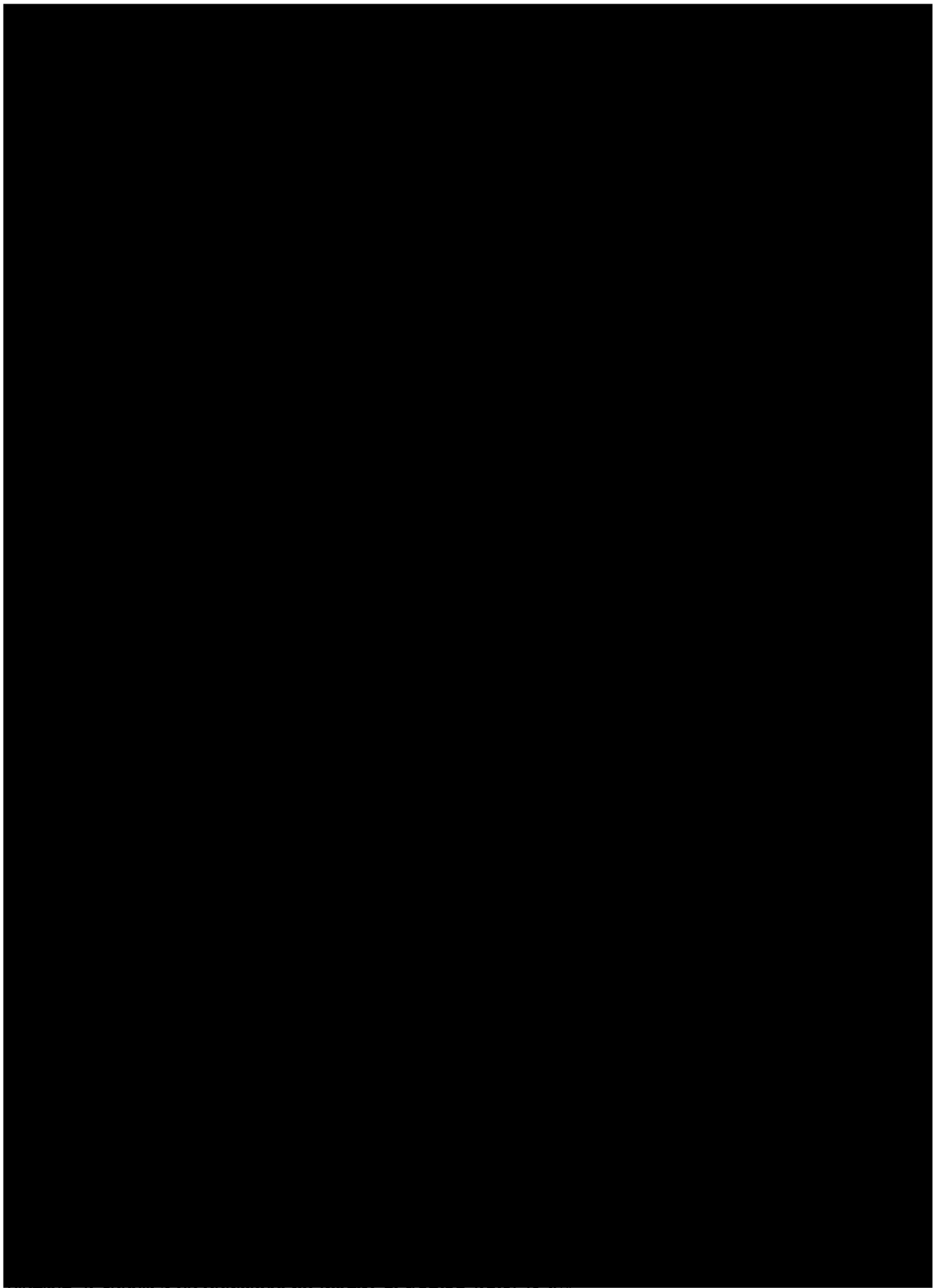
Curriculum Vitae: [redacted]

Name	:	[redacted]
Date of Birth	:	7 September 1973
Profession/Specialisation	:	Professional Architect
Nationality	:	South African
Years professional experience	:	22

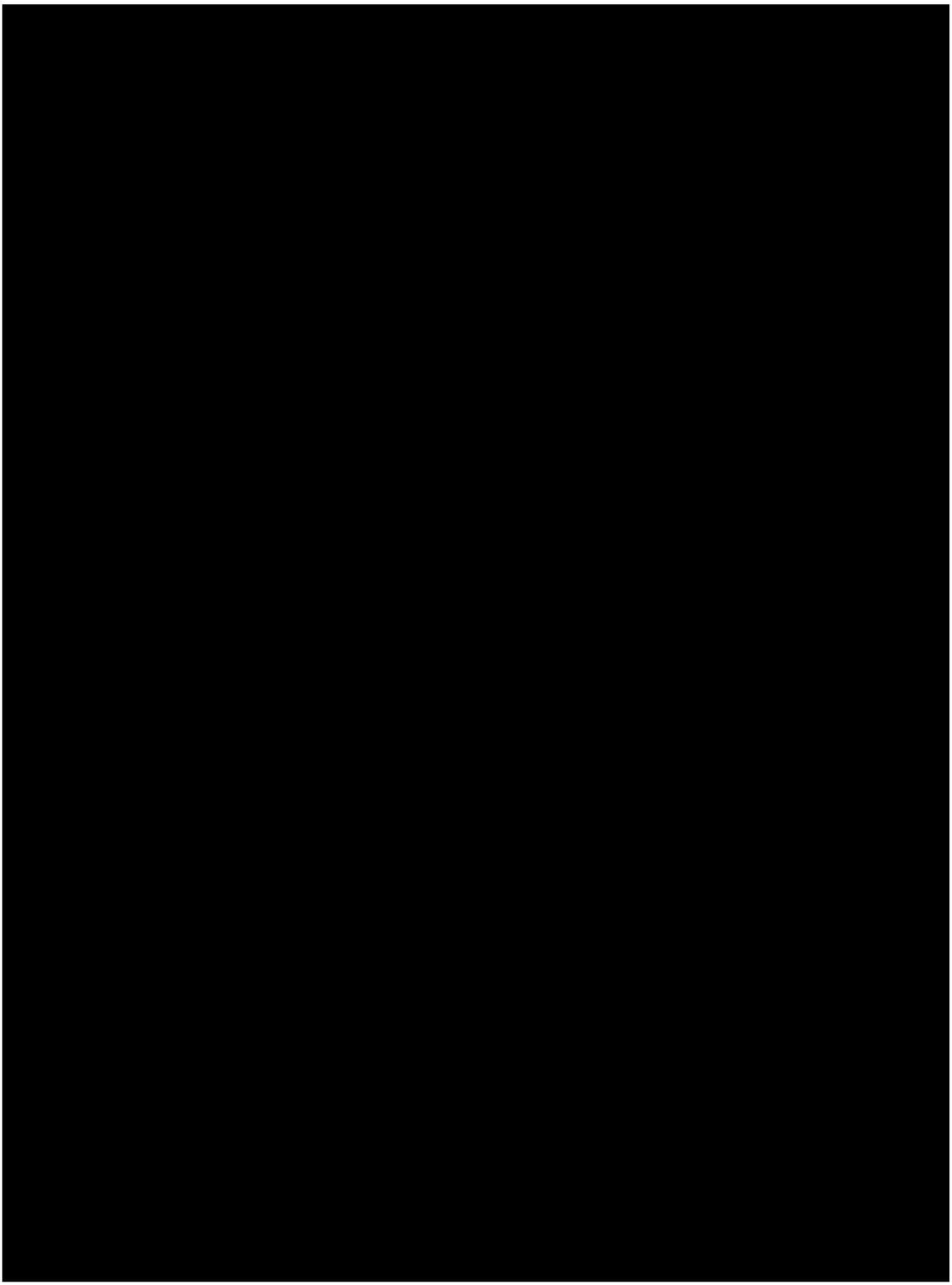
Key Qualifications

[redacted]

structural, electrical and civil design. (City of Cape Town).



pipeline. It supplies an additional 60 Mℓ/day of treated water to the



[redacted]

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

30 June 2025

Date



[redacted]

[redacted]

[redacted]

PD UCT

[redacted]

This is to certify that

[redacted]

of DARWIN COLLEGE

in the University of Cambridge

having satisfied the preliminary conditions and having been admitted to the examinations appointed by the University of Cambridge has been approved by the Examiners as a student well versed and proficient in Architecture and

has been awarded the

DIPLOMA IN ARCHITECTURE

[redacted]

South African Council
for the Architectural Profession

CERTIFICATE
OF REGISTRATION

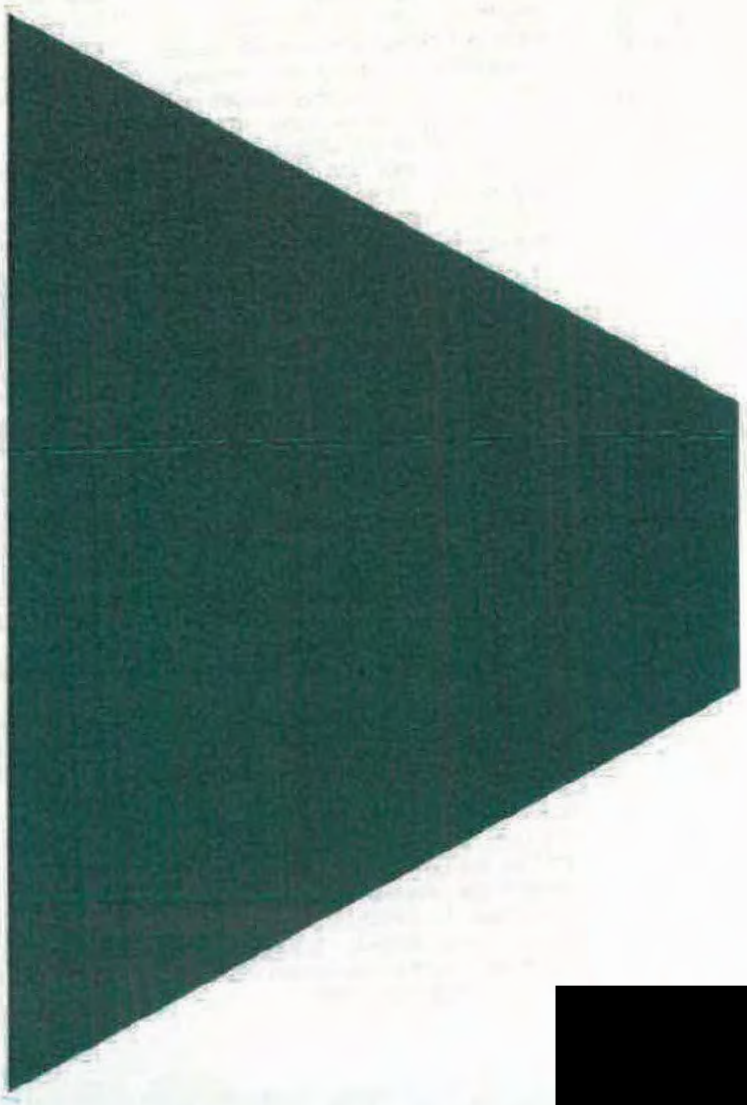
This certificate is proudly issued to

[redacted]

[redacted]

This certificate is only valid

SCHEDULE 12 :
Transaction Advisory/ PPP Specialist



[redacted]

Project Advisory | Development | Implementation | Management

Summary CV

[redacted]





[redacted]

J Maynard

[redacted]

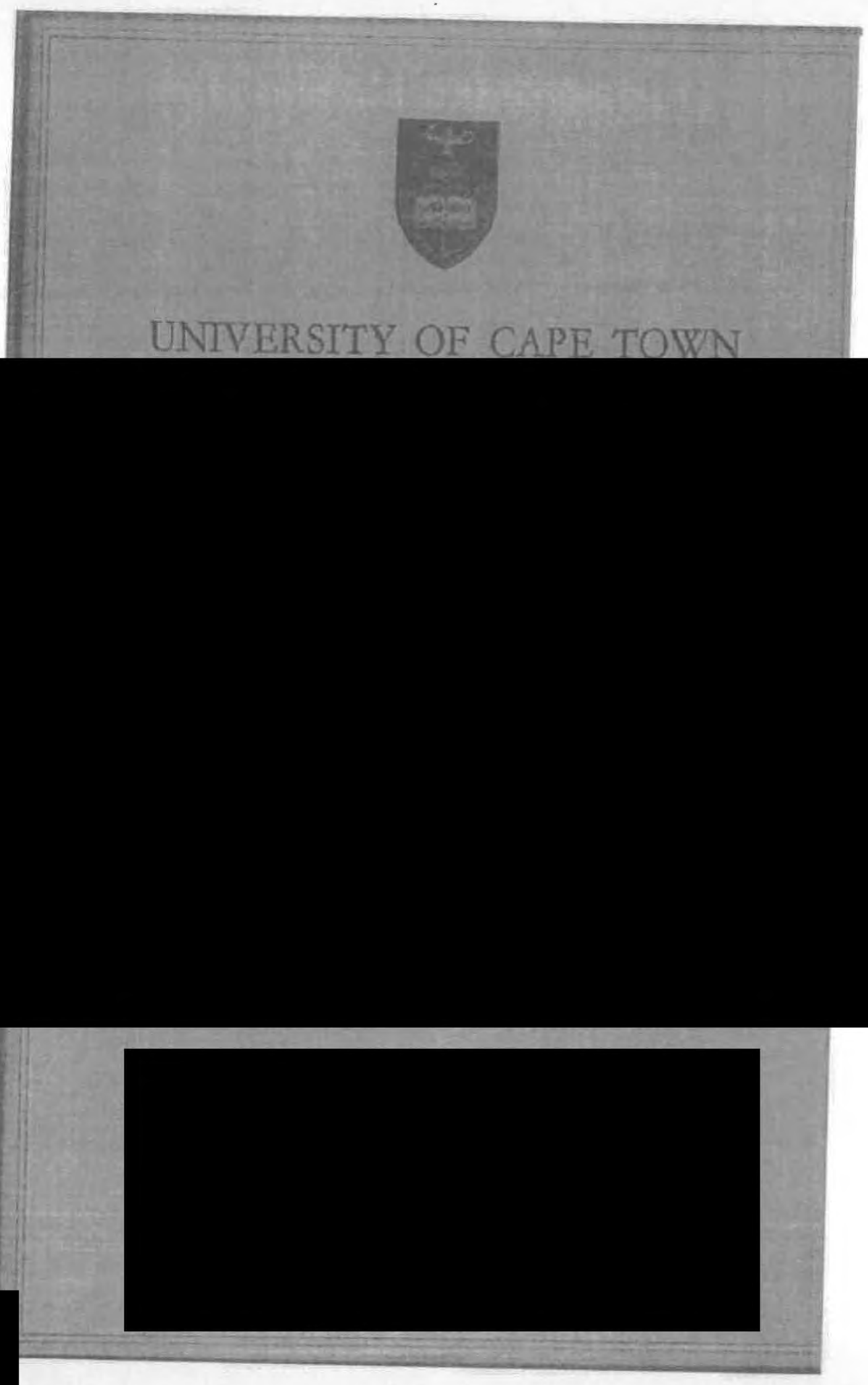
[redacted]

Signature of Staff Member

05 August 2025

Date

[redacted]


UNIVERSITY OF CAPE TOWN

UNIVERSITY OF CAPE TOWN

[redacted]

Registrar

Cape Town. 7th December, 1982.

[redacted]



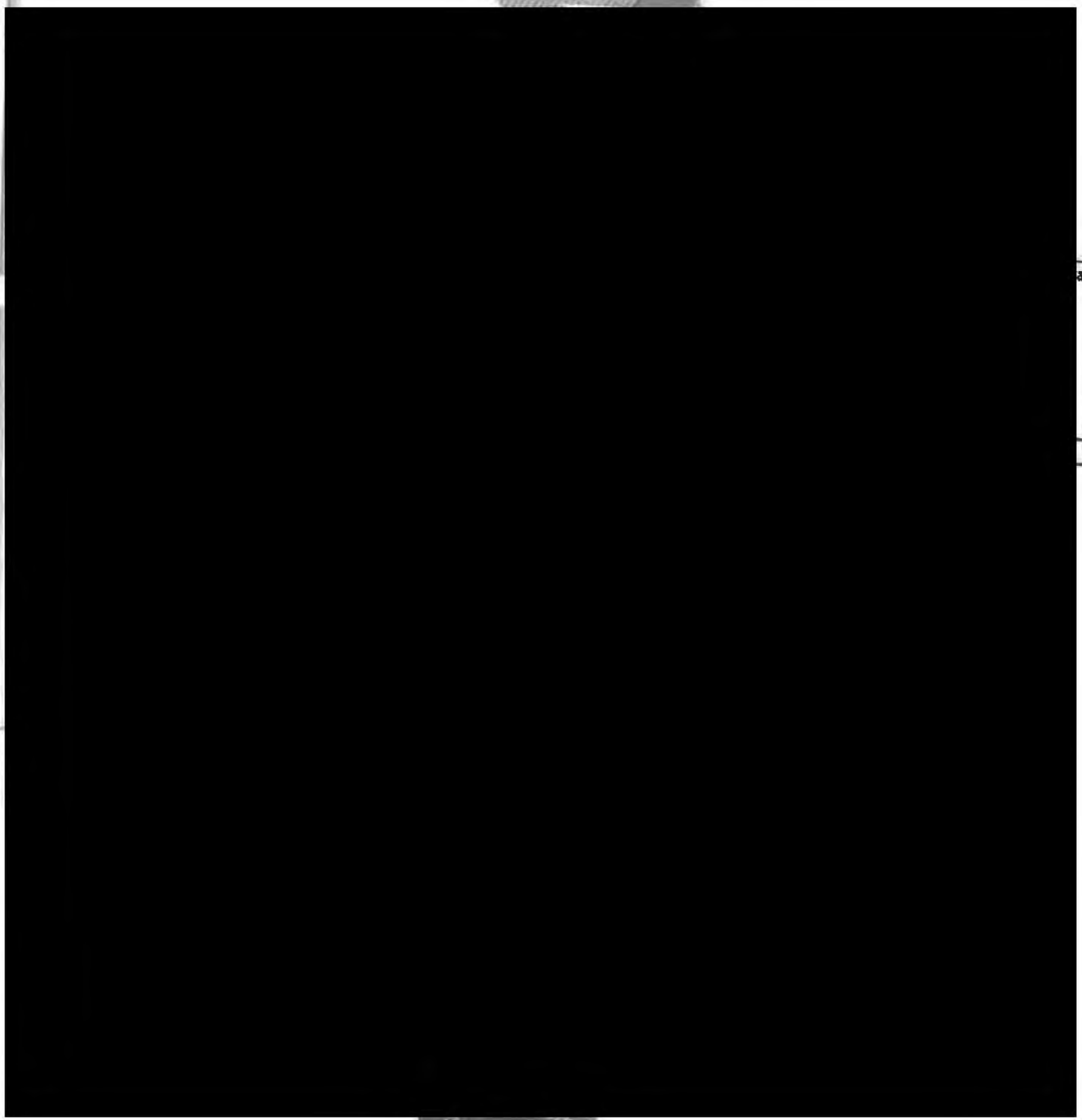
UNIVERSITY OF CAPE TOWN

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[redacted]

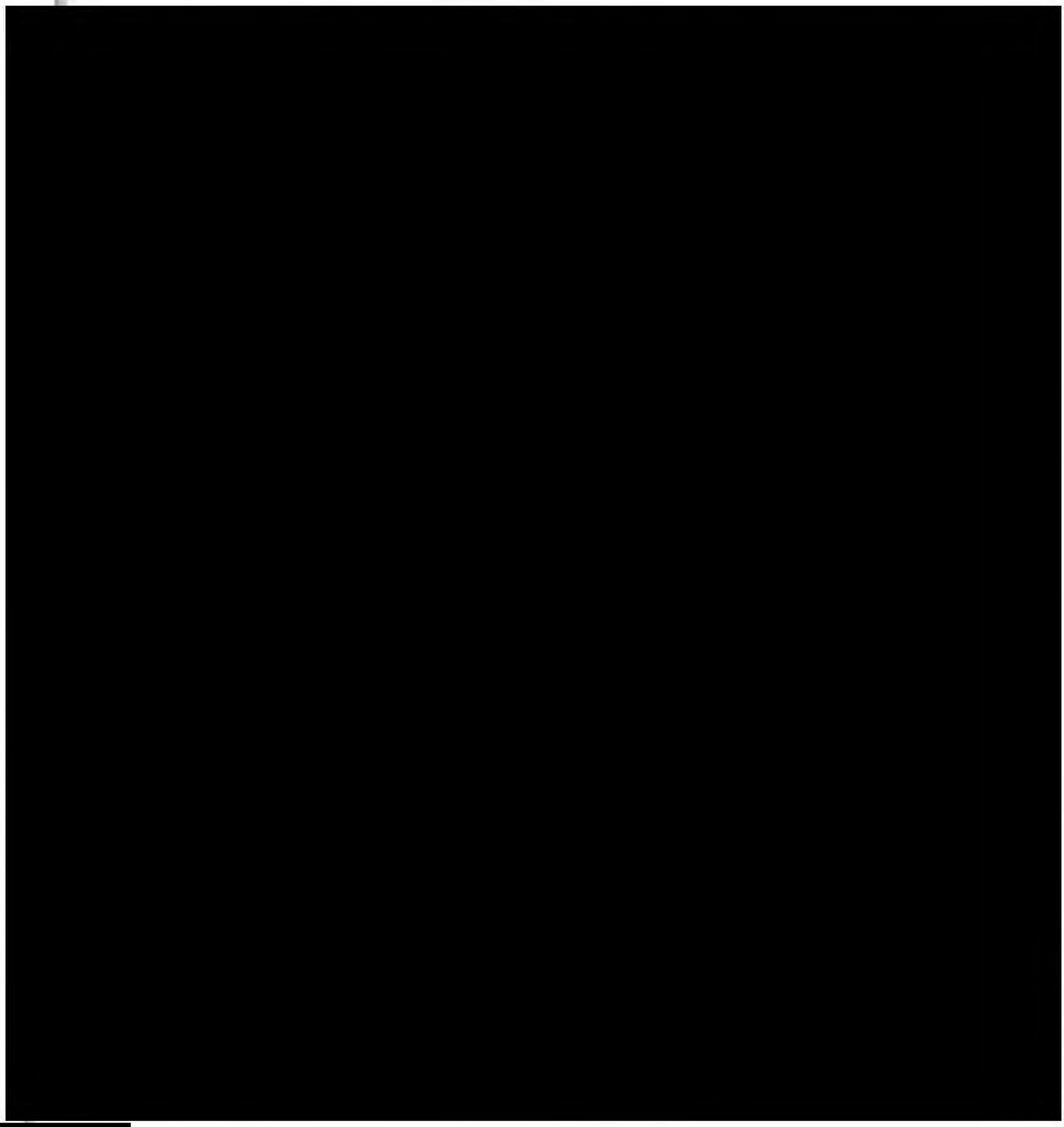
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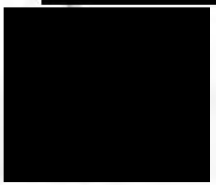
Engineering Council of South Africa

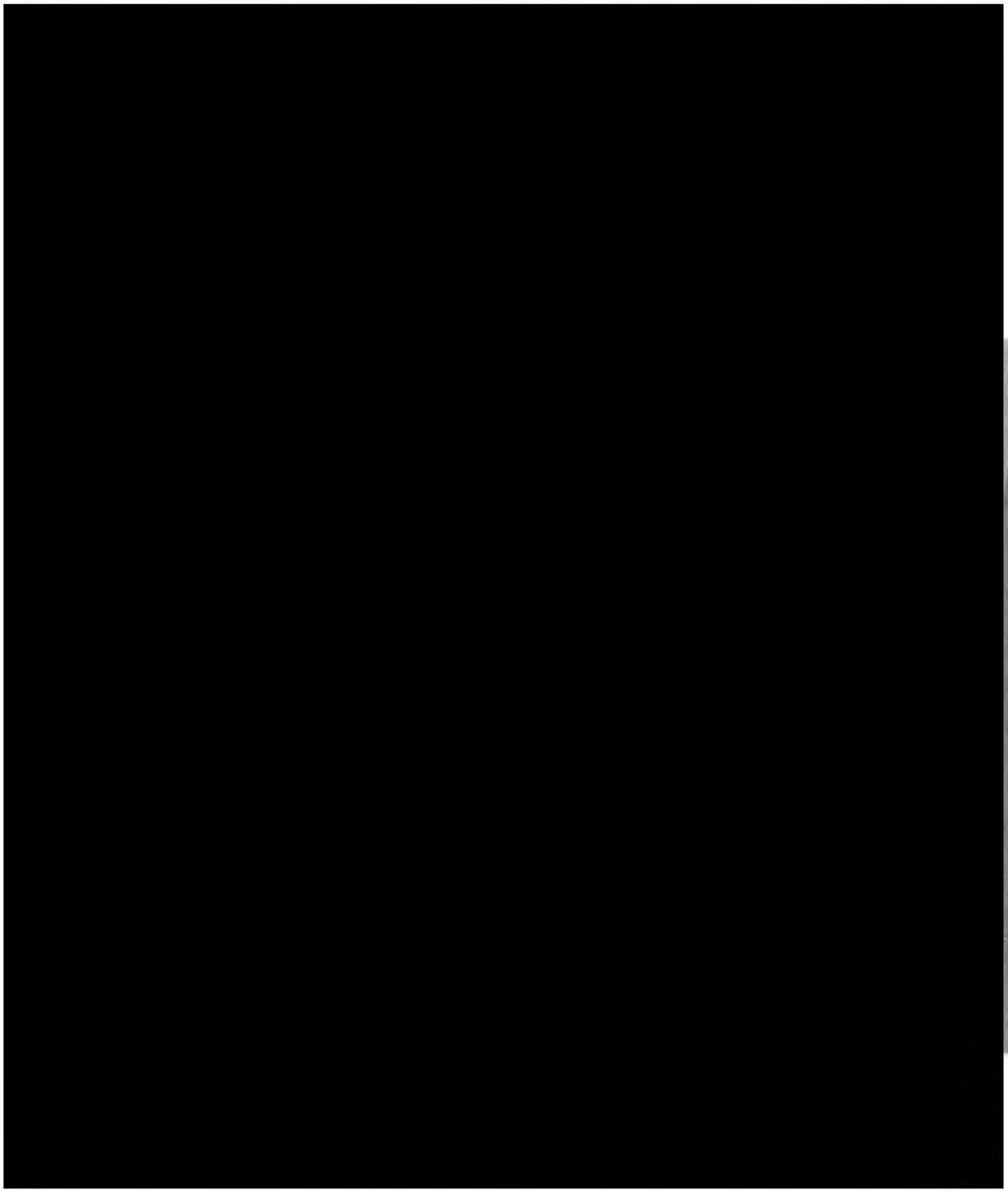




The Engineering Council







Certificate No:
201325

safma

[redacted]

17 Carlton Avenue, Dawncliffe, Westvills, 3629

Dated: 02 December 2013

This certificate is the property of SAFMA and it is valid only for as long as the holders name remains on the Register.

Incorporated under Section 21 (company not having a share capital)

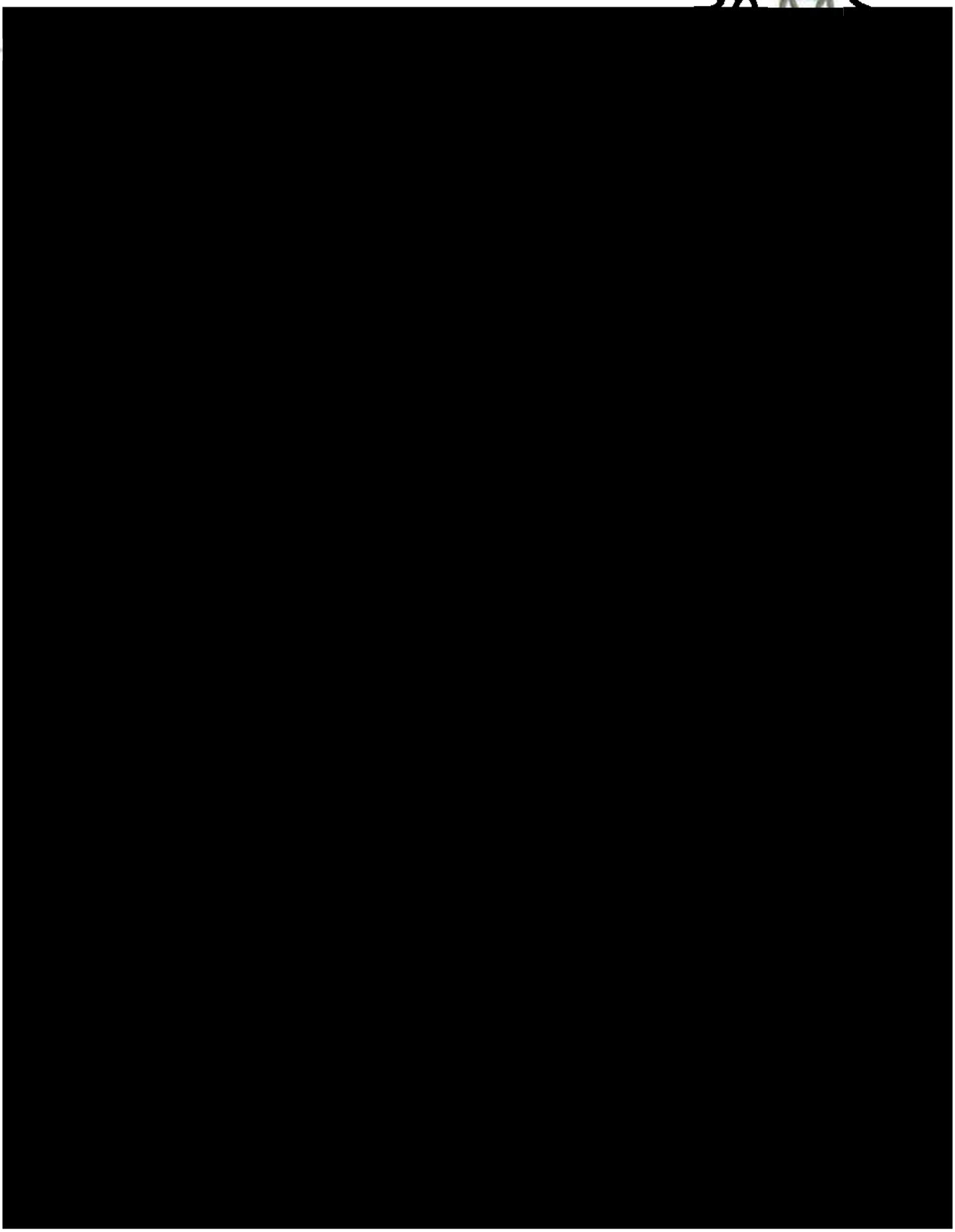
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SCHEDULE 12 :
Local Government Advisor



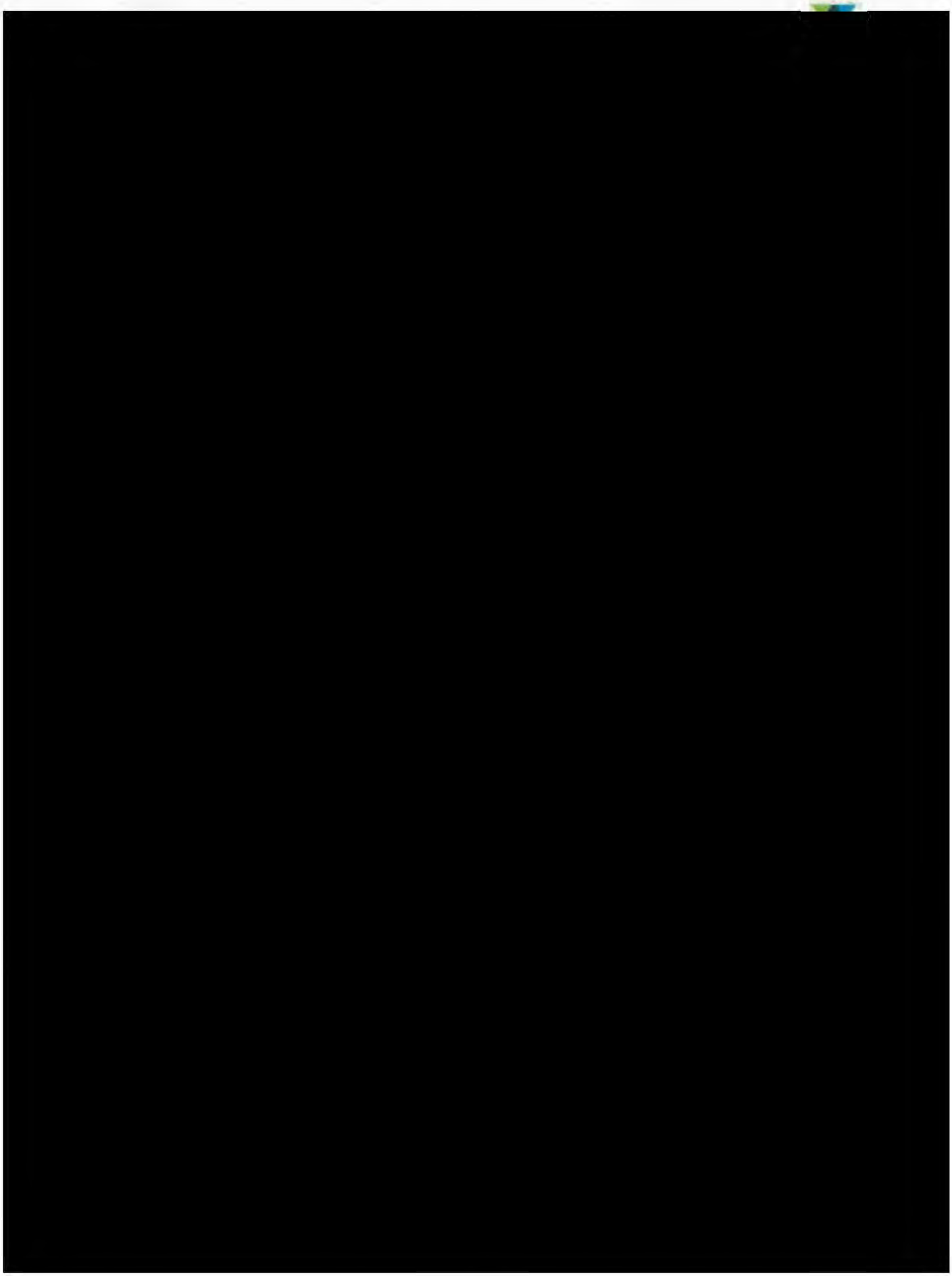
Curriculum Vitae: [redacted]

[redacted]



[redacted]

[redacted]



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Certification

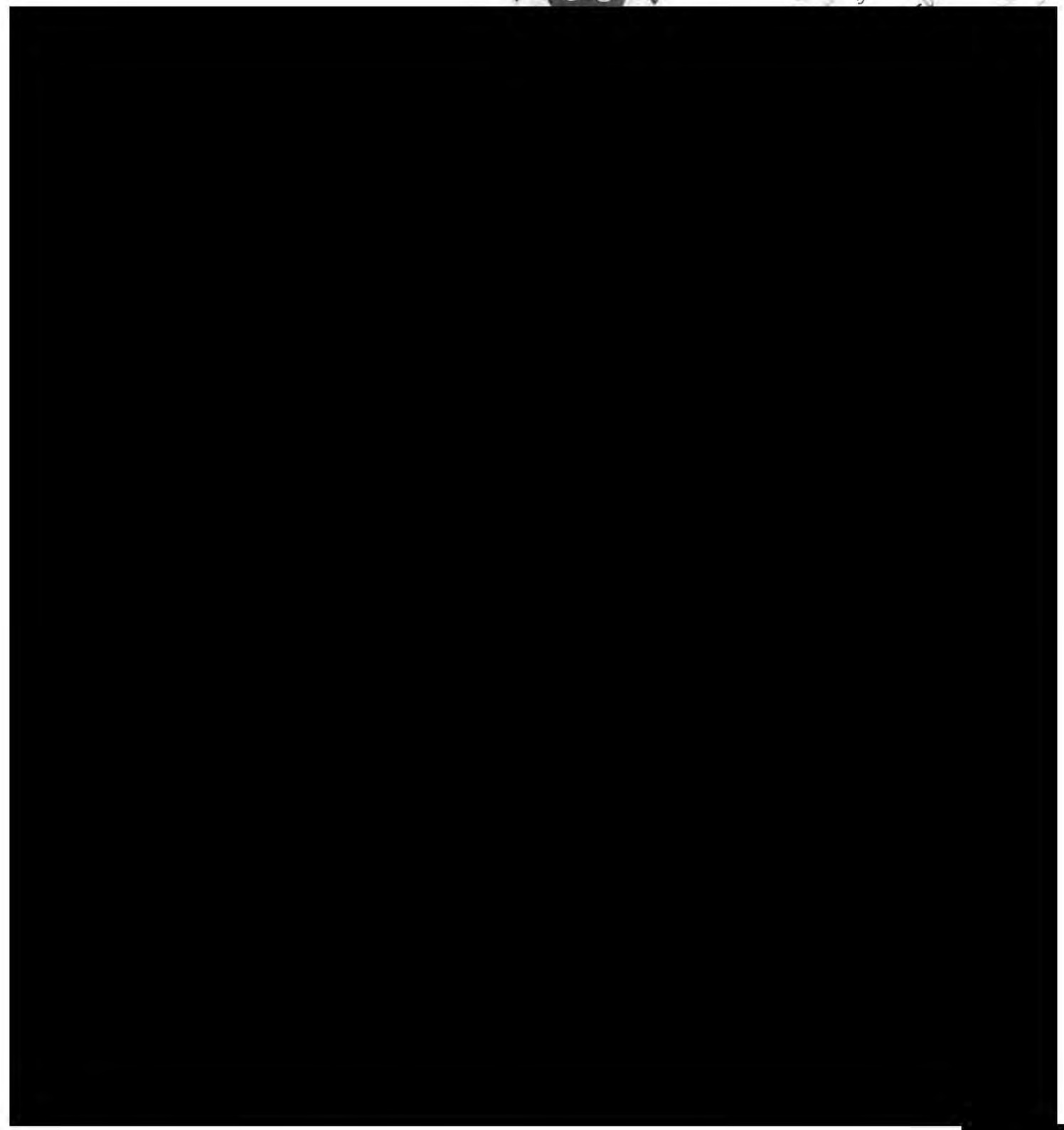
By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]
Signature of Staff Member

05 August 2025
Date

[redacted]



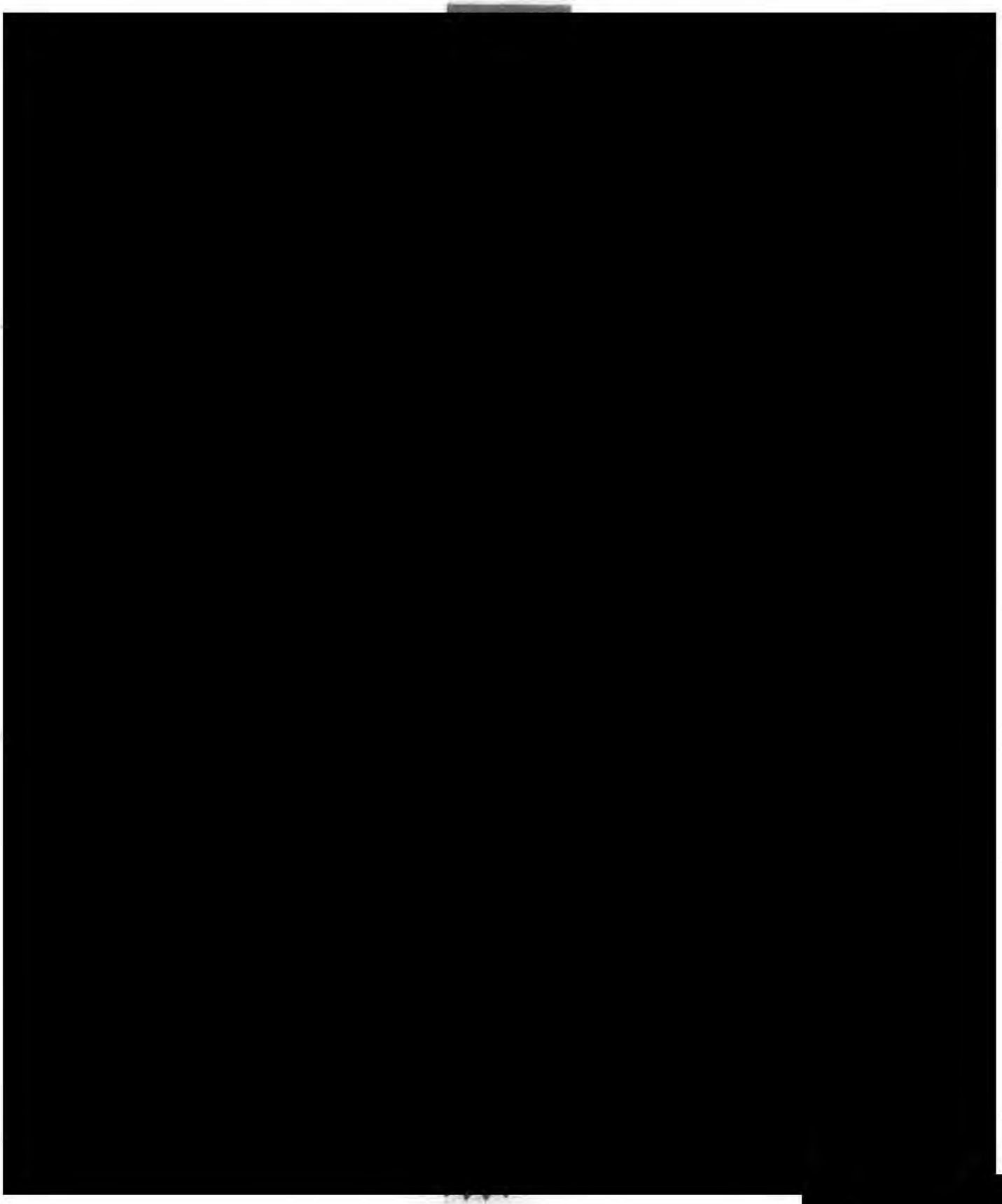




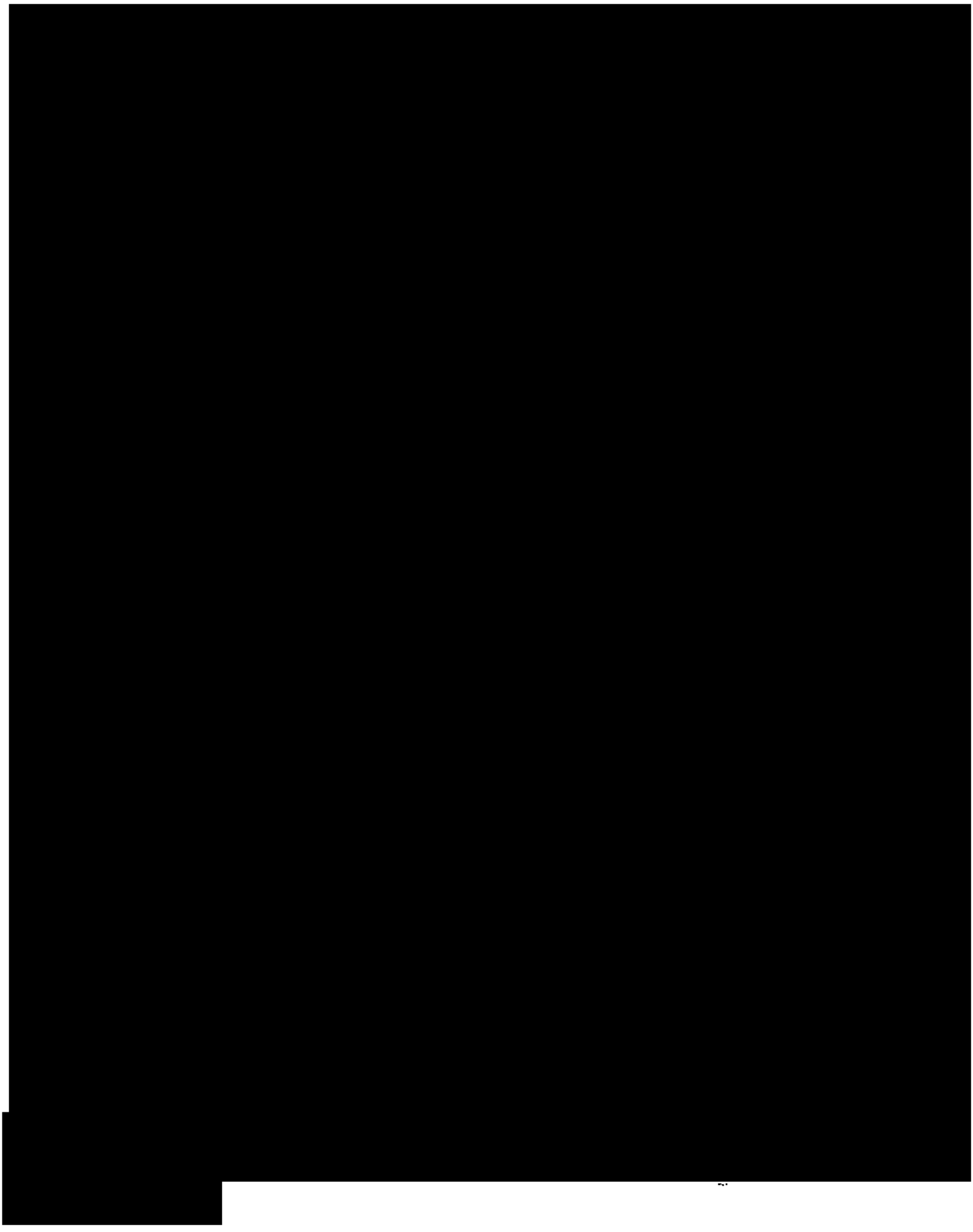


[redacted]

Universiteit van Suid-Afrika



Universiteit van Suid-Afrika



SCHEDULE 12 :
Financial Advisor



Curriculum vitae

Name :

[redacted]

[redacted]

	Included in this CV?
• PPP and Transaction Advisory	✓
• Water Feasibility, Financial Modelling, Tariffing & Advisory	✓
• Energy Feasibility, Financial Modelling & Tariffing	-
• Transport Master Planning & Regional Trade and Logistics	-
• Other Transport Feasibility & Advisory	-
• Rail Feasibility & Advisory	-
• Aviation Advisory	-
• Energy Feasibility, Financial Modelling & Tariffing	-
• Energy Sector Advisory	-
• Utilities & Other Feasibility, Costing & Pricing Studies	-
• Utilities & Other Policy	-
• Road Sector Institutional & Policy	-

(refer attached annexe)

[redacted]





[redacted]

Certification

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

06 August 2025

Date

[redacted]

[redacted]

UNIVERSITEIT VAN DIE VRYSTAAT
UNIVERSITY OF THE FREE STATE
YUNIVESITHI YA FREISTATA

[redacted] 339 BLOEMFONTEIN 9300 · REPUBLIEK VAN SUID-AFRIKA / REPUBLIC OF SOUTH AFRICA / REPHABLIKE YA AFRIKA BORWA

THIS IS TO CERTIFY THAT THE DEGREE

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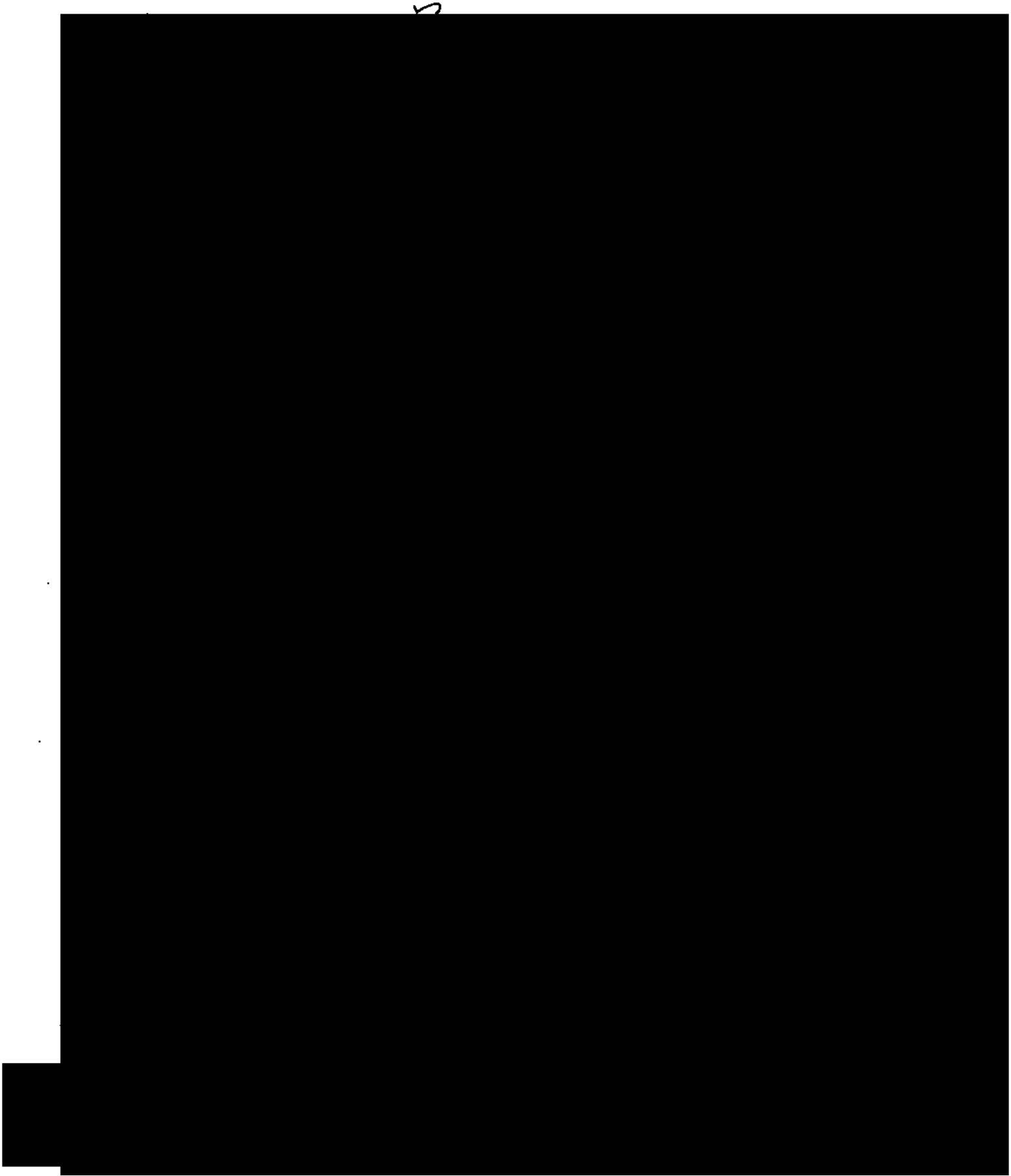
BLOEMFONTEIN
5 June 2003

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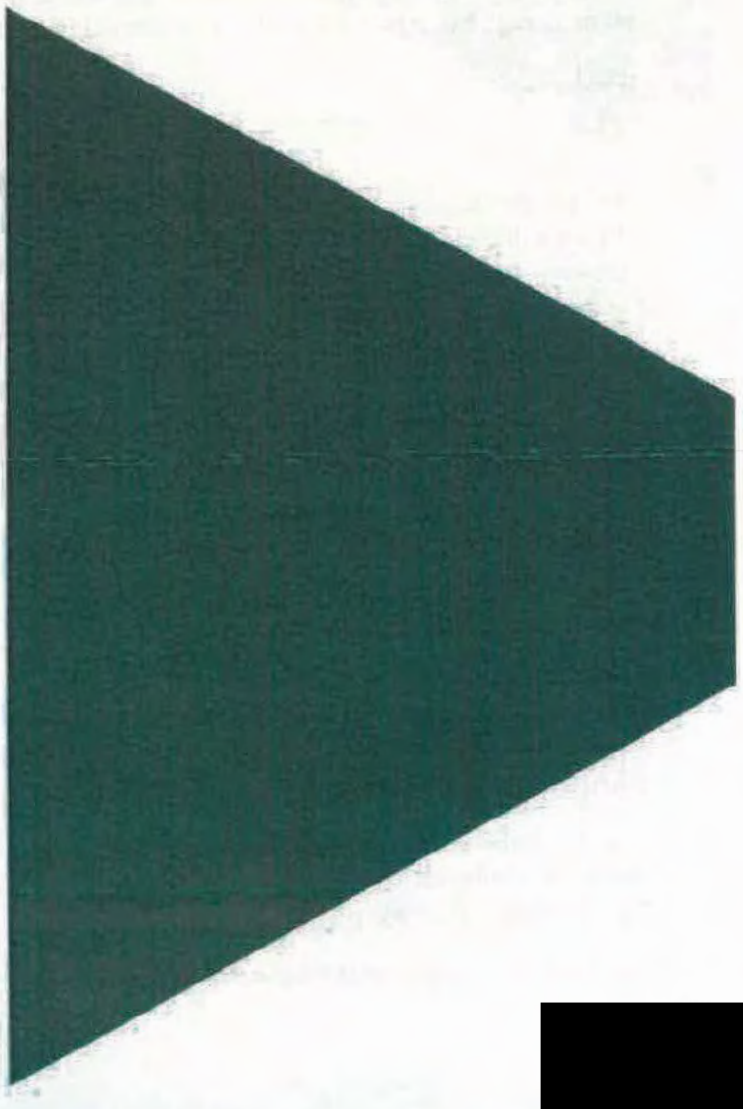
UNIVERSITEIT VAN DIE VRYSTAAT
UNIVERSITY OF THE FREE STATE
YUNIVESITHI YA FREISTATA

POSBUS 339 BLOEMFONTEIN 9300 · REPUBLIEK VAN SUID-AFRIKA / REPUBLIC OF SOUTH AFRICA / REPHABLIKE YA AFRIKA BORWA

[redacted]



SCHEDULE 12 :
Legal Advisor



[redacted]

B Comm LLB [redacted]

Name: [redacted]

Qualification: Admitted Attorney



Work experience:

- PPP transaction advisory services and training
- Contracts, procurement and blended funding models for infrastructure development and service delivery
- Public service delivery policy and law
- Public sector governance and institutional arrangements
- Development and implementation of infrastructure programmes

Karen trained as a commercial attorney. Since 1997 Karen has specialised in institutional, programme, project and contract structuring activities related to public service delivery and public infrastructure, with a particular interest in public private partnerships. She has been involved in developing, reviewing and implementing the South African local government regulatory framework since 1997.

For more than 25 years Karen has participated in innovative transactions involving public sector and commercial law, public sector funding models and institutional design at national, provincial and local level.

Karen's skill is in interpreting the context so that the solution is appropriate, and designed such that it can be funded and implemented in compliance with the applicable regulatory framework. She understands the legal framework and has practical experience in identifying, understanding and facilitating roles and responsibilities of the various stakeholders in public sector transactions. She works well in multi-disciplinary transaction advisory teams and adds value through her legal background, and also her interest in impacting service delivery.

Education:

Degree	Date Conferred	Institution
Master of Philosophy in Development Finance (MPhil DevFin)	2021	Stellenbosch University, South Africa
Diploma in Advanced Banking Law	1998	University of Johannesburg, South Africa
LLB (Postgraduate)	1996	University of Port Elizabeth, South Africa
BComm Law	1994	University Port Elizabeth, South Africa

Employment:

Date	Employer	Position
Sept 2005 to date	Amber Public Sector Consulting (Pty) Ltd, Somerset West	Director
March 2000 to Aug 2005	Ashira Consulting (Pty) Ltd, Johannesburg	Director
Jan 1996 to Feb 2000	Edward Nathan & Friedland Inc, Johannesburg	Admitted Attorney

Professional Association:

Admitted Attorney (South Africa)
Legal Practice Council – membership number 98177
APMG Certified PPP Practitioner: CP3P® (1) Foundation – 2018; CP3P® (3) Execution - 2020

Language Proficiency:

English – Excellent speaking reading and writing
Afrikaans - Proficient reading

Countries of work experience:

South Africa, Lesotho, Mozambique, Maldives

[redacted]

Extract of recent project experience

[redacted]

[redacted]

Certification

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

06 August 2025

Date

[redacted]

University
of
Port Elizabeth



Universiteit
van
Port Elizabeth

[redacted]

University
of
Port Elizabeth



Universiteit
van
Port Elizabeth

This is to certify that, the requirements having been satisfied, the degree of

Hiermee word verklaar dat, nadat aan die vereistes voldoen is, die graad

Baccalaureus Legum

[redacted]

G.P.-S. 003-0171

Case no: 3391/98

J 353

IN THE HIGH COURT OF SOUTH AFRICA

(TRANSVAAL PROVINCIAL DIVISION)

Pretoria , this 24TH day of MARCH , 19 98

Before the Honourable MR [redacted]

AND BEFORE THE HONOURABLE MR JUSTICE DU PLESSIS

[redacted]

0221388

UNIVERSITY OF STELLENBOSCH

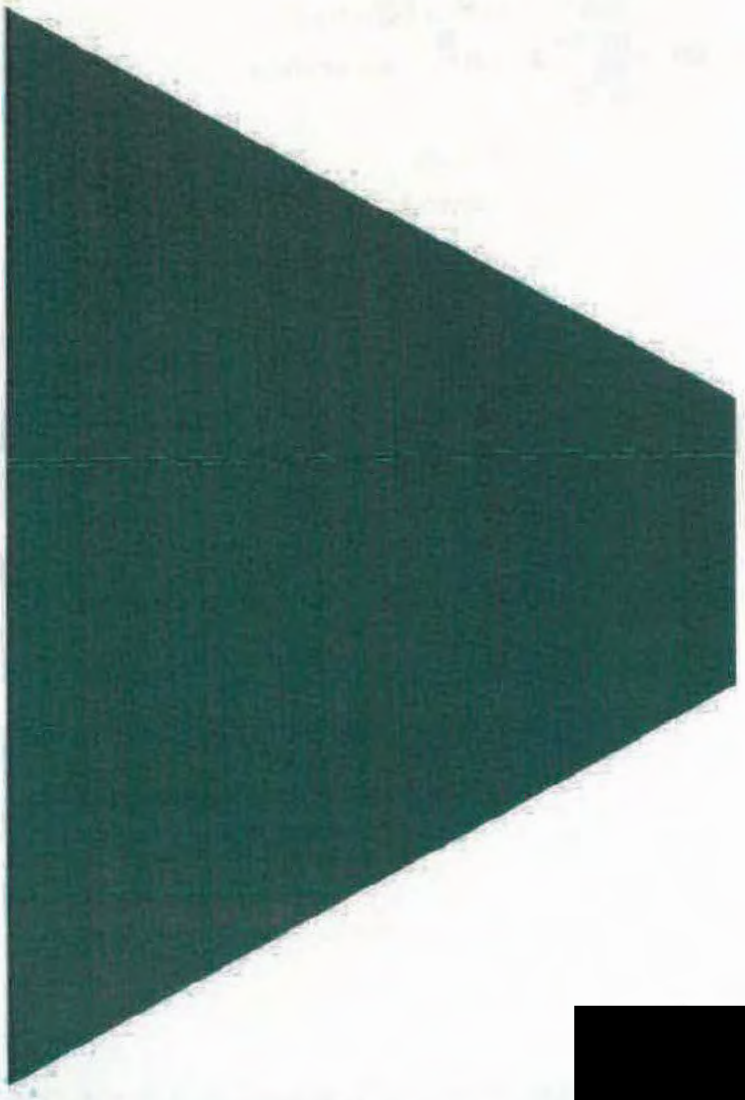
This is to certify that whereas

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SCHEDULE 12 :
B-BBEE and Socio-Economic Specialist



CURRICULUM VITAE

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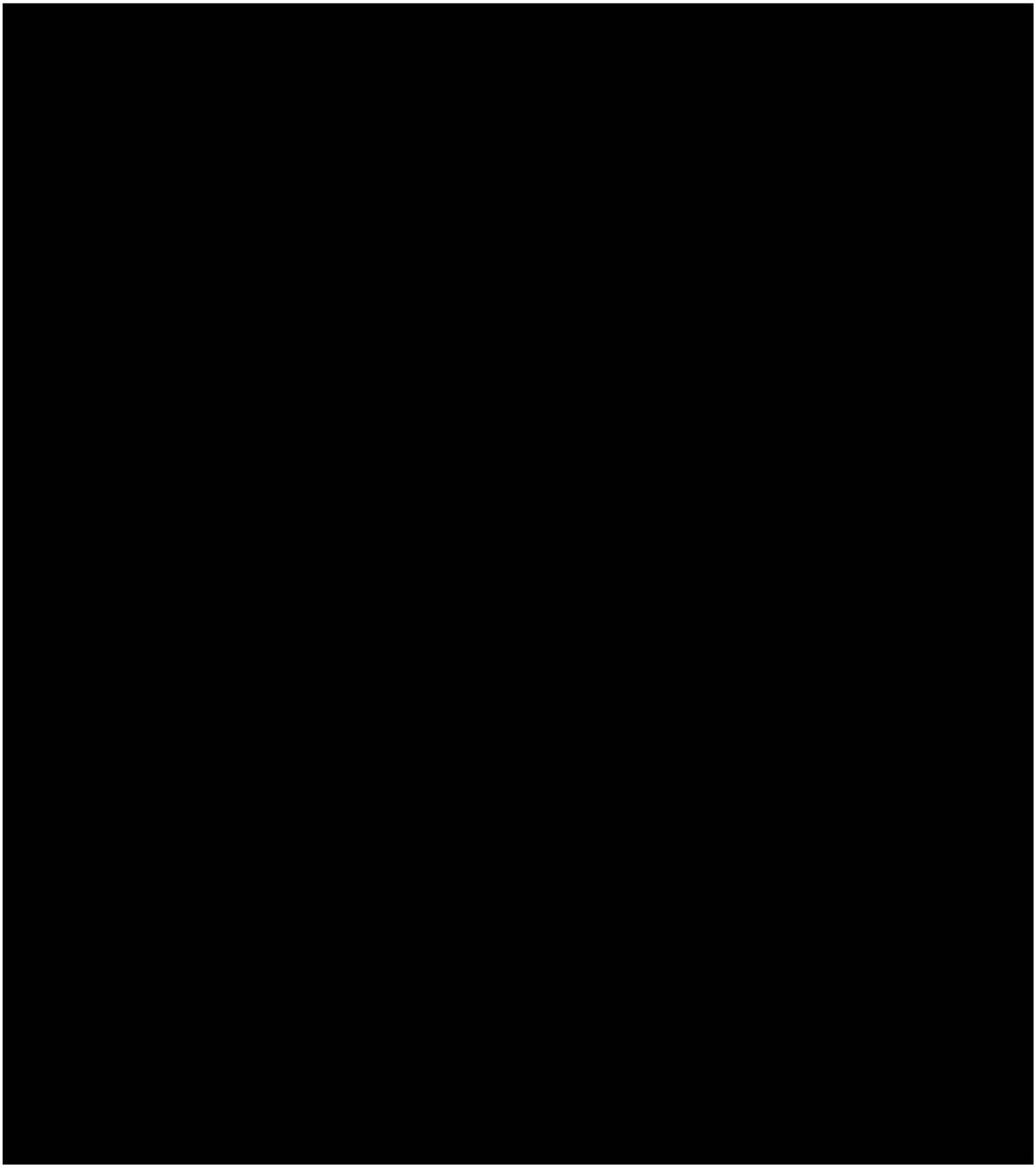
PERSONAL DATA

SURNAME [redacted]
NAME
ADDRESS

TELEPHONE NUMBER
E-MAIL

[redacted]

TERTIARY



[redacted]

REFERENCES

1.) [redacted]

2.) [redacted]

Certification:

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

05 August 2025

Date

3.) [redacted]

[redacted]

0074892

UNIVERSITEIT VAN STELLENBOSCH

[redacted]

Hierdie sertifikaat is nie eg nie tensy dit op US-watermerkpapier gedruk is.

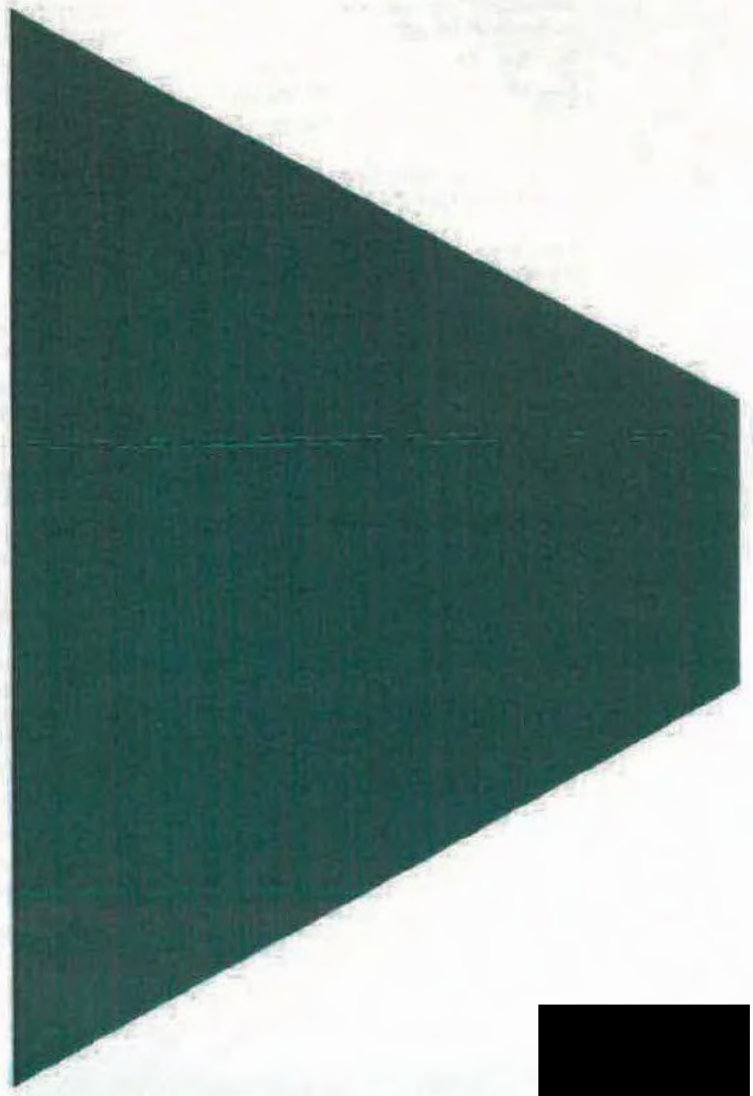


we certify that

[redacted]

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SCHEDULE 12 :
Infrastructure Asset Management Specialist



[redacted]

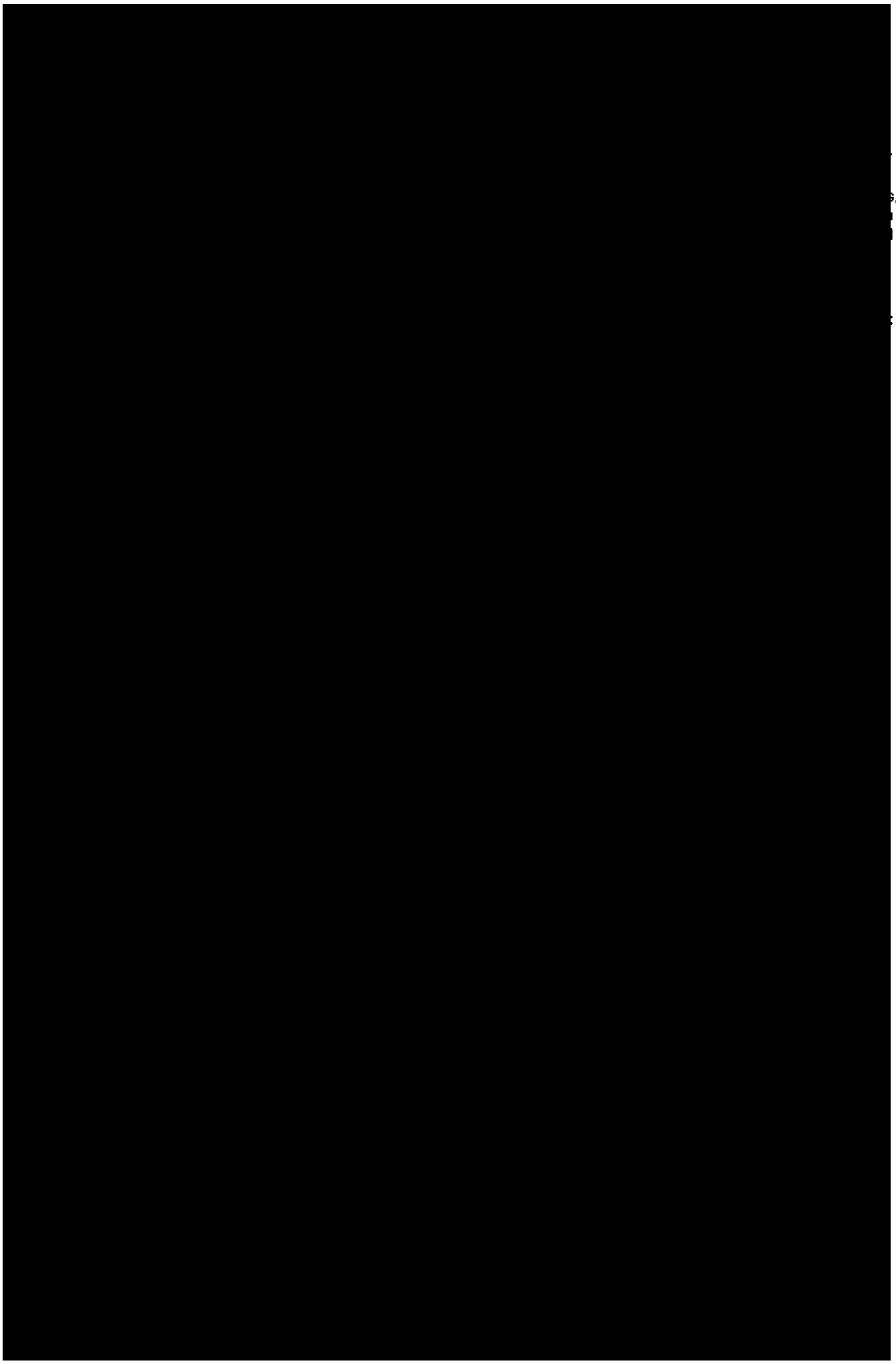
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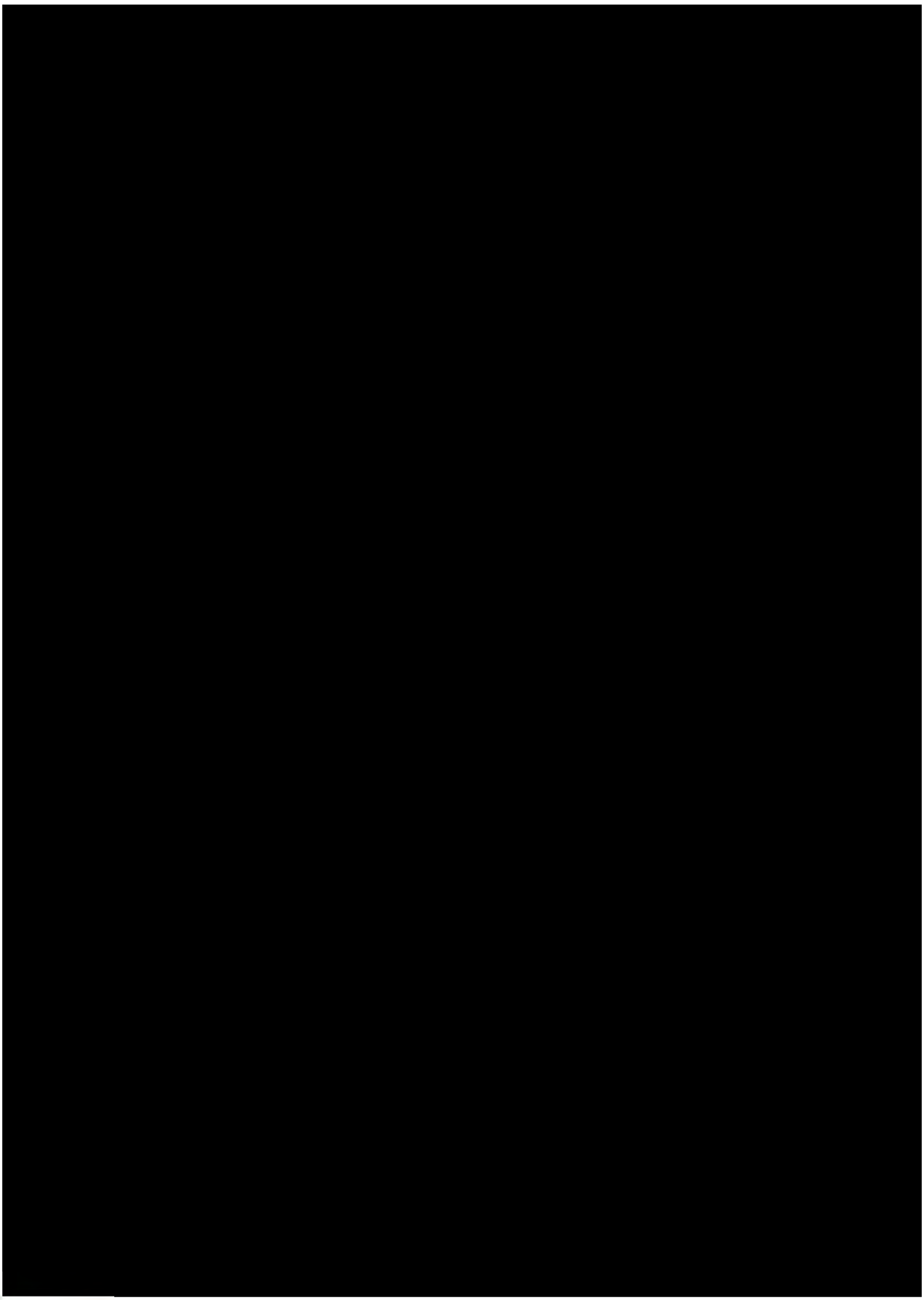
Senior Consultant, Asset Management

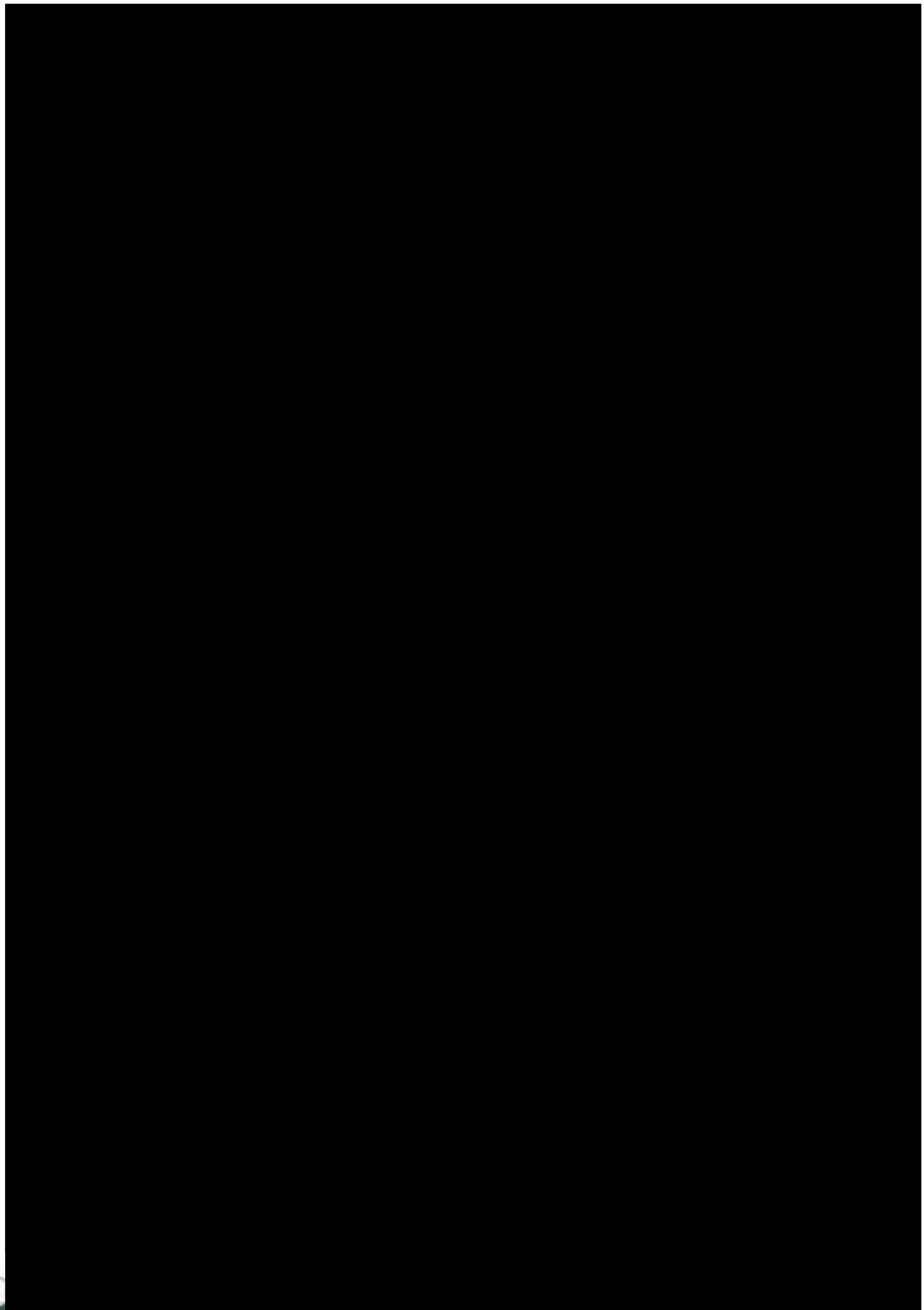
Summary

[redacted]

[redacted]







[redacted]

Certification:

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

07 August 2025

Date

[redacted]

29427152



University of Pretoria

[redacted]

UNISA

UNIVERSITY OF SOUTH AFRICA

150 YEARS

[redacted]

[redacted]

Vice Chancellor

[redacted]

Executive Dean

[redacted]

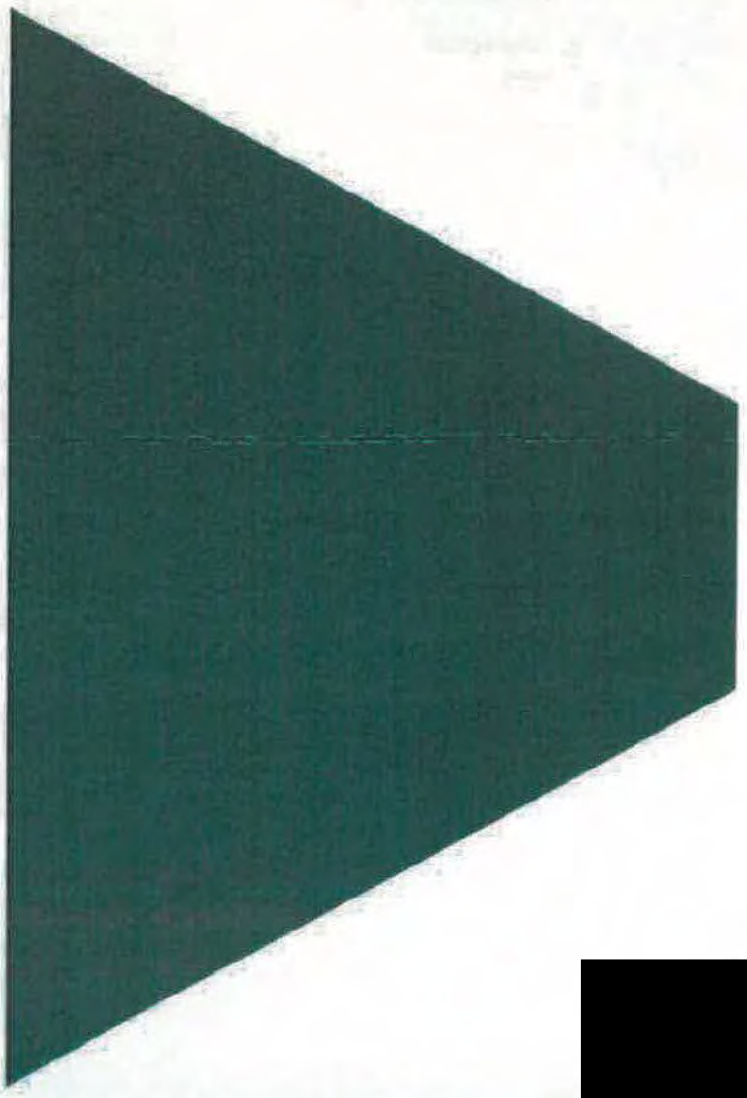
University Registrar

[redacted]

19830667053564G03661

[redacted]

SCHEDULE 12 :
Engineering Management and Financial Bridging Specialist



[redacted]

[redacted]

Civil Engineer

Summary

[redacted]

Qualifications

[redacted]

Relevant experience

Principal consulting services and feasibility and concept design for the Paarden Eiland Desalination Plant, South Africa, Western Cape, City of Cape Town, 06/2024 - 09/2026, Engineering Manager

The project, which is currently in feasibility phase design phase, aims to abstract and treat seawater to drinking water for Cape Town's domestic water supply. The project involves marine works for abstraction and brine disposal, pump stations, conveyance pipelines and a reverse osmosis plant, for a treatment capacity of 70 ML/d of drinking water. The process includes dissolved air flotation, gravity filtration, media filtration, reverse osmosis, remineralisation and chlorine disinfection. Zutari is appointed for the full range of consulting services up to procurement stage. Responsible for management of all engineering activities and project lead from Aug 2024 to Jun 2025.

Design review and construction supervision consultant of the Lesotho Lowlands Water Development Project Phase II Works (LLWDP II)

The project requires the design review for the 75 ML/d water treatment works, intake works including the raw water pump station and pipeline and the high lift pump station supplying two clear water pipelines and reservoirs. The project involved the assessment for the adequacy, accessibility and suitability of the area proposed and to identify possible environmental and social impacts arising from constructing the intake, water works and associated works at the current proposed site. The scope also included the review of the available hydrological and water quality data and arrange updates if required. A request for proposal was prepared for design build contract up to 25 ML/d capacity including providing assistance in the procurement of the design build contractor. Responsible for management of engineering activities and design for the river intake works and water treatment plant. Also responsible for managing the compilation of the bid documentation for the project and provide technical assistance in the procurement process.

Construction of a reuse plant at the Faure water scheme, South Africa, Western Cape, City of Cape Town, 10/2017 - 12/2025, Lead Design Engineer

The project involved the construction of a 70 Ml/d direct potable reuse plant to treat water from the Zandvliet wastewater treatment works (WWTW) to a standard suitable for feeding into the Faure water treatment works (WTW). The process includes tertiary filtration, ozonisation, biological activated carbon filtration, granular activated carbon filtration, ultra-filtration and ultra-violet (UV) advanced oxidation processes (AOP). Zutari was appointed for the feasibility planning, concept and detailed design, procurement of construction contracts, contract administration and supervision.

[redacted]

Responsible for complete design of the bulk pipelines feeding from Zandvliet WWTW to the new Faure reuse plant. Duties included dealing with authorities and landowners, tender documentation, and project management. Also responsible for the design of the Faure reuse pre-treatment works, which included two 5 Ml reservoirs, biological filters, a 1.7 MW pump station with three 100-200 kW smaller lifting stations, and ancillary civil works.

Mozambique EIB Project Preparation and Implementation Support for Climate Resilient Framework Loan, Mozambique, Europaan Investment Bank, Fundo de Investimento e Património do Abastecimento de Água (FIPAG), 03/2022 - 03/2025

The aim of the project is to assist Mozambican Water Authorities FIPAG and AIAS reconstruct water infrastructure in various towns damaged by cyclones in 2019. There are 7 sub-projects with varying scope of work (water treatment, conveyance, stormwater, etc). Work typically includes a status quo investigation, followed by a feasibility assessment leading to detailed design and finally procurement and implementation. Zutari was appointed with COWI in a joint venture to provide consultancy services.

The sub-project involves the design of a new 15 ML/d water treatment module at the Mutua water treatment plant, that is expandable to 30 ML/d, to provide additional treatment capacity to the Mutua plant, located in Beira. Responsible for project and engineering management for the 15 ML/d water treatment plant to deliver a detailed design and tender documentation. Also responsible for varies status quo inspections and analysis for water treatment plants in provinces of Sofala, Zambezia and Manica.

Upgrading of Zandvliet wastewater treatment works (WWTW), South Africa, Western Cape, City of Cape Town, 03/2014 - 12/2024, Project and Design Engineer/Resident Site Agent

The project included the refurbishment of the Blackheath-Macassar (Black-Mac) bulk sewers, as a lack of maintenance and overloading rendered the sewers in a state of disrepair, the screening station defunct, and the pump station barely operational. The appointment entailed assessing and designing equipment and infrastructure for the capacity extension and refurbishment of Zandvliet wastewater treatment works (WWTW) as part of the refurbishment of the sewers. This included constructing a new membrane bioreactor (MBR) plant, primary settling tanks (PSTs) and sludge dewatering facilities. The existing two 27 Ml/d conventional activated sludge (AS) plants and the 18 Ml/d MBR plant were refurbished with new mechanical equipment. A new administration building was constructed to house an upgraded supervisory control and data acquisition (SCADA) system. Responsible for the detailed design of the pipelines and associated structures for the sewer pipeline. Also responsible for the contract management of the screening station and the Macassar sewer pump station.

Design and supervision of boreholes, water treatment works (WTW) and pump stations in Tete, Mozambique, Tete, Fundo de Investimento e Património do Abastecimento de Água (FIPAG), 01/2021 - 06/2024, WTP Lead Design Engineer

The project involves the design and supervision of the rehabilitation and construction of electro-mechanical equipment of boreholes, a water treatment plant and pumping stations in Tete. Zutari was appointed to provide consultancy services to improve the water supply in two towns in north of Mozambique, namely, Tete and Moatize. The services comprise on improving the performance, sustainability and coverage of water supply services in the five cities of Beira, Dondo, Tete, Moatize and Pemba; and strengthening institutional and regulatory capacity for water supply services in the Northern, Central and Southern Regions of Mozambique. Responsible for management of engineering activities for the 30 Ml/d water treatment plant as lead design engineer. Also responsible for managing and coordinating the compilation of the tender documentation and drafting of the civil and mechanical specifications for the project.

Upgrading of Moorreesburg wastewater treatment works (WWTW), Western Cape Province, South Africa, Swartland Local Municipality, 09/2013 - 06/2025, Project Leader

The project involves the upgrading of the Moorreesburg wastewater treatment works (WWTW), which hed a hydraulic treatment capacity of 1.5 Ml/d. Zutari was eppointed to provide professional engineering consultancy services, including a status quo assessment and planning study to make projections regarding future flows, developing solutions, and using Zutari's steady state activated sludge models to determine key process parameters. The assessment found that major civil structures might fail within the next eight to ten years, which has resulted in the consideretion of numerous operational, refurbishment and upgrade options at a conceptual level and the evaluation of these in terms of technical and economic prefeasibility criteria. Responsible for leading the project team and the different disciplines in producing a combined tender document for the civil and mechanical works of the project, for evaluating the tenders and recommending the preferred tenderers. Once contractors were appointed, responsible for managing the construction project and the site supervision team as well as the various disciplines of design engineers in the office. Responsible for Engineer duties for both civil and mechanical and electrical construction contracts from year 2022 to 2024.

Upgrading of bulk water supply to Fort Beaufort, South Africa, Eastern Cape, Amathole District Municipality (ADM), 10/2013 - 12/2024, Project and Design Engineer

After the completion of the bucket eradication programme (BEP), Fort Beaufort's water demend increased significantly leading to the water supply becoming strained. Zutari was appointed to investigate upgreda options, manage the implementetion process and oversee the construction of water supply infrastructure. A feasibility study determined the optimum arrangement for upgrading the bulk water infrastructure was to augment the current supply

arrangement, which comprised abstracting water from the Kat River, pumping it to the water treatment works (WTW) and then to the command reservoir site, from where it's distributed to the various suburbs of Fort Beaufort. Responsible for the design of the reservoir bulk earthworks, site development, and valve chambers, as well as for contract documentation and administration.

Coffee Bay regional water supply scheme, Phases 4 and 5, South Africa, Eastern Cape, OR Tambo District Municipality (ORTDM), 06/2018 - 12/2024, Project and Design Engineer

The project included providing bulk water supply to the towns of Coffee Bay, Mapuzi and Hole in the Wall, as well as certain villages in the Nyandeni municipal area, as part of the Coffee Bay regional water supply scheme. Zutari was engaged to provide engineering services for Phases 4 and 5, which comprised the design and implementation of regional bulk water infrastructures such as additional water treatment works (WTW), either at the existing Coffee Bay WTW or at an identified alternate site; bulk gravity or rising pipelines to convey raw and treated water; clear water storage reservoirs; pump stations to convey water; and raw water storage facilities, the need of which will be based on the reliability of raw water sources. Responsible for the complete design and project management of 10 Ml/d WTW as well as for the overall technical coordination of engineering disciplines i.e. bulk pipelines and pump stations.

Upgrading of the Idas Valley water treatment works (WTW), South Africa, Western Cape, Stellenbosch Local Municipality, 02/2019 - 12/2022, Project Leader/Design Engineer

The project entailed the detailed design for the upgrading of the Idas Valley water treatment works (WTW) to accommodate a 30 Ml/d throughput capacity. The scope also included the preparation of panel tenders for the upgrading of various gaseous chlorination facilities and a telemetry system for the Stellenbosch Local Municipality. Responsible for project management, client liaison, and leading the process and civil design.

Extensions to Zandvliet wastewater treatment works (WWTW) reclamation plant, Phase 1, South Africa, Western Cape, City of Cape Town, 09/2017 - 06/2022, Lead Design Engineer

As part of the planning for day zero, the City of Cape Town initiated the installation of a 10 Ml/d advanced wastewater reclamation plant at the Zandvliet wastewater treatment works (WWTW) to treat effluent to a potable quality. The project consists of extensions to the existing WWTW to upgrade the capacity from 72 Ml/d to 90 Ml/d, including the construction of a modular reverse osmosis (RO) plant. The treated water is pumped from the WWTW to the bulk water main. The process consists of coagulation, sedimentation, media filtration, ultrafiltration, RO, and ultraviolet (UV) advanced oxidation and disinfection. Responsible for the complete design and project management of the rising main and for the coordination of the rising main package into large scheme.

Design and implementation of a reservoir in Pringle Bay, South Africa, Western Cape, Overstrand Local Municipality, 07/2017 - 02/2021, Design Engineer

The project entailed the design and implementation of a semi-submerged 1.5 Ml reinforced concrete (RC) reservoir in Pringle Bay adjacent to the existing reservoir on the slope of a hill, and bulk earthworks were necessary to position the reservoir at the required level. Zutari was appointed for the environmental screening, applicability checklist and basic assessment input; rendering the geotechnical investigation and report, and for the preliminary and detailed design. Zutari's services also included tender documentation and drawings, the procurement process, contract administration during the construction stage, and construction monitoring. Other works carried out included connecting pipework from the new reservoir to the existing mains, replacing existing mains, upgrading the gravel access road to the reservoirs, and traffic accommodation and maintenance during construction. Responsible for the design of the hydraulic scheme and associated reservoir outlet chambers, and for tender documentation.

Desalination feasibility study for Umgeni Water, South Africa, KwaZulu-Natal, Umgeni Water, 12/2011 - 06/2017, Design Engineer

Conventional water resource development options in South Africa are increasingly more difficult to implement. The Department of Water and Sanitation (DWS) and various water service providers are investigating alternative sources of supply, one of which is sea water desalination. Zutari conducted a desalination feasibility study for water utility Umgeni Water in the eThekwini municipal region. The study included an investigation into the feasibility of a 150 Ml/d plant at two candidate sites, namely Lovu and Tongaat. Both sites were inspected and initial assessments undertaken of sea water quality, geotechnical conditions, required infrastructure, pipeline alignments and pump station locations, marine biology, botanical consideretions and estuarine impacts. Responsible for the conceptual design and cost analysis of the onshore seawater pump station and pipelines, including the potable bulk infrastructure such as bulk pipelines, pump station and reservoirs.

Feasibility and conceptual design of a 60 Ml/d desalination plant in the Nelson Mandela Bay area, South Africa, Eastern Cape, Nelson Mandela Bay Metropolitan Municipality (NMBMM), 03/2012 - 03/2017, Design Engineer

The project entailed investigating the suitability of a site in the Nelson Mandela Bay area to accommodate a 60 Ml/d plant and to ensure full integration into the bulk infrastructure on the western side of the site. The project was implemented in two phases; the first phase involved initial studies, site investigations and assessments, while the second phase involved a feasibility study and the preliminary design. Responsible for the conceptual design

[redacted]

and cost analysis of the onshore seawater pump station, the brine water hydro-electric plant, and pipelines, including the potable bulk infrastructure such as 1 000 DN bulk pipelines, pump stations able to convey up to 2 m³/s of water, and reservoirs.

Design of treated effluent reticulation network to end-users for the City of Cape Town, South Africa, Western Cape, City of Cape Town, 09/2014 - 11/2016, Design Engineer

The City of Cape Town is promoting the use of treated effluent for non-potable purposes and constructed treated effluent reticulation networks from their major wastewater treatment works (WWTWs) to supply potential end users. Zutari was involved in the design of a treated effluent reticulation network as well as provided project management, site supervision and contract administration. Responsible for the network design and analysis, and cost analysis to determine the feasibility of selling treated effluent to users.

Upgrading of Riebeek Kasteel wastewater treatment works (WWTW), South Africa, Western Cape, Swartland Local Municipality, 09/2007 - 09/2016, Design Engineer

The project entailed the upgrading of three separate wastewater treatment works (WWTWs) in the Riebeek Valley, namely Riebeek West, Riebeek Kasteel and Koringberg. This involved re-routing the sewage from PPC and Riebeek West to Riebeek-Kasteel, and upgrading the existing WWTW in Riebeek-Kasteel to a capacity of 2 Ml/d average daily wastewater flows (ADWF). Zutari's scope of work entailed environmental processes, detailed design and construction monitoring as well as surveys, geotechnical inspections, analysis of sewer samples and preparation of applications for funding, licensing agreements, architectural and landscaping input. Responsible for the design of the gravity and rising main, and the pump station, and for tender documentation and contract administration.

Feasibility study for the Hitachi remix water system, Phase 0, South Africa, KwaZulu-Natal, Hitachi, 07/2015 - 09/2016, Design Engineer

Hitachi received funding from Bituminous Coal Liquefaction Technology (NEDOL) to undertake the feasibility study (Phase 0) for the implementation of a remix water system to supply potable water to the eThekwini Metropolitan Municipality to augment its capacity. The study covered a demonstration plant with a capacity of 6.25 Ml/d and a full-scale plant with a capacity of 100 Ml/day. Zutari was appointed to carry out the preliminary design of remix water system. Responsible for the conceptual design and cost anatysis of the seawater and brine hydraulics, onshore seawater pump station, and the pipelines.

Coastal engineering services for the Sumaysimah shoreline development, Qatar, Doha, Northpoint Architects, 10/2011 - 12/2013, Design Engineer

Zutari was appointed as part of a marine and coastal consulting team to develop master plan proposals for the Sumaysimah shoreline development project, a development planned along a 16 km stretch of coastline to the south of the town of Al Khor. A marine site appreciation study of the Sumaysimah marine environment, detailing the site's bathymetry, water levels, wave climate, wind data, currents, climate, geology and general site development constraints was performed and issued. Responsible for the design of water and sewer infrastructure and bulk earthworks concerning land and marine development.

Bulk water augmentation feasibility study for Makhado West, South Africa, Limpopo, Department of Environmental Affairs (DEA), 10/2012 - 02/2013, Design Engineer

The Department of Environmental Affairs (DEA) funded the development planning of regional bulk water infrastructure to address the water backlogs experienced in certain areas of the Vhembe District Municipal area, including the Elim/Vleyfontein, Makhado and Sinthumule/Kutama areas. The project entailed a bulk water augmentation feasibility study and the development of an implementation plan to supply the intended areas with water from the Valdezia Reservoir, which obtains water from the Nandoni Dam. Zutari was appointed to conduct the bulk water augmentation feasibility study for Makhado West. Responsible for the design of the reservoir and pump station civil works, as well as the pipeline alignment, and the detailed design of the steel pipeline and associated structures such as air, scour and non-return valves.

Certification

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.

[redacted]

Signature of Staff Member

05 August 2025
Date

[redacted]

[redacted]

[redacted]

This certificate is not authentic, unless printed on US watermark paper

IHE DELFT

Institute for Water Education under the auspices of UNESCO

It is hereby certified that

[redacted]

has this day been awarded the

GRADUATE PROFESSIONAL DIPLOMA

in Water and Wastewater Treatment Technology

[redacted]

[redacted]

Engineering Council of South Africa

[redacted]

is registered as *Professional Engineer*

in terms of the Engineering Profession Act, 2000
(Act No. 46 of 2000)

Date *13 September 2016*

Registration Number *20160531*

[redacted]

President

[redacted]

Chief Executive Officer

[redacted]

ZUTARI

[redacted]

zutari.com

[redacted]

8 August 2025

Cape Town

8001

Dear Sir/Madam

TENDER NO. 308C/2024/25 TERM TENDER FOR PROVISION OF MULTIDISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

Please find enclosed our tender for the above-mentioned project. This opportunity aligns perfectly with our expertise and commitment to delivering high-quality results.

Our submission is fully compliant with the requirements outlined in the tender documentation. We have meticulously reviewed the compliance criteria and ensured that our proposal meets all specified standards. Additionally, we acknowledge the receipt of Addenda 1, 2, 3 and 4, which have been incorporated into our submission.

Our team comprises experienced professionals who are committed to delivering excellence and innovation. We are able to resource most of the rate categories in-house with only limited resources to be outsourced and our teams have extensive experience working together on similar projects.

As the incumbent professional services provider on the Bulk Water panel for Contract 194C/2020/21 Zutari has been supporting the City on all of their water reuse initiatives. We have developed deep experiance through this work and significant institutional knowledge on the projects which will be of immediate benefit to the City as we will be able to execute on this appointment immediately, without an extensive on-boarding end hand-over process.

Yours faithfully

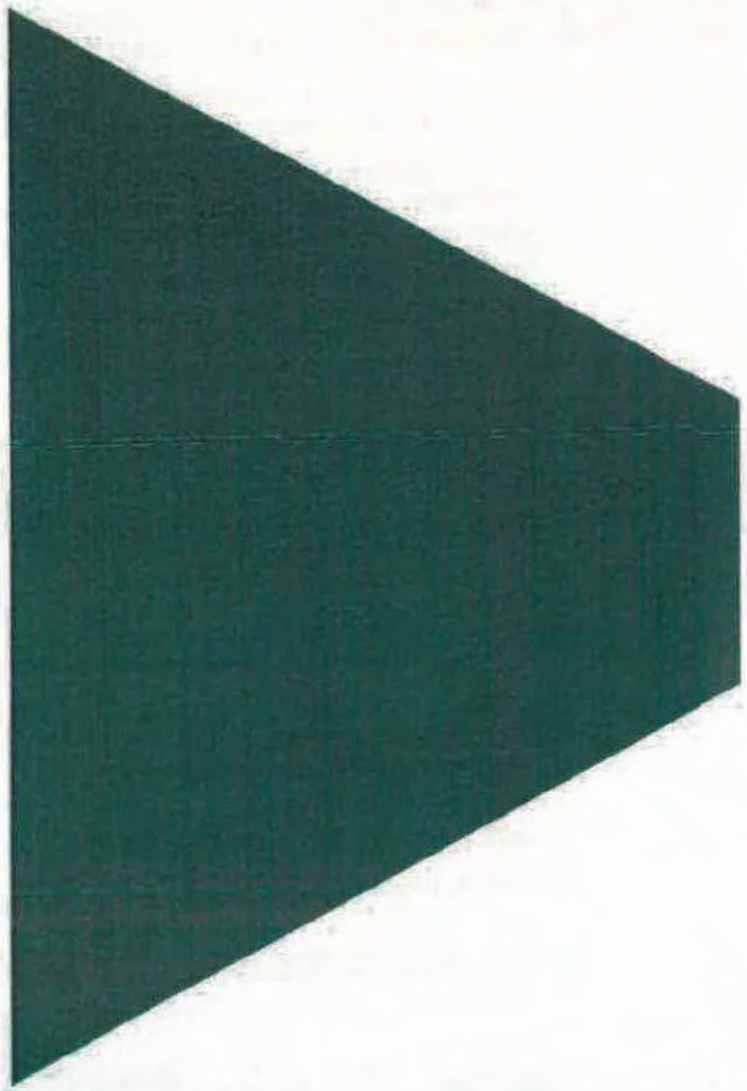
[redacted]

Technical Director: Water Africa

[redacted]

[redacted]

SCHEDULE 12 :
Legal Advisor



[redacted]

AMBER PUBLIC SECTOR CONSULTING (PTY) LTD

[redacted]

23 July 2025

DIRECTOR: WATER AND SANITATION

[redacted]

Attention: Director: Water and Sanitation

Dear Sir/Madam

LETTER OF ASSOCIATION

PROJECT - Tender No: 308C/2024/25 Term tender for provision of multi-disciplinary professional services in respect of water reuse projects

We, Amber Public Secyor Consulting (Pty) Ltd, hereby confirm our willingness and agreement to entering into a sub-consultancy agreement with Zutari (Pty) Ltd for the above-mentioned project, should the tender be awarded to them.

Yours faithfully

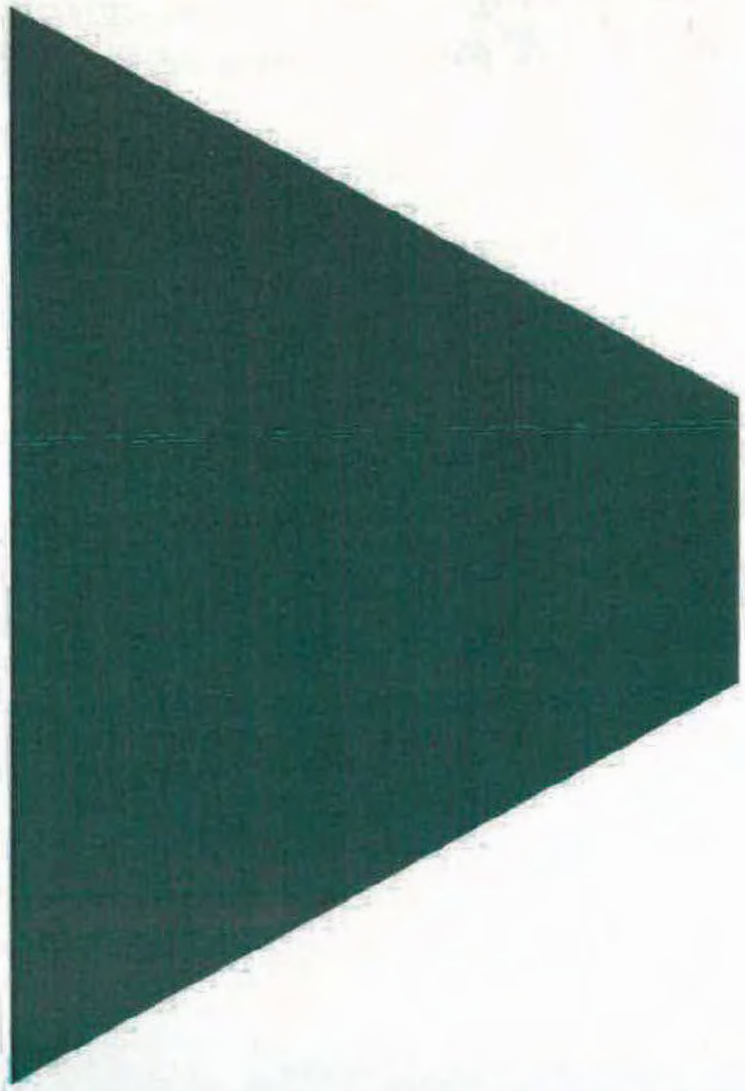
[redacted]

DIRECTOR: AMBER PUBLIC SECTOR CONSULTING (PTY) LTD

Director: [redacted]

[redacted]

SCHEDULE 12 :
B-BBEE and Socio-Economic Specialist



BLACK SWAN
empowerment

24 July 2025

DIRECTOR: WATER AND SANITATION
CITY OF CAPE TOWN
[redacted]

Attention: Director: Water and Sanitation

Dear Sir/Madam

LETTER OF ASSOCIATION

PROJECT - Tender No: 308C/2024/25 Term tender for provision of multi-disciplinary professional services in respect of water reuse projects

We, Black Swan Empowerment CC, hereby confirm our willingness and agreement to entering into a sub-consultancy agreement with Zutari (Pty) Ltd for the above-mentioned project, should the tender be awarded to them.

Yours faithfully

[redacted]

Managing Member

[redacted]

[redacted]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

FINANCE
SUPPLY CHAIN MANAGEMENT

Tender Distribution Office

E: [redacted]

08 July 2025

NOTICE TO TENDERERS NO: 1

TENDER NUMBER: 308C/2024/25

DESCRIPTION: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

ORIGINAL CLOSING DATE OF TENDER: 8 August 2025 at 10:00am

BOX NUMBER: 234

Dear Sir/Madam

In terms of Clause **C.3.2: Issue Addenda** in the Tender Data, the City of Cape Town may if necessary, issue addenda in writing that may amend or amplify the tender documents to each tenderer during the period from the date the tender documents are available until one week before the tender closing time stated in the Tender Data. The Employer reserves its rights to issue addenda **less than one week before the tender closing time in exceptional circumstances.**

Your attention is specifically drawn to the amendments, which are to be made to the tender document for the above in terms of this addendum, which is issued in terms of Clause 3.2 of the tender document.

This notice to tenderers is an integral part of the Tender. This notice/addendum is to be signed by the tenderer and attached and/or included to the tender document submission and recorded on Schedule 22: Record of Addenda to tender documents.

This notice contains the following:

1) Minutes of the clarification meeting and
2) Presentation presented at the clarification meeting.

TENDERERS ARE THEREFORE REQUESTED TO:
1. Record receipt of this Notice on Schedule 22: Record of Addenda to Tender Documents.
2. Tenderers must sign and return this Notice (append to the relevant returnable schedule) together with their completed tender document.

Failure to return a signed copy of the Addendum may result in the Tender being declared Non-Responsive.

Yours faithfully,

p.p. [redacted]

For: Director: Supply Chain Management

[redacted]

ACKNOWLEDGEMENT OF RECEIPT FOR AND ON BEHALF OF THE TENDERER: TENDER NO 308C/2024/25

At CENTURY CITY on this 09 day of JULY 2025

Signature: .....

Name of Signa.....

(In ink and capitals)

TENDERER: ZUARI (PTY) LTD

(Name of firm in ink and capital letters.

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

FINANCE
SUPPLY CHAIN MANAGEMENT

Tender Distribution Office

E: [redacted]

17 July 2025

NOTICE TO TENDERERS NO: 2

TENDER NUMBER: 308C/2024/25

TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

ORIGINAL CLOSING DATE OF TENDER: 8 August 2025 at 10:00am

BOX NUMBER: 234

Dear Sir/Madam

In terms of Clause **C.3.2: Issue Addenda** in the Tender Data, the City of Cape Town may if necessary, issue addenda in writing that may amend or amplify the tender documents to each tenderer during the period from the date the tender documents are available until one week before the tender closing time stated in the Tender Data. The Employer reserves its rights to issue addenda **less than one week before the tender closing time in exceptional circumstances.**

Your attention is specifically drawn to the amendments, which are to be made to the tender document for the above in terms of this addendum, which is issued in terms of Clause 3.2 of the tender document.

This notice to tenderers is an integral part of the Tender. This notice/addendum is to be signed by the tenderer and attached and/or included to the tender document submission and recorded on Schedule 22: Record of Addenda to tender documents.

This notice contains the following:

1) Responses to clarification questions received after Notice to Tenderers No. 1.
2) Amendments to pages in the table below. The changes are highlighted in italics and magenta coloured text. See Annexure A for the replacement pages.

CURRENT PAGE IN TENDER DOCUMENT	REPLACEMENT	CHANGE
PART T1: TENDER PROCEDURES		
10	10(R)	Removed hydraulic engineering from Key Personnel
12	12(R)	ISO 9001 certification changed to latest standard ISO 9001:2015
14	14(R)	ISO 9001 certification changed to latest standard ISO 9001:2015
16	16(R)	Functionality Scoring for chemical engineer added
PART C1: CONTRACT AGREEMENTS & CONTRACT DATA		
50	50(R)	Local Office defined in Clause
PART C2: PRICING DATA		
76	76(R)	Coastal Engineering added to schedule of rates specifications
78	78(R)	Coastal Engineering items added to schedule of rates
83	83(R)	Coastal Engineering items added to schedule of rates
88	88(R)	Item number changed on Schedule 4
PART C3: SCOPE OF WORK		
106	106(R)	Removed hydraulic engineering from Key Personnel
PART C5: RETURNABLE SCHEDULES		
167	167(R)	Amended Schedule to include signature by tenderer
168	168(R)	Functionality Scoring for chemical engineer added

[redacted]

169	169(R)	Amended Schedule to include signature by tenderer
184	184(R)	ISO 9001 certification changed to latest standard ISO 9001:2015
186	186(R)	ISO 9001 certification changed to latest standard ISO 9001:2015

3) Additional pages added to the tender document. See Annexure B for the additional pages.
   - Page No. 181 (A) – Schedule 12A Cont'd – Local Government Advisor.

Responses to clarification questions received after Notice to Tenderers No. 1.

Requests for clarifications received after Notice to Tenderer No. 1 and which do not require an addendum to the tender documentation, are addressed hereunder for the benefit of all tenderers.

1 Q: Part T1.2 Tender Data, Clause C 2.1.4.2.h, page 10: Can the CCT please considered to include Pr. Eng and Pr. Tech in some of the key personnel criteria (specifically the Electrical and Electronic Engineer experts). If not, can it be considered to change the requirement of the Electrical Engineer from "may not be subcontracted" to "may be subcontracted".

A: The City is obligated to comply with the Identification of Engineering Work Regulations, Government Gazette No. 44333 (IDoEW). These regulations stipulate that only individuals who are professionally registered with ECSA may perform or take responsibility for identified engineering work within their respective disciplines.

Water Reuse projects are classified as complex engineering undertakings. In accordance with the IDoEW, such complexity necessitates that the engineering work be executed and overseen by Professional Engineers (Pr Eng). Therefore, the requirement for Pr Eng under the Key Personnel for the core engineering disciplines.

2 Q: Part T1.2 Tender Data, Clause C 2.1.4.2.r, page no.12: Can the CCT please confirm if a master's degree in engineering management considered equivalent to finance, commerce, economics or actuarial science?

A: No a master's degree in engineering management is not equivalent to finance, commerce, economics or actuarial science.

3 Q: Part T1.2 Tender Data, Clause C 2.1.4.2.r, page no.12: Can the CCT please confirm if an MBA is considered equivalent to finance, commerce, economics or actuarial science?

A: An MBA can be considered, however it depends on the context and specific focus of the MBA programme.

4 Q: Part T1.2 Tender Data, Clause 3.11 Evaluation of Tender offers, page no. 24: It is understood that CCT will be simulating Work Projects to obtain a tender value without this "simulated" hours being know to the public prior to the closing of a tender. It is requested that these hours be made available to all tenders prior to closure of the tendering period.

A: The City does not disclose the simulated Works Project to the tenderers. The simulated Works Project is provided to SCM before tender closing and cannot be changed after tender closing. It will be used purely for evaluation purposes and therefore encourages bidders to quote their best price at all times.

5 Q: Part C1.2 Contract Data, Clause 4.8 Procedure for the allocation of Works Projects, page no. 54: Can it be accepted that 3 bidders will be appointed as 1) Winner, 2) Alternative Supplier and 3) Standby. Will the results of all three awards be made available to all parties who tendered?

A: *Yes, the rates schedule and ranking will be provided once the tender is awarded.*

6 Q: Part C1.2 Contract Date, Procedure for the allocation of works projects, page no. 60: Can the CCT please advise what the implication will be should the appointed bidder not be able to What happens if the works brief is rejected?

[redacted]

A: If the "Winner" rejects the works project then the process will follow with the Alternative Supplier. See step 9 on page 61

7 Q: Contract Agreements & Contract Data: Clause 3.12.1 defines penalties for not adhering to timeframes. In addition, there is also Clause 3.12.3 that covers additional penalties, but this clause does not define an amount for "additional penalties or fines". Please can the limit of these additional penalties be defined.

A: The fines are not defined in the Clause, as it is defined elsewhere (i.e. Preferential Schedule)

8 Q: Contract Agreements & Contract Data: Clause 5.5 l) states that "Service Provider shall obtain the Employer's prior approval in writing before suspending the progress of the works in terms of the relevant Conditions of Contract". Please confirm that the context of this statement is strictly in reference to the administration of construction works and not in relation to the delivery of professional services as this would otherwise be in conflict with Clause 8.4.3. of the Standard Professional Services Contract.

A: Yes, Clause 5.5 l) and m) refers to the administration of construction works.

9 Q: Contract Agreements & Contract Data: The Professional Services Contract does not provide any provision for the PSP to suspend performance of the works, only to terminate if for instance there is non-payment by the Employer. Would the City consider including the following suspension clause in the Contract Data "8.5.3 The Service Provider may suspend performance of the whole or part of the Services if it has not received payment from the Employer in respect of an invoice or part thereof within the agreed payment period (provided the amount not by that time been contested in writing)."

A: This will be a material change as it is not stipulated in the CIDB Standard Professional Services Contract and will require additional investigations and approvals in terms of risk to the City.
As reassurance, City cannot award a tender without an approved budget and thus is committed to paying for the work rendered by the Service Provider in terms of the Contract.

10 Q: Work Experience of Tenderer (Schedule 11 of Part T2.2): May we kindly request clarification on whether contracts executed under the FIDIC Yellow Book would meet the requirements of Criteria 4?
Criteria 4 states the following requirement: Contracts management of either, design & build contract (D&B), design, build & operate (DOB) contracts or public-private partnership (PPP) contracts with a total cost of R100 million and/or more.

Our experience is that while Design-Build (D&B) Contracts can be executed under a FIDIC yellow book, Design, Build & Operate (DBO), as well as PPP Contracts are normally executed using a FIDIC Gold Book or a DIC Silver book Contract. Such projects are, however, less common within the public water
sector. We would therefore appreciate confirmation that the management of Contracts executed under the FIDIC Yellow Book would be considered acceptable for meeting the requirements of Criteria 4.

A: Yes, FIDIC Yellow Book or any other equivalent Design-Build contract may be used for Criterie 4.

Q: Key Personnel: C.2 Tenderer's Obligations states that the key personnel listed in Section C.2.1.4.2 "must be attached to the Schedule 12 titled Key Personnel, Part C5.2: Returnable Schedules and must be clearly indicative of a valid agreement between the tendering entity and the sub-consultant formalising the undertaking and the name(s) of the key personnel proposed to execute the works."
This section includes n) Local Government Advisor however Schedule 12A does not include a sheet for experience of Local Government Advisor.

Please confirm whether to include this experience in Schedule 12 or if we simply include the personnel in the Schedule of Rates.

[redacted]

A: Schedule 12A for the Local Government Advisor has been added – see page 181(A)

Q: Schedule of Rates Specifications: Some category descriptions state that personnel must be a registered professional with a stated professional body, "Or other proven equivalent registration". This has resulted in frustrations previously where equivalent project management qualifications, for example, were not recognised.

Please can a list of alternative approved registrations be provided, or a better definition of how "other proven equivalent registrations" will be evaluated.

A: Other proven equivalent registrations will be evaluated based on comparing the criteria of the "equivalent registration" with the criteria for PrCPM or PMP.

Q: Schedule of Rates: Regarding both schedules, ECSA Stages 1 to 4 as well as ECSA Stages 5 to 6, please clarify the inclusion of "Chemical Engineering Services" under Item No. 1.4. and 1.8, and 2.4 and 2.8, respectively.

We assume this is an error. Please confirm if tenderers should price all Chemical Engineering Services sections, or if we can state "Not Applicable" for the second instances of these rates, i.e. for items 1.8. and 2.8.

A: This is an error, see replacement pages.

Q: C2.1 Pricing Instructions: We have not been able to identify a rate category that can be used to cover typical project control functions, such as general project support, document control and cost control.

These are critical project resources for the administration of large projects and the associated staff typically do not have engineering, technologist or technician qualifications.

Can the description for Item B5.4. be modified to allow for suitable non-technical resources to be used for this project management role.

A: See Clause 5 of Pricing Assumptions. "....The rates, sums and prices rates shall include for all payments to administrative, clerical and secretarial staff used to support professional and technical staff...."
C3.2 Framework Scope: Key personnel will be expected to operate out of the local office. Please provide clarity on what constitutes a "Local Office" as this is not clearly defined in the document.

A: The local office is an office within the Cape Metropolitan Area. See replacement pages

TENDERERS ARE THEREFORE REQUESTED TO:
1. Record receipt of this Notice on Schedule 22: Record of Addenda to Tender Documents.
2. Tenderers must sign and return this Notice (append to the relevant returnable schedule) together with their completed tender document.

Failure to return a signed copy of the Addendum may result in the Tender being declared Non-Responsive.

Yours faithfully,

p.p. [redacted]

For: Director: Supply Chain Management

[redacted]

ACKNOWLEDGEMENT OF RECEIPT FOR AND ON BEHALF OF THE TENDERER: TENDER NO 308C/2024/25

At CAPE TOWN on this 17th day of JULY 2025

Signature: [redacted]

Name of Signatory: [redacted]

(In ink and capitals)

TENDERER: ZUTARI (PTY) LTD

(Name of firm in ink and capital letters.

[redacted]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

FINANCE
SUPPLY CHAIN MANAGEMENT

Tender Distribution Office

E[redacted]

30 July 2025

NOTICE TO TENDERERS NO: 3

TENDER NUMBER: 308C/2024/25

DESCRIPTION: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

ORIGINAL CLOSING DATE OF TENDER: 8 August 2025 at 10:00am

BOX NUMBER:234

Dear Sir/Madam

In terms of Clause **C.3.2: Issue Addenda** in the Tender Data, the City of Cape Town may if necessary, issue addenda in writing that may amend or amplify the tender documents to each tenderer during the period from the date the tender documents are available until one week before the tender closing time stated in the Tender Data. The Employer reserves its rights to issue addenda **less than one week before the tender closing time in exceptional circumstances.**

Your attention is specifically drawn to the amendments, which are to be made to the tender document for the above in terms of this addendum, which is issued in terms of Clause 3.2 of the tender document.

This notice to tenderers is an integral part of the Tender. This notice/addendum is to be signed by the tenderer and attached and/or included to the tender document submission and recorded on Schedule 22: Record of Addenda to tender documents.

This notice contains the following:

1) Responses to clarification questions received after Notice to Tenderers No. 2.

Requests for clarifications received after Notice to Tenderer No. 2 and which don't require an addendum to the tender documentation, are addressed hereunder for the benefit of all tenderers.

1	Q: Clause C2.1.4.2(f), Page 10: May the same resource be assigned to fulfil both the role of Chemical Engineer (f) and Process Design Engineer – Chemical Engineer (b.ii)? *A: No, different individuals must be identified for each of the key personnel. The Process engineer can either be a civil engineer OR a chemical engineer as specified in Clause C2.1.4.2(f) i and ii respectively.*
2	Q: Clause C2.1.4.2(q), Page 11: Will the City of Cape Town permit the allocation of two separate resources for this item—one serving as the B-BBEE Specialist and another as the Socio-Economic Specialist? *A: No.*
3	Q: Please may we clarify whether it is possible for a Sub-consultant to offer its services to multiple Lead Consultants on a non-exclusive basis? *A: Any sub-consultant (even key personnel) can provide their services for multiple lead consultants. For the key personnel requirement, the lead consultant must submit proof that the sub-consultant will undertake the work.*

[redacted]

TENDERERS ARE THEREFORE REQUESTED TO:

1. Record receipt of this Notice on Schedule 22: Record of Addenda to Tender Documents.
2. Tenderers must sign and return this Notice (append to the relevant returnable schedule) together with their completed tender document.

Failure to return a signed copy of the Addendum may result in the Tender being declared Non-Responsive.

Yours faithfully,

p.p [redacted]

For: Director: Supply Chain Management

ACKNOWLEDGEMENT OF RECEIPT FOR AND ON BEHALF OF THE TENDERER: TENDER NO 308C/2024/25

At CAPE TOWN on this 30 day of JULY 2025

Signature: [redacted]

Name of Sig[redacted]
(In ink and capitals)

TENDERER: ZUTARI (PTY) LTD
(Name of firm in ink and capital letters.

[redacted]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

FINANCE
SUPPLY CHAIN MANAGEMENT

Tender Distribution Office

E: scm.tenders7@capetown.gov.za

5 August 2025

NOTICE TO TENDERERS NO: 4

TENDER NUMBER: 308C/2024/25

DESCRIPTION: TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

ORIGINAL CLOSING DATE OF TENDER: 8 August 2025 at 10:00am

BOX NUMBER:234

Dear Sir/Madam

In terms of Clause **C.3.2: Issue Addenda** in the Tender Data, the City of Cape Town may if necessary, issue addenda in writing that may amend or amplify the tender documents to each tenderer during the period from the date the tender documents are available until one week before the tender closing time stated in the Tender Data. The Employer reserves its rights to issue addenda **less than one week before the tender closing time in exceptional circumstances.**

Your attention is specifically drawn to the amendments, which are to be made to the tender document for the above in terms of this addendum, which is issued in terms of Clause 3.2 of the tender document.

This notice to tenderers is an integral part of the Tender. This notice/addendum is to be signed by the tenderer and attached and/or included to the tender document submission and recorded on Schedule 22: Record of Addenda to tender documents.

This notice contains the following:

1) Responses to clarification questions received after Notice to Tenderers No. 3
2) Amendments to pages in the table below. The changes are highlighted in italics and magenta coloured text.

CURRENT PAGE IN TENDER DOCUMENT	REPLACEMENT	CHANGE
PART T1: TENDERING PROCEDURES		
10(R)	10(R1)	Amended Clause C2.1.4.2 (a)
PART C1: CONTRACT AGREEMENTS AND CONTRACT DATA		
52	52(R)	Amended CPI Clause 3.16.1 and 3.16.2
PART C2: PRICING DATA		
70	70(R)	Amended schedule of rates specifications, B1
71	71(R)	Amended schedule of rates specifications, B5.4
PART C3: SCOPE OF WORK		
105	105(R)	Amended Clause C3.2.15 a)



Responses to clarification questions received after Notice to Tenderers No. 3

Requests for clarifications received after Notice to Tenderer No. 3 and which do not require an addendum to the tender documentation, are addressed hereunder for the benefit of all tenderers.

1	Q: The description for the Infrastructure Asset Management Specialist (B12.6) states that they need to have "a Bachelor's degree (NQL Lever 7 or Higher) in Engineering and Finance, Commerce, Economics, or Actuarial Science". This statement is ambiguous. Kindly clarify whether the Infrastructure Asset Management Specialist (B12.6)needs to have: - a degree in Engineering and Finance, or a degree in Commerce, Economics, or Actuarial Science; or - a degree in Engineering and a degree in Finance, or a degree in Engineering and a degree in Commerce, or a degree in Engineering and a degree in Economics, or a degree in Engineering and a degree in Actuarial Science. *A: Clause 2.1.4.2 (r) has reference. The Qualification ("...a Bachelor's degree (NQL Lever 7 or Higher) in Engineering and Finance, Commerce, Economics, or Actuarial Science.") refers as follows:* - *A Bachelor's degree (NQL Lever 7 or Higher) in Engineering and a Bachelor's degree (NQL Lever 7 or Higher) in Finance* ***OR*** - *A Bachelor's degree (NQL Lever 7 or Higher) in Engineering and a Bachelor's degree (NQL Lever 7 or Higher) in Commerce* ***OR*** - *A Bachelor's degree (NQL Lever 7 or Higher) in Engineering and a Bachelor's degree (NQL Lever 7 or Higher) in Economics* ***OR*** - *A Bachelor's degree (NQL Lever 7 or Higher) in Engineering and a Bachelor's degree (NQL Lever 7 or Higher) in Actuarial Science*
2	Q: Regarding the Engineering Management and Financial Bridging Specialist (B12.7), please confirm if a Bachelor of Commerce obtained in addition to a Bachelor in Engineering would qualify as a post-graduate degree to the original Engineering degree. In addition, please confirm whether it is acceptable that the financial certification was obtained within the last five (5) years. The description states "at least five (5) years verifiable experience", not explicitly five years postgraduate experience. *A: Clause 2.1.4.2 (s) has reference. Yes, it will be acceptable, if the key personnel has a Bachelor of Commerce or any other degree in Finance in addition to their Bachelors in Engineering degree.* *Yes, it will be acceptable if the financial certification was obtained within the last five (5) years. As stated under the notes of Clause 2.1.4.2 3) "Experience will be classified from the date of obtaining a qualification in the relevant field and as per the requirements listed above"*
3	Q: The Energy Optimisation Specialist (B16) must have "at least 10 years' verifiable postgraduate experience in the design of energy optimization systems incorporating new technologies". Kindly clarify what energy optimization systems are defined as in the context of this tender. This could range from energy optimization of buildings (eg. Minimizing energy consumption) to power plant energy optimization (eg. renewable energy modelling). *A: In the context of this tender, energy optimisation system is understood as integrated solutions that aim to reduce energy consumption, improve energy efficiency, and incorporate innovative technologies across various infrastructure types.*
4	Q: We would like to kindly request for an extension for the submission of 308C/2024/25. *A: An extension cannot be granted due to the critical timelines associated with the scope of work outlined in this tender. The current Notice to Tenderers is not expected to have a significant impact on the finalisation of the tender and, therefore, does not warrant a change to the closing date.*

[redacted]

TENDERERS ARE THEREFORE REQUESTED TO:

1. Record receipt of this Notice on Schedule 22: Record of Addenda to Tender Documents.
2. Tenderers must sign and return this Notice (append to the relevant returnable schedule) together with their completed tender document.

Failure to return a signed copy of the Addendum may result in the Tender being declared Non-Responsive.

Yours faithfully,

p.p. [redacted]

For: Director: Supply Chain Management

ACKNOWLEDGEMENT OF RECEIPT FOR AND ON BEHALF OF THE TENDERER: TENDER NO 308C/2024/25

At CENTURY CITY on this 05 day of AUGUST 2025

Signature: [redacted]

Name of Signatory: .....
(In ink and capitals)

TENDERER: ZUTARI (PTY) LTD
(Name of firm in ink and capital letters.

[redacted]

Navrae: [redacted]
Enquiries:

Lêerverwysing: 8/3/1/SC1334/2013 - Aurecon
File Reference:

Datum:
Date: 9 May 2015

Head Office Administration

To Whom it May Concern

Dear Sir / Madam

LETTER OF REFERENCE: AURECON

Herewith it is confirmed that Aurecon was appointed for and has completed the preliminary design, detailed design, and contract administration of the Preekstoel Biofiltration Plant (Boreholes and Water Treatment Works to treat 10Ml/day) at Hermanus for the Overstrand Municipality.

As project manager for this project, I can confirm on behalf of Overstrand Municipality that I am satisfied with the quality of work completed by Aurecon, and with how Aurecon managed the project.

There are no outstanding issues or conflicts between Overstrand Municipality and Aurecon relating to this project.

Yours sincerely

[redacted]

Hanré Blignaut Pr Eng
Acting Director: Infrastructure & Planning

[redacted]

Posbus / PO Box 20
HERMANUS, 7200

Munisipaliteit • U-Mas Ipala • Municipality
OVERSTRAND

Navrae: [redacted]
Enquiries:

Leerverwysing: 8.3.1.SC 091/2007-Aurecon
File Reference:

Datum:
Date: 18 September 2009

Head Office Administration

(Attention: [redacted])

Aurecon SA (Pty.) Ltd.
PO Box 494
CAPE TOWN
8000

Dear Sir

APPOINTMENT AS CONSULTING ENGINEER: UPGRADING OF THE PREEKSTOEL WATER TREATMENT PLANT, HERMANUS

The meeting between your [redacted] and our [redacted] on 11 September 2009 refers.

Aurecon is herewith appointed in terms of Overstrand Municipality's Contract SC091/2007 appointment of Ninham Shand, as consulting engineers for the above project. As discussed at the above meeting, the scope of the project includes the following:

1. An investigation into the specific upgrading requirements to:

    1.1. increase the capacity of the plant (for at least 10 years' growth);
    1.2. solve operational problems (e.g. filters, outlet bulk metering, and telemetric control of reservoir supply from Preekstoel);
    1.3. possibly integrate the treatment of water from the various wellfields with De Bos dam water at the Preekstoel WTW (compare with other options, e.g. various chemical dosing plants at the wellfields, pumping groundwater into De Bos Dam, and pumping groundwater into the De Bos raw water pipeline to Preekstoel);
    1.4. possible re-commissioning of existing pipeline infrastructure to treat water from the Mossel River dams at the Preekstoel WTW.

    A preliminary report on the above items is required for budget purposes by mid November 2009.

[redacted]

Posbus 20
PO Box 20
HERMANUS, 7200

[redacted]

2. Technical reports in the required DWAF format for MIG application purposes, covering the plant capacity upgrade, and the lime dosing equipment upgrade (see 3 below). This is also required by mid November 2009.

3. Design, tender documentation, contract administration and supervision for the upgrading of the existing lime dosing equipment at the Preekstoel WTW. Construction must be completed by 30 June 2010. This item will be partially funded from the MIG programme, and therefore requires urgent completion of a technical report for DWAF.

4. Depending on availability of budget; the design, tender documentation, contract administration and supervision for the overall upgrading of the Preekstoel WTW as determined in section 1 above, in phases.

5. The following must be taken into account:

   5.1. An electrical consultant (Netgroup) has been appointed for the upgrading of the main control panel during the 2009/10 financial year. Communication and co-operation between Aurecon and Netgroup will be of utmost importance to ensure the success of the entire project.

   5.2. Aurecon to ensure that all legislative requirements relevant to the project, including environmental, health and safety, and the construction regulations are adhered to during all stages of the project.

   5.3. Overstrand Municipality will provide information to Aurecon once your information requirements had been received (e.g. water quality reports).

Please indicate Aurecon's acceptance of this appointment in writing, and provide us with a provisional program and cash flow for the 2009/10 financial year. It is proposed that the standard CIDB agreement be signed between Overstrand Municipality and Aurecon for this project, supplemented by the contents of this letter and the conditions of Ninham Shand's appointment in terms of Contract SC 091/2007.

Please do not hesitate to contact us if you have any questions on this assignment.

Yours faithfully

[redacted]

Deputy Director: Water & Transport Services

[redacted]

Posbus 20
PO Box 20
HERMANUS, 7200

SCHEDULE 11A SUPPORTING DOCUMENTS



CERTIFICATE OF PRACTICAL COMPLETION I.t.o. GCC 2015 FOR THE WHOLE OF THE WORKS

ZUTARI
IMPACT. ENGINEERED.

Zutari Site Management System

CERTIFICATE NUMBER	:	**PC / 113732 / 001**
CONTRACT NUMBER	:	**SCM/19-74/C/2018-2019**
CONTRACT DESCRIPTION	:	**COEGA KOP WELLFIELD PHASE 4: BIOFILTRATION PLANT AND BOREHOLE PUMPS**
EMPLOYER	:	**The Nelson Mandela Bay Municipality**
CONTRACTOR	:	**Stefanutti Stocks PCI Consortium**
EMPLOYER'S AGENT	:	**Zutari (Pty) Ltd (formally known as 'Aurecon South Africa (Pty) Ltd')**

DUE COMPLETION DATE (CURRENT)	:	13 June 2023
DATES OF CONTRACTOR'S WRITTEN REQUESTS FOR CPC APPLICABLE TO THE WHOLE OF THE ABOVE CONTRACT WORKS	:	1st request - 01 December 2023 (Rejected in EA Letter 15 Dec 2024) 2nd request - 23 February 2024
DATE ON WHICH AS-BUILT INFO AND O&M MANUALS RECEIVED / APPROVED	:	31 January 2024 / 22 February 2024
DATES OF ALL REQUIRED TESTS	:	Refer commissioning schedules in the O&M Manuals
DATES OF COMPLYING RESULTS OF ALL REQUIRED TESTS RECEIVED	:	Refer commissioning schedules in the O&M Manuals
DATE/S OF FURTHER FORMAL INSPECTIONS	:	N/A. Refer to Certificate of Completion
DATE OF PRACTICAL COMPLETION OF WORKS IN ACCORDANCE WITH CONTRACT	:	23 February 2024
DATE OF THIS CERTIFICATE OF PRACTICAL COMPLETION & LIST OF WORK TO JUSTIFY COMPLETION	:	23 February 2024

[Refer GCC 2015 Clauses 4.1.1, 5.5, 5.14.1-2, 7.4-8 & Contract Data]

I.t.o. the SAICE General Conditions of Contract for Construction Works 2015, 3rd Edition (GCC 2015) Clause 5.14.2 (with reference to Clauses 4.1.1, 5.5, 5.14.1, 7.4-8 & Contract Data), Practical Completion is hereby certified for the whole of the above Contract Works, comprising:

1. **Civil, Mechanical and Electrical Works as per the Contract Part 3 (of 5): Scope of Works (including all approved variations, etc.)**

It is hereby certified that the above Works have been inspected, have passed all required tests and are deemed Practically Complete in conformity with the provisions of the Contract.

Attached, as per Clause 5.14.2, is the <u>List of remaining work / tests / actions required to justify Completion of the whole of the Works</u> in terms of the Contract.

N/A. There is no list to justify Completion of the Works. Refer to the Certificate of Completion whereby a list is attached in accordance with Clause 5.14.4.

[redacted]

CERTIFICATE OF PRACTICAL COMPLETION I.t.o. GCC 2015
FOR THE WHOLE OF THE WORKS

ZUTARI
IMPACT. ENGINEERED.

Zutari Site Management System

Certificate of Practical Completion	Witnessed by	Witnessed by
[redacted]	[redacted]	[redacted]
For: EMPLOYER'S AGENT	For:	For: EMPLOYER
Date: 28/3/2024	Date: 28/03/2024	Date: 27/3/2024

Zutari Reference: PC / 113732 / 001

[redacted]

RAND WATER	CORPORATE PROJECT MANAGEMENT FINAL CERTIFICATE	DOC.NO: RW – PM – 00007/C Rev: 01 Effect date: Feb 2010

DATE: 01 February 2019 **PROJECT NUMBER:** P0.2854

SITE: ZB **CONTRACT No.** RW00766/11

TITLE: Construction of a new Filter House 2B at Zuikerbosch Pumping Station

Civil Works

NAME OF CONTRACTOR: Superway Construction Pty LTD

WORKS: Structures, Buildings and Interconnection pipelines for Filter House 2B

This is to certify that:

1. in terms of the Contract the works under the
2. contract as described above has been completed and all defects rectified
3. the work is in accordance with the conditions of contract and the Contractor has settled all claims under the contract; and
4. all final drawings and instruction manuals have been delivered. (*where applicable*

The Deed of Surety may be cancelled and payment of all outstanding money may be made

Name:	[redacted]	**APPROVED BY:**	[redacted]
Contractor:		**Designation:**	
Signature:		**Signature:**	
Date:	1/2/19	**Date:**	08.3.19
ON BEHALF OF THE CONTRACTOR *(in terms of the Contract)*		EMPLOYER'S REPRESENTATIVE *(in terms of the Contract)*	

[redacted]

RAND WATER	CORPORATE PROJECT MANAGEMENT CONSTRUCTION ACCEPTANCE CERTIFICATE	DOC.NO: RW – PM –00002/C Rev: 01 Effect date: Feb 2010

DATE : 13 October 2016 **PROJECT NUMBER:** P.02854

RAND WATER SITE: Zuikerbosch P.S. **LOCATION:** Filter House 2B

EQUIPMENT / PLANT/ STRUCTURE: Mechanical and Electrical works

CONTRACT NUMBER Contract RW00767/11

CONTRACT DESCRIPTION:

Zuikerbosch Pumping Station: Construction of a new 250 Mℓ/d Filter House 2B : Mechanical and Electrical works

CONTRACTOR: Botjheng Megatron Eigenbau (Joint Venture)

This is to certify that the structure, plant or machinery as specified above has been inspected and was found acceptable in terms of contractual compliance, operational, maintenance, safety, health, environmental and quality (SHEQ) requirements. It also certifies that the work complies with the drawings, specifications and contractual conditions.

It is therefore in order to proceed with on-line commissioning and the putting into operation of the structure, plant or machinery.

Title	Name	Signature	Date
Contractor	[redacted]		13/10/16
RW Employer's Representative			13.10.16
RW Site Risk Control Manager			2016/11/10
RW Site Operations Manager			13/10/2016
RW Site Maintenance Manager			17/10/16
RW Site Executive Manager			21/11/16

[redacted]

[redacted]

[redacted]

aurecon

1 September 2017

[redacted]

108425/RB

E-MAIL

Attention: M[redacted]

[redacted]

Dear Sir

CONTRACT NO. CES11/2014: WELVANPAS WTW AND RELATED INFRASTRUCTURE: COMPLETION CERTIFICATE

Please find attached a copy of the signed Completion Certificate for this contract.

On issue of this Completion Certificate

a) possession of the Site reverts to the Employer,
b) half the retention becomes payable,
c) the Contractor's insurance of the Works ceases,
d) the Defects liability period commences, and
e) the Performance Guarantee ceases.

Yours faithfully
AURECON

[redacted]

cc: ISD Properties [redacted]

Attachment: Completion Certificate

[redacted]

DRAKENSTEIN
MUNISIPALITEIT • MUNICIPALITY • UMASIPALE WASE

DEPARTMENT : CIVIL ENGINEERING SERVICES *"a Place of Exellence"*
TELEPHONE : [redacted]

Reference 16/1/1/6 (1075)
Enquiries [redacted]

11 May 2015

Chief Executive Officer
Aurecon
Aurecon Centre
[redacted]
0001

Dear Sir,

CLIENT REFERENCE LETTER

We hereby confirm that your firm (individually or in association with another) was legally contracted for the following project:

Brief Description of the Project
Meulwater WTW (8ML/d direct filtration of mountain water from Paarl Mountain, completed 2011) Project involved; - Feasibility studies - Preliminary design - Detailed design - Contract administration - Site supervision **Welvanpas WTW (10ML/d direct filtration of water from Leeutuin and Spruit rivers, in progress)** Project involved; - Feasibility study - Preliminary design - Detailed design - Contract administration (in progress) - Site supervision (to follow)

Aurecon provided these services in a manner that demonstrated their competence to undertake such a project. We hereby recommend Aurecon as a reputable firm capable of carrying out work of similar nature as described above and worthy of every employer's reliance.

Yours sincerely,

[redacted]

[redacted]

Senior Engineer: Water Services

E:\UDWAL\RWK\DRW\ReferenceLetter WTW Drakenstein.docx

[redacted]

UMGENI WATER · AMANZI

'Improving Quality of Life and Enhancing Sustainable Economic Development'

Enquiries: [redacted]

Our Ref: ***N/U/0302A/LTBWSS/10.8.6***

12/05/2015

[redacted]

Dear Sir,

CLIENT REFERENCE LETTER

We hereby confirm that your firm (individually or in association with another) was legally contracted for the following project:

Brief Description of the Project
Lower Thukela Bulk Water Supply System (110 ML/d River Abstraction, WTW, and bulk transfer pipelines and reservoirs) Aurecon has provided the following scope of consulting services: feasibility studies and planning; funding applications; coordination of specialist studies and investigations; assistance with environmental and water use legislation compliance requirements; concept design; design development; documentation and procurement; Aurecon also covered general project management; managing all engineering disciplines, including process, civil, structural, mechanical and electrical.

Aurecon provided these services in a manner that demonstrated their competence to undertake such a project.

Yours sincerely

[redacted]

Project Manager

Umgeni Water | Project Office

[redacted]

[redacted]

Assignment Name: Refurbishment and upgrade of Preekstoel Water Treatment Works (WTW)	**Approx. value of contract:** South African Rand (ZAR): 12,034,136.00
Location: South Africa	**Duration of assignment (months):** 69
Name of Client: Municipality of Overstrand	**Total no. of staff-months of the assignment:** 23.00
Address: PO Box 20 WCP Hermanus 7200 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 12,034,136.00
Start date (Month/Year): 10/2009 **Completion date (Month/Year):** 7/2015	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** Hendrik Honey: Project Executive
Narrative description of Project: The Greater Hermanus area in South Africa is supplied by a combination of surface water from De Bos Dam and ground water from e series of well fields. Overstrand Municipality appointed Zutari to provide the full scope of consulting services for the upgrading of their 28 Ml/d potable water treatment works. The plant treats organically coloured water with high levels of iron and manganese, and could not meet the design capacity. Additionally, much of the equipment had deteriorated with age. High levels of iron and manganese in the groundwater needed to be removed to prevent problems ranging from the staining of fabrics to the clogging of the water distribution network with gelatinous bacterial organisms that use iron and manganese in their metabolism. The solution involved integrating the treatment of the various well fields and designing a tailored process to ensure reliable achievement of target water quality. All mechanical and electrical equipment and controls were replaced and modernised in the existing works. The rapid gravity sand filters were gutted and re-equipped to enhance the performance via improved design, taking account of technology developments for this process. A biological plant was constructed adjacent to the existing plant for treating a maximum of 10 Ml/d of borehole water. After an extensive period of monitoring and adjusment, the biology had established sufficiently to deliver treated water meeting the SANS 241:2011 quality requirements. Water supply requirements have now been secured for the Greater Hermanus area that will also help protect against future droughts. Other benefits included introducing biological iron and manganese removal, not previously done in South Africa. This type of treatment showed substantial capital cost savings when compared with traditional chemical oxidation processes.	
Description of actual services provided by your staff within the assignment: Site investigations, plant trials, specialist process advice, detailed design, cost estimates, report preparation, tender and contract administration, project management and commissioning	

Consultants Name: Zutari

[redacted]

Assignment Name: Zuikerbosch WTW: Upgrading Filter Block 1	**Approx. value of contract:** South African Rand (ZAR): 30,195,701.70
Location: South Africa	**Duration of assignment (months):** 202
Name of Client: Rand Water	**Total no. of staff-months of the assignment:** 1.00
Address: PO Box 1127 GAU Johannesburg 2000 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 30,195,701.70
Start date (Month/Year): 8/2008 **Completion date (Month/Year):** 6/2025	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** Brendon Theunissen: Project Executive Brendon Theunissen: Work Package Lead Owen Fair: Work Package Lead

Narrative description of Project:

The Rand Water Board supplies bulk potable water from the Zuikerbosch water treatment works (WTW) site to the greater Gauteng area, including more than 11 million consumers. The plant has a total capacity of approximately 3 500 ML/day making it one of the largest treatment and pumping facilities on one site in the world. In an effort to meet increased water demand at the WTW, Zutari was tasked with the design of a new 250 ML/day rapid gravity sand filtration unit. The large filters, each with a nominal capacity of 20.8 ML/d, are designed with enhanced collapse-pulsing-type backwashing to improve over-all performance and efficiency. They are equipped with comprehensive on-line instrumentation, and are fully automated. The new filter block 2B consists of three main elements:• Clear well: A rectanular tank with dividing baffle walls which stores filtered water for backwashing and supplying treated water to consumers. Plan area: 50 m x 52 m. Storage volume: 7 000 m³.• Plant room: this area contains the control room and offices, and the four pumps and three blowers for backwashing the filters. Plan area: 13m x 52m. Pumping capacity: 2 700 m³/hour each. Air delivery rate per blower: 5 200 m³/hour.• Filter block: approximately 78 m x 52 m in plan, with 12 filter bays (each 173 m² in area) in two rows, connected by the filter gallery in the centre. The Rand Water Board is now able to meet the increased water demand of the Tshwane and Gauteng Metropolitan areas. These areas form the heartland of South African mining, industry and commerce, and the economic hub of the country. The construction of a separate filter block provides flexibility for maintenance and refurbishment requirements. One set of filters can be taken off-line for these activities, while the other set continues to operate.

Description of actual services provided by your staff within the assignment:

Process design, detailed design, tender document preparation, contract administration (civil and mechanical/electrical), construction monitoring, equipment fabrication quality inspections, testing and commissioning oversight, and project management

Consultants Name: Zutari

[redacted]

Assignment Name: Upgrading of the Welvanpas Water Treatment Works (WTW)	**Approx. value of contract:** South African Rand (ZAR): 17,048,241.06
Location: South Africa	**Duration of assignment (months):** 140
Name of Client: Municipality of Drakenstein	**Total no. of staff-months of the assignment:** 0.00
Address: Civil Engineering Services PO Box 1 Paarl 7620 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 17,048,241.06
Start date (Month/Year): 4/2012 **Completion date (Month/Year):** 12/2023	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** Geoffrey du Toit: Project Executive
Narrative description of Project: Zutari was appointed for the upgrading of the Welvanpas water treatment works (WTW), including the pump station, in order to transfer surplus water from the Welvanpas reservoir to the Con Marine and Van Blerk reservoirs. A 10 Ml direct filtration WTW was designed and constructed for client as well as a depot building for the regional staff. The upgrade will reduce cost of water production for the municipality, who presently purchase water from the City of Cape Town at a premium.	
Description of actual services provided by your staff within the assignment: Water retaining concrete; civil, structural, mechanical, electrical, process, control and instrumentation, building services.	

Consultants Name: Zutari

[redacted]

SCHEDULE 11B SUPPORTING DOCUMENTS



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

WATER AND SANITATION DEPARTMENT
WATER AND WASTE DIRECTORATE
[redacted]
Principal Engineer: Design
[redacted]

20/08/2021

[redacted]

Dear Sir/ Madam

We hereby confirm that your firm (individually or in association with another) was legally contracted for the following project: **Upgrade of Zandvliet Wastewater Treatment Works (WWTW).**

Consultant(s)	Brief description of the Project	Start Date	End Date	Construction Value
Zutari	The capacity extension of Zandvliet WWTW from **72 Mℓ/d upgraded to 90 Mℓ/d.** The project also included the refurbishment of the existing **MBR and conventional activated sludge treatment lanes.** To date the construction of the Black-Mac screening station and the Macassar pumpstation as well as the Black-Mac sewer outfall have been completed (construction value of R400 million). Phase 1: New 150 Mℓ/d inlet works, 4No PSTs, sludge dewatering and handling facilities, 120 Mℓ/d MBR lift pumpstation and demolition works (construction value of R 600 million).	2014	Ongoing	R 1,4 billion

[redacted]

	Phase 2: New 27 Mℓ/d MBR Plant and Infrastructure refurbishment for the existing CAS Plant (54 Mℓ/d) and existing MBR Plant (18 Mℓ/d) (construction value of R 800 million).			

We confirm that the project is ongoing.

Yours sincerely

[redacted]

[redacted]
TER & SANITATION HEAD OFFICE
OORTREKKER ROAD, CNR OF MIKE PIENAAR BOULEVARD, BELLVILLE 7535 PRIVATE BAG X9B, BELLVILLE, 7535
w.capetown.gov.za/thinkwater

STELLENBOSCH

Aurecon

Aurecon Centre

[redacted]

Dear Sir

CLIENT REFERENCE LETTER:

We hereby confirm that your firm (individually or in association with another) was legally contracted for the following project: **Upgrade and Extension of Stellenbosch WWTW**

Consultant(s)	Brief description of the Project	Start Date	End Date	Construction Value
Aurecon	Refurbishment and upgrading of the existing 20 Mℓ/day works and conversion to a full biological nutrient removal plant utilising **MBR technology**. This will extend the capacity of the works to **35 Mℓ/d**.	2013	Upgrade and Extension Works Phase 1: December 2017 Phase 2: Civil Contract **February 2019**	R 450 million

We confirm that the project was successfully completed Phase 1, December 2017 and Phase 2 Civil Contract completed, February 2019.

Your sincerely

[redacted]

[redacted]

[redacted]

PO BOX 3649
SOMERSET WEST
7129
REPUBLIC OF SOUTH AFRICA
[redacted]
REG. NO. 2007/031006/07
CSV CONSTRUCTION (PTY) LTD
CIVIL ENGINEERING CONTRACTORS

28 August 2017

AURECON
[redacted]

Attention [redacted]

RE: CONTRACT B/SM 5/15: UPGRADE AND EXTENSION OF THE STELLENBOSCH WASTEWATER TREATMENT WORKS TO 35 Mℓ/D: CIVIL WORKS – COMPLETION CERTIFICATE

We herewith confirm, as set out in the GCC 2nd Edition 2010 clause 5.14.4, the issued Snag list for the Stellenbosch WWTW Phase 1 has been completed as agreed. A final inspection was held on 28th August 2017 and hereby request the Certificate of Completion.

All relevant consequences of completion will apply as set out in clause 15.14.5.

We trust you find the above in order.

[redacted]

[redacted]

[redacted]

STELLENBOSCH
STELLENBOSCH • PNIEL • FRANSCHHOEK
MUNISIPALITEIT • UMASIPALA • MUNICIPALITY

[redacted]

Directorate: Infrastructure Services
Direktoraat: Infrastruktuurdienste

epos/email: [redacted]

Your Ref: Zutari

Our Ref: MBR Technology

02 April 2025

TO WHOM IT MAY CONCERN

COMPANY EXPERIENCE IN MEMBRANE TECHNOLOGY FOR WATER TREATMENT PURPOSE

Client Name	Stellenbosch Municipality		
Client Representative Name	[redacted]		
Location of Plant	Stellenbosch WWTW, Stellenbosch Municipality		
Plant Size	27 Mℓ/d Ultrafiltration Membrane Biological Reactor		
Type of Technology and treatment purpose. Example **Membrane filtration** Reverse Osmosis or ultrafiltration or microfiltration **(Membrane distillation, Membrane Permeation.**	Zutari was responsible for the planning, design, procurement, construction administration and monitoring for the upgrade of the existing Stellenbosch wastewater treatment works (WWTW) and associated infrastructure from a capacity of 20.4 Mℓ/d to 35 Mℓ/d in terms of Average Dry Weather Flow. The WWTW comprised of an 8 Mℓ/d activated sludge lane and a 27 Mℓ/d membrane bioraactor (MBR) lane. The MBR lane uses ultra-filtration membrane for solid-liquid separation in the MBR.		
Consultant Project Manager Name	[redacted]		
Contact details Client	Email, Phone and Address	E: [redacted] T: A:	
Completion Certificate	Yes	~~No~~	
Was the project completed in the required time and cost	Yes	~~No~~	
Why was the project not completed in the time cost – Example budget constraints	N/A		



Physical Address: 7 [redacted]

Is the Plant still operational	Yes	~~No~~	
Problems associated with the operation of this plant	N/A		

Should you require additional information, please do not hesitate to contact me.

Yours faithfully

[redacted]pril 2025

.....

[redacted]

MANAGER WASTEWATER TREATMENT



29 May 2019

[redacted]

Dear Sir

CLIENT REFERENCE LETTER

We herby confirm that your firm (individually or in association with another) was legally contracted for the following project: **Upgrade of Malmesbury Wastewater Treatment Works**

Consultant(s)	Brief description of the Project	Start Date	End Date	Construction Value
Aurecon	Malmesbury WWTW treats domestic and industrial wastewater from the town of Malmesbury. The original treatment works was a 5.4 Ml/d and was extended by 10 Ml/day by construction of a new Inlet Works, membrane biological reactor and sludge treatment facilities (aerobic digester and thickener and sludge dewatering facilities (belt presses)). Aurecon was responsible for conceptual design and planning, preliminary design, detailed design and construction supervision. This included civil, structural, mechanical, electrical and control disciplines.	2005	2014	R114 Million

We confirm that the project was successfully completed on October 2014.

Your sincerely

[redacted]

per Department Civil Engineering Services

LDZ/ma

Rig asseblief alle korrespondensie aan:
Die Munisipale Bestuurder
Privaatsak X52
Malmesbury 7299
Darling Tel: [redacted]

Fax: [redacted]
Epos/Email: [redacted]
Moorreesburg Tel: [redacted]

Kindly address all correspondence to:
The Municipal Manager
Private Bag X52
Malmesbury 7299
Yzerfontein Tel: [redacted]

Assignment Name: Extension and associated infrastructure refurbishment for Zandvliet Wastewater Treatment Works	**Approx. value of contract:** South African Rand (ZAR): 204,477,083.51
Location: South Africa	**Duration of assignment (months):** 139
Name of Client: City of Cape Town Water &Sanitation	**Total no. of staff-months of the assignment:** 14.00
Address: 1st Floor Water & Sanitation Head Office 8 Voortrekker Road Corner of Mike Pienaar Boulevard Bellville Cape Town 7535 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 204,477,083.51
Start date (Month/Year): 3/2014 **Completion date (Month/Year):** 10/2025	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted]ct Executive [redacted]k Package Lead [redacted]Work Package Lead [redacted]ackage Lead [redacted]rk Package Lead [redacted]Package Lead [redacted]ork Package Lead [redacted]k Package Lead [redacted]Package Lead [redacted]Package Lead [redacted]k Package Lead [redacted]ge Lead [redacted]Package Lead [redacted]ackage Lead [redacted]e Lead [redacted]Package Lead [redacted]rk Package Lead
Narrative description of Project: The Black-Mac (Blackheath – Macassar) bulk sewer was constructed in 1983. Its catchment consists of Blackheath, portions of Blue Downs, Croydon and portions of Macassar in Cape Town. Wastewater, collected from the high-density residential areas in Cape Town, passes through the Black-Mac screening station, down large sewers (7,3 km in length) and underneath the Eerste River siphon, before entering the large and deep Macassar pump station that pumps it to the Macassar Wastewater Treatment Works (WWTW) for further treatment. Over time, vandalism, theft, corrosion, lack of maintenance and overloading rendered the sewers in a state of disrepair, the screening station defunct, and the pump station barely operational. Zutari was appointed to analyse/plan and design equipment and infrastructure for the capacity extension and refurbishment of Zandvliet Wastewater Treatment Works (WWTW). The refurbishment includes the Macassar pump station, and the Black-Mac screening station and pipeline. Zutari was responsible for the documentation and procurement, and contract administration and construction supervision. The capacity of the existing works was extended through the construction of a new membrane bioreactor (MBR) plant, primary settling tanks (PSTs) and sludge dewatering facilities. The existing two 27 Ml/d conventional activated sludge (AS) plants and the 18 Ml/d MBR plant were refurbished with new mechanical equipment. A new administration building was constructed to house an upgraded supervisory control and data acquisition (SCADA) system. The treatment of wastewater in the area will improve the quality of effluent discharged to the Eerste River, allow future recycling of treated effluent, enable urban development and boost investments in the area.	
Description of actual services provided by your staff within the assignment: Structural, hydraulic, process, electrical, civil and mechanical design and construction and project management	

Consultants Name: Zutari

[redacted]

Assignment Name: Upgrading and extension of Stellenbosch wastewater treatment works (WWTW)	**Approx. value of contract:** South African Rand (ZAR): 18,450,000.00
Location: South Africa	**Duration of assignment (months):** 143
Name of Client: Municipality of Stellenbosch	**Total no. of staff-months of the assignment:** 1.00
Address: PO Box 17 Stellenbosch 7599 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 18,450,000.00
Start date (Month/Year): 11/2013 **Completion date (Month/Year):** 10/2025	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted]: Project Executive [redacted] Work Package Lead [redacted] Work Package Lead [redacted]: Work Package Lead

Narrative description of Project:

The Stellenbosch Wastewater Treatment Works (WWTW) was at a crossroads in 2011 as the plant was over capacity, struggling to meet effluent compliance and a nuisance to the surrounding community and environment. For Stellenbosch Local Municipality, the facility was a frustration due to foul odours and the pollution of downstream water resources which also impacted the prominent agricultural and tourist industries. In 2012, the degraded and overloaded state of the project had led to a moratorium on development within the town of Stellenbosch. The treatment capacity was under severe strain to cope with the incoming organic and hydraulic load far exceeding its design capacity. The effluent discharged was not in compliance with the regulations leading to pollution of the receiving river. As a result, the Client was under political pressure from the surrounding community and external stakeholders surrounding tourist facilities and downstream users of the Veldwachters River, which included agricultural users growing produce for exportation. The project comprised the upgrade and extension of the existing wastewater treatment works (WWTW) to improve the quality of treated effluent released into the Veldwachters River to cater for existing and future growth in the catchment area. The work entailed the refurbishment and upgrading of the existing 20 Ml/d works to 35 Ml/d and the conversion of the works to a full biological nutrient removal (BNR) plant using membrane bioreactor (MBR) technology.

Zutari was engaged for the planning, preliminary and detailed design, tender documentation and evaluation, construction supervision and administration of the 3-year operation and maintenance contract. The scope also included additional services related to the environmental process, health and safety, environmental control services and ground surveys as well civil, structural, geotechnical, mechanical, electrical and control disciplines. The scope of infrastructure included a new inlet works with odour control, a 27 Ml/d MBR reactor, a machine building, sludge thickening dissolved air flotation (DAF) units, an aerobic digester, dewatering building (belt presses), sludge silo, a new administration building, the upgrading of the existing plant to a full BNR treatment facility of 8 Ml/day without PSTs, ultraviolet (UV) closed vessel disinfection for existing plant and general civil works. General civil services include roads, stormwater, washwater, potable water, fencing and soft/hard landscaping.

The completion of the project had put the town of Stellenbosch at the forefront of wastewater treatment within the southern hemisphere to not only ensure wastewater treatment but also create resilience for water supply in future. The works were a full BNR facility allowing for nitrogen and phosphate removal to ensure compliance with the National Water Act and Re-use potential (additional water resource and potential revenue stream). The project also mitigated current odour problems and ensured capacity building in terms of the operation and maintenance (O&M) skills for the works' personnel.

Description of actual services provided by your staff within the assignment:
Planning, preliminary and detailed design, tender documentation and evaluation, construction supervision, and administration

Consultants Name: Zutari

[redacted]

Assignment Name: Malmesbury wastewater treatment works upgrade	**Approx. value of contract:** South African Rand (ZAR): 17,349,611.00
Location: South Africa	**Duration of assignment (months):** 144
Name of Client: Swartland Local Municipality	**Total no. of staff-months of the assignment:** 23.00
Address: Private Bag X52 Malmesbury 7300 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 17,349,611.00
Start date (Month/Year): 10/2004 **Completion date (Month/Year):** 10/2016	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted] Project Executive
Narrative description of Project: Due to sustained growth in the town of Malmesbury, the wastewater treatment works, which treats both domestic and industrial wastewater, was upgraded to a 10 Ml/d membrane bioreactor (MBR) plant. Zutari conducted a feasibility study for the upgrade of the facility. Zutari came up with an innovative approach - to decommission the old biofilter plant and incorporate the old activated sludge plant into the MBR as a hybrid system. This high-tech solution virtually eliminates the risk of solid waste spilling into the environment. The upgrading of the plant to a MBR system satisfied all the objectives and, by utilising existing infrastructure, significant cost savings were realised. The upgrade was carried out in a step-by-step manner and as a result, interruption to the operation of the existing plant was minimised.The system is designed to accommodate seasonal-flow variation, and provide operational flexibility and energy saving. The upgrade increases the plant's hydraulic capacity to 20 Ml/d, while achieving the prescribed effluent requirements, thereby serving as a lasting asset to the community. The innovative MBR approach has reduced the overall cost of the upgrade through maximising use of existing infrastructure and reducing peak-wet-weather loading on the membranes. Zutari has been part of taking this overloaded WWTW from substandard to state-of-the-art which has now been awarded a number of engineering excellence awards.Apart from providing consistent, good-quality water, the upgrade prevents the spillage of untreated effluent and therefore promotes the health and wellbeing of the surrounding community and its natural environment.	
Description of actual services provided by your staff within the assignment: Feasibility studies, environmental advice, detailed design, tender documentation, contract administration, project management, control philosophy (including HMI/SCADA requirements) and testing and commissioning	

Consultants Name: Zutari

[redacted]

SCHEDULE 11C SUPPORTING DOCUMENTS



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Making progress possible. Together.

SABS
ISO 9001

WATER AND SANITATION
BULK SERVICES

[redacted]

E: [redacted]

Date: 4 August 2025

Dear Sir/Madam

TENDER NO. 308C/2024/25: CLIENT REFERENCE LETTER: FAURE NEW WATER SCHEME

We hereby confirm that Zutari is legally contracted for the Faure New Water Scheme (NWS) under Contract No. 194C/2020/21, Works Project No. BW-WP013

Consultant(s)	Brief description of the Project	Start Date	End Date	Contract	(Approx.) Construction Value
Zutari	Completion of the design and implementation of a 70 MLD (upgradable to 100 MLD) Water reuse plant utilizing the effluent from the Zandvliet Wastewater Treatment Plant.	October 2017	September 2026 (When current framework appointment will terminate)	2017-2021: 35C/2016/17 BW-WP032 and WP005 2021 to date: 194C/2020/21 – BW-WP013	R 3.4 billion

The FNWS is a planned 70 ML/day direct potable water reuse scheme. It will source water from Zandvliet Wastewater Treatment Works (WWTW) and purify it through an advanced water purification plant (AWPP) to produce drinking quality water. The water will be blended with surface water from Steenbras and Theewaterskloof dam and treated again at the Faure Water Treatment Plant (WTP) and the distributed across the city. The infrastructure is locate at the Zandvliet WWTW and Faure WTP in Cape Town.

We confirm that Zutari's scope included:

1. Complete ECSA Stages 1 to 4 of the project lifecycle in accordance with the relevant guidelines and standards, excluding the tendering process. This includes concept and detailed design.
2. Develop and compile all necessary technical documentation, including detailed design report, drawings and specifications, to support statutory approvals, stakeholder engagement, and future implementation phases.
3. Ensure the project met all Legal and Statuary requirements.

[redacted]

4. Act on behalf of the City of Cape Town to secure the required Water Use License from the Department of Water and Sanitation (DWS), ensuring full compliance with applicable legislation and license conditions.
5. Undertake a full Hazard Analysis and Critical Control Points (HACCP) assessment, and prepare the necessary documentation to support water safety planning and regulatory approval processes.
6. Develop stormwater management plans in accordance with applicable municipal and environmental regulations, and facilitate the approval process with relevant authorities.
7. A Section 78 study in terms of the Municipal Systems Act, 32 of 2000, for the implementation and operation of the Scheme. This includes investigation into a Public Private Partnership service delivery method in compliance with the Municipol Finance Management Act (MFMA) Section 120 process, supporting transaction advisory teams, and assisting with stakeholder engagements and decision-making processes related to the potential appointment of a private operator.

Zutari has completed the Detailed Design of the Faure NWS and has completed the Section 78(3) Feasibility Report, which will be presented at Council in December 2025 for a decision on the best service delivery option.

Yours faithfully

[redacted]

Director: Bulk Services

CITY OF CAPE TOWN, WATER AND SANITATION DEPARTMENT

[redacted]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

WATER AND SANITATION DIRECTORATE
BULK SERVICES
BULK WATER BRANCH

[redacted]
Head: Bulk Water Supply
T: [redacted]

06 August 2025

Dear Sir/Madam

CLIENT REFERENCE LETTER: PHILIPPI WATER TREATMENT WORKS (WTW)

I hereby confirm that Zutari (Pty) Ltd is legally contracted for the provision of professional services for the **Philippi WTW** as part of the Cape Flats Aquifer Management Scheme.

Consultant	Brief description of the Project	Start Date	End Date	(Approx.) Construction Value
Zutari (Pty) Ltd	The Hanover Park / Philippi WTW, as part of the Cape Flats Aquifer Management Scheme, is a 10 Ml/day indirect potable water reuse plant, with the Civil Works currently under construction at the existing Philippi Tank Site to treat the borehole water from the Hanover Park and Philippi borehole wellfield clusters.	September 2021	December 2028	R 181,5 million (Civil Works) R 475 million (M&E Works)

The City of Cape Town (CCT) is expanding its drinking water supply through the utilisation of groundwater from the Cape Flats Aquifer, as part of the New Water Programme. The NWP includes an **indirect potable reuse scheme**, whereby treated effluent from the Cape Flats Wastewater Treatment Works (WWTW) which has already undergone tertiary treatment, will be recharged into the Cape Flats Aquifer. This water will then be abstracted and undergo further treatment at various facilities. Among these are three advanced water treatment works (WTW) namely the Strandfontein West WTW (6Ml/d), the Philippi WTW (10Ml/d) and Mitchells Plain WTW (38Ml/d).

I confirm that Zutari has been responsible for the following scope of work for the **Philippi WTW**:

- **Planning, studies, and approvals**: Including water safety planning, support services, building plan approvals, site development planning, and associated regulatory approvals;
- **Design:** Design development through concept design and detailed design. Development of all construction-phase drawings, covering civil, structural, mechanical and electrical disciplines.
- **Documentation and procurement:** Preparation of tender documentation and support to the City for the procurement process for the civil works and the mechanical and electrical works;
- **Construction supervision:** Ongoing oversight of the civil works contract, with the mechanical contract to follow once the procurement process has been completed.

[redacted]

Zutari (Pty) Ltd has currently completed the design phase of the project and is presently undertaking the procurement phase for the M&E works, while already overseeing construction for the Civil works.

Yours faithfully

[redacted]

[redacted]

[redacted]

Assignment Name: CONTRACT 194C/2020/21: BW-WP013 Faure New Water Scheme	**Approx. value of contract:** South African Rand (ZAR): 126,598,004.93
Location: South Africa	**Duration of assignment (months):** 182
Name of Client: City of Cape Town Water &Sanitation	**Total no. of staff-months of the assignment:** 37.00
Address: [redacted]	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 126,598,004.93
Start date (Month/Year): 10/2017 **Completion date (Month/Year):** 12/2032	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted] Project Executive [redacted] Work Package Lead [redacted]k Package Lead

Narrative description of Project:
The City of Cape Town wishes to construct a direct potable reuse plant treating water from the Zandvliet wastewater treatment works (WWTW) to a standard suitable for feeding the existing Faure water treatment works (WTW).

The project is a new scheme for direct potable reuse of wastewater to augment the domestic water supply to Cape Town. The advanced purification plant is to be equipped initially for a capacity of 70 Ml/d, with certain components sized for a future 100 Ml/d. The process train includes tertiary biofiltration for nitrate polishing, ozonation, bromate suppression, biological activated carbon filtration, granular activated carbon filtration, ultrafiltration, and ultraviolet light advanced oxidation.

The project is currently in detailed design phase and Zutari was appointed to undertake the full range of consulting services, including feasibility planning, establishing water quality standards, concept and detailed design, facilitating a hazard analysis and critical control point assessment (HACCP) and integrating the findings with the design and with commissioning and operation protocols, procurement of construction contracts, contract administration, supervision, arranging regulatory approvals, and assistance with a comprehensive public engagement campaign.

Thinking differently about planning and concept design enabled a cost-effective and sustainable solution. The scheme is equivalent to a new Dam, but without any significant infrastructure in pristine environments. The project will further target a Green Star rating under a custom office/industrial certification.

Description of actual services provided by your staff within the assignment:
Feasibility planning, concept and detailed design, procurement of construction contracts, contract administration and supervision

Consultants Name: Zutari

[redacted]

Assignment Name: 194C/2020/21 Philippi WTW - Cape Flats Aquifer Management Scheme (CFAMS)	**Approx. value of contract:** South African Rand (ZAR): 114,300,000 R655million (anticipated construction value)
Location: South Africa	**Duration of assignment (months):** 60
Name of Client: City of Cape Town Water & Sanitation	**Total no. of staff-months of the assignment:**
Address: [redacted]	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 114,300,000 R655million (anticipated construction value)
Start date (Month/Year): October 2021 **Completion date (Month/Year):** September 2026 (When current framework appointment will terminate)	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted] Project Executive

Narrative description of Project:

This project entailed the recharging of the Cape Flats Aquifer with purified recycled wastewater (40Ml/d), abstraction and further advanced purification at four new plants, totalling a capacity of approximately 50Ml/d, before injection into the existing bulk network.

The City of Cape Town plans to increase its drinking water supply with groundwater from the Cape Flats Aquifer as part of the New Water Resilience Project. The plan calls for indirect reuse, in which wastewater from the Cape Flats WWTW, which has already undergone tertiary treatment by others, will be put into the Cape Flats Aquifer before being extracted for additional treatment at various treatment facilities. One of these abstracted water treatment facilities will be the Philippi water treatment works (WTW. The Philippi WTW is a 10 Ml/day Indirect Potable Reuse plant and is being constructed at the existing Philippi Tank Site to treat the borehole water from the Hanover Park and Philippi borehole wellfield clusters.

The basis of design acknowledged that the water source is contaminated and cannot proceed as a conventional groundwater treatment plant, and is an indirect reuse plant treating water from a unconfined urban aquifer.

Description of actual services provided by your staff within the assignment:
Planning, studies, and approvals, design, documentation and procurement, and construction supervision.

Consultants Name: Zutari

[redacted]

SCHEDULE 11D SUPPORTING DOCUMENTS



MANGAUNG
METR MUNICIPALITY
METRO MUNISIPALITEIT
LEKG TLA LA MOTSE

Water and Sanitation

16 August 2021

To whom it may concern

W0903A & B: NORTH-EASTERN WASTEWATER TREATMENT WORKS: SUCCESSFUL COMPLETION

Mangaung Metropolitan Municipality employed Aurecon South Africa to assist with the design, control and supervision of projects on our behalf. They completed the following projects successfully:

Project Description	Project Value	Duration	Start/Completion	Status
W0903A&B – North-Eastern Wastewater Treatment Works Phase 1 & 2	Phase 1: R244.1 million Phase 2: R163.2 million	Phase 1 – 46 months Phase 2 – 27 months	Phase 1: Feb 2013 – Dec 2016 Phase 2: Mar 2016 – June 2018	Phase 1: Completed Phase 2: Completed

[redacted]

Manager Engineering Services

17/08/2021

Date

[redacted]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

WATER AND SANITATION DEPARTMENT
WATER AND WASTE DIRECTORATE
[redacted]
Principal Engineer: Design
T: [redacted]

20/08/2021

[redacted]

Dear Sir/ Madam

We hereby confirm that your firm (individually or in association with another) was legally contracted for the following project: **Upgrade of Zandvliet Wastewater Treatment Works (WWTW).**

Consultant(s)	Brief description of the Project	Start Date	End Date	Construction Value
Zutari	The capacity extension of Zandvliet WWTW from **72 Mℓ/d upgraded to 90 Mℓ/d.** The project also included the refurbishment of the existing **MBR and conventional activated sludge treatment lanes.** To date the construction of the Black-Mac screening station and the Macassar pumpstation as well as the Black-Mac sewer outfall have been completed (construction value of R400 million). Phase 1: New 150 Mℓ/d inlet works, 4No PSTs, sludge dewatering and handling facilities, 120 Mℓ/d MBR lift pumpstation and demolition works (construction value of R 600 million).	2014	Ongoing	R 1,4 billion

	Phase 2: New 27 Mℓ/d MBR Plant and Infrastructure refurbishment for the existing CAS Plant (54 Mℓ/d) and existing MBR Plant (18 Mℓ/d) (construction volue of R 800 million).			

We confirm that the project is ongoing.

Yours sincerely

[redacted]

WASTEWATER

RAND WATER

HEAD OFFICE

[redacted]

Reference: [redacted]

Enquiries: [redacted]

Date: 17 August 2021

Zutari (Pty) Ltd

[redacted]

Dear Sir/ Madam

CLIENT REFERENCE LETTER:

We hereby confirm that your firm (individually or in association with another) was legally contracted for the following project: **Sebokeng Wastewater Treatment Works (WWTW).**

Consultant(s)	Brief description of the Project	Start Date	End Date	Construction Value
Zutari	Design, Supervion & Monitoring for the construction of the wastewater treatment works, Sebokeng. The scope of the infrastructure comprised of a new inlet works, 4nr x primary settling tank, **two 50 Mℓ/d** biological nutrient removal activated sludge units **(100 Mℓ/d of total capacity)**, 4nr x clarifiers, disinfection, sludge treatment and disposal for the complete facility.	2013	2020	R 755 million

We confirm that the first phase (50 Mℓ/day) of the project comprising new inlet works for 100 Mℓ/d,

[redacted]

2nr x primary settling tanks, 1 x 50 Ml/d, 3nr x final clarifiers, disinfection as well as sludge dewatering plant was successfully completed in 2020.

Your sincerely

[redacted]

[redacted]

CERTIFICATE OF PRACTICAL COMPLETION i.t.o. GCC 2015 FOR THE WHOLE OF THE WORKS

ZUTARI
IMPACT. ENGINEERED.

Zutari Site Management System

CERTIFICATE NUMBER	:	[redacted]
CONTRACT NUMBER	:	SCM/19-74/C/2018-2019
CONTRACT DESCRIPTION	:	COEGA KOP WELLFIELD PHASE 4: BIOFILTRATION PLANT AND BOREHOLE PUMPS
EMPLOYER	:	The Nelson Mandela Bay Municipality
CONTRACTOR	:	Stefanutti Stocks PCI Consortium
EMPLOYER'S AGENT	:	Zutari (Pty) Ltd (formally known as 'Aurecon South Africa (Pty) Ltd')

DUE COMPLETION DATE (CURRENT)	:	13 June 2023
DATES OF CONTRACTOR'S WRITTEN REQUESTS FOR CPC APPLICABLE TO THE WHOLE OF THE ABOVE CONTRACT WORKS	:	1st request - 01 December 2023 (Rejected in EA Letter 15 Dec 2024) 2nd request - 23 February 2024
DATE ON WHICH AS-BUILT INFO AND O&M MANUALS RECEIVED / APPROVED	:	31 January 2024 / 22 February 2024
DATES OF ALL REQUIRED TESTS	:	Refer commissioning schedules in the O&M Manuals
DATES OF COMPLYING RESULTS OF ALL REQUIRED TESTS RECEIVED	:	Refer commissioning schedules in the O&M Manuals
DATE/S OF FURTHER FORMAL INSPECTIONS	:	N/A. Refer to Certificate of Completion
DATE OF PRACTICAL COMPLETION OF WORKS IN ACCORDANCE WITH CONTRACT		23 February 2024
DATE OF THIS CERTIFICATE OF PRACTICAL COMPLETION & LIST OF WORK TO JUSTIFY COMPLETION	:	23 February 2024

[Refer GCC 2015 Clauses 4.1.1, 5.5, 5.14.1-2, 7.4-8 & Contract Data]

I.t.o. the SAICE General Conditions of Contract for Construction Works 2015, 3rd Edition (GCC 2015) Clause 5.14.2 (with reference to Clauses 4.1.1, 5.5, 5.14.1, 7.4-8 & Contract Data), Practical Completion is hereby certified for the whole of the above Contract Works, comprising:

1. **Civil, Mechanical and Electrical Works as per the Contract Part 3 (of 5): Scope of Works (including all approved variations, etc.)**

It is hereby certified that the above Works have been inspected, have passed all required tests and are deemed Practically Complete in conformity with the provisions of the Contract.

Attached, as per Clause 5.14.2, is the <u>List of remaining work / tests / actions required to justify Completion of the whole of the Works</u> in terms of the Contract.

N/A. There is no list to justify Completion of the Works. Refer to the Certificate of Completion whereby a list is attached in accordance with Clause 5.14.4.

[redacted]

CERTIFICATE OF PRACTICAL COMPLETION I.t.o. GCC 2015
FOR THE WHOLE OF THE WORKS

ZUTARI
IMPACT. ENGINEERED.

Zutari Site Management System

Certificate of Practical Completion	Witnessed by	Witnessed by
[redacted]	[redacted]	[redacted]
For: EMPLOYER'S AGENT	For: CONTRACTOR	
Date: 28/3/2024	Date: 28/03/2024	Date: 27/3/2024

Zutari Reference: PC / 113732 / 001

[redacted]

RAND WATER	CORPORATE PROJECT MANAGEMENT CONSTRUCTION ACCEPTANCE CERTIFICATE	DOC.NO: RW – PM –00002/C Rev: 01 Effect date: Feb 2010

DATE : 13 October 2016 **PROJECT NUMBER:** P.02854

RAND WATER SITE: Zuikerbosch P.S. **LOCATION:** Filter House 2B

EQUIPMENT / PLANT/ STRUCTURE: Mechanical and Electrical works

CONTRACT NUMBER Contract RW00767/11

CONTRACT DESCRIPTION:

Zuikerbosch Pumping Station: Construction of a new 250 Mℓ/d Filter House 2B : Mechanical and Electrical works

CONTRACTOR: [redacted] (Joint Venture)

This is to certify that the structure, plant or machinery as specified above has been inspected and was found acceptable in terms of contractual compliance, operational, maintenance, safety, health, environmental and quality (SHEQ) requirements. It also certifies that the work complies with the drawings, specifications and contractual conditions.

It is therefore in order to proceed with on-line commissioning and the putting into operation of the structure, plant or machinery.

Title	Name	Signature	Date
Contractor	[redacted]		13/10/16
RW Employer's Representative			13.10.16
RW Site Risk Control Manager			13/11/16
RW Site Operations Manager			13/10/2016
RW Site Maintenance Manager			17/10/16
RW Site Executive Manager			11/11/16

[redacted]

Assignment Name: Mangaung North-Eastern Wastewater Treatment Works (WWTW)	**Approx. value of contract:** South African Rand (ZAR): 23,845,369.00
Location: South Africa	**Duration of assignment (months):** 78
Name of Client: Mangaung Metropolitan Municipality	**Total no. of staff-months of the assignment:** 35.00
Address: PO Box 3704 FS Bloemfontein 9300 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 23,845,369.00
Start date (Month/Year): 6/2008 **Completion date (Month/Year):** 12/2014	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** Jurie Vermaak: Project Executive
Narrative description of Project: This project involved the development of a 15 Ml/day wastewater treatment works (WWTW) alongside a 1.8 km outfall sewer with a diameter ranging from 600 mm to 800 mm. The planned WWTW is set to be constructed on municipal land located just north of the Bloemspruit Air Force Base. Zutari was tasked with overseeing the project's planning, design, procurement, and construction supervision. The scope also included the installation of approximately 14 km of bulk outfall sewers, with diameters varying between 200 mm and 800 mm. The Mangaung North-Eastern WWTW aims to alleviate the significant overload on the existing Bloemspruit WWTWs.	
Description of actual services provided by your staff within the assignment: Planning, design, procurement and construction supervision	

Consultants Name: Zutari

[redacted]

Assignment Name: Extension and associated infrastructure refurbishment for Zandvliet Wastewater Treatment Works	**Approx. value of contract:** South African Rand (ZAR): 204,477,083.51
Location: South Africa	**Duration of assignment (months):** 139
Name of Client: City of Cape Town Water &Sanitation	**Total no. of staff-months of the assignment:** 14.00
Address: 1st Floor Water & Sanitation Head Office 8 Voortrekker Road Corner of Mike Pienaar Boulevard Bellville Cape Town 7535 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 204,477,083.51
Start date (Month/Year): 3/2014 **Completion date (Month/Year):** 10/2025	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted]ect Executive [redacted]rk Package Lead [redacted]Work Package Lead [redacted]Package Lead [redacted]ork Package Lead [redacted]k Package Lead [redacted]Work Package Lead [redacted]rk Package Lead [redacted] Package Lead [redacted] Package Lead [redacted]k Package Lead [redacted]ge Lead [redacted] Package Lead [redacted]ackage Lead [redacted]e Lead [redacted]k Package Lead [redacted]rk Package Lead

Narrative description of Project:

The Black-Mac (Blackheath – Macassar) bulk sewer was constructed in 1983. Its catchment consists of Blackheath, portions of Blue Downs, Croydon and portions of Macassar in Cape Town. Wastewater, collected from the high-density residential areas in Cape Town, passes through the Black-Mac screening station, down large sewers (7,3 km in length) and underneath the Eerste River siphon, before entering the large and deep Macassar pump station that pumps it to the Macassar Wastewater Treatment Works (WWTW) for further treatment. Over time, vandalism, theft, corrosion, lack of maintenance and overloading rendered the sewers in a state of disrepair, the screening station defunct, and the pump station barely operational.

Zutari was appointed to analyse/plan and design equipment and infrastructure for the capacity extension and refurbishment of Zandvliet Wastewater Treatment Works (WWTW). The refurbishment includes the Macassar pump station, and the Black-Mac screening station and pipeline. Zutari was responsible for the documentation and procurement, and contract administration and construction supervision. The capacity of the existing works was extended through the construction of a new membrane bioreactor (MBR) plant, primary settling tanks (PSTs) and sludge dewatering facilities. The existing two 27 Ml/d conventional activated sludge (AS) plants and the 18 Ml/d MBR plant were refurbished with new mechanical equipment. A new administration building was constructed to house an upgraded supervisory control and data acquisition (SCADA) system.

The treatment of wastewater in the area will improve the quality of effluent discharged to the Eerste River, allow future recycling of treated effluent, enable urban development and boost investments in the area.

Description of actual services provided by your staff within the assignment:

Structural, hydraulic, process, electrical, civil and mechanical design and construction and project management

Consultants Name: Zutari

[redacted]

Assignment Name: Sebokeng wastewater treatment works (WWTW)	**Approx. value of contract:** South African Rand (ZAR): 83,342,102.00
Location: South Africa	**Duration of assignment (months):** 148
Name of Client: Emfuleni Local Municipality	**Total no. of staff-months of the assignment:** 130.00
Address: PO Box 3 GAU Vanderbijlpark 1900 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 83,342,102.00
Start date (Month/Year): 11/2010 **Completion date (Month/Year):** 3/2023	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted]ct Executive Project Executive Executive ject Executive ject Executive ject Executive

Narrative description of Project:
The Sebokeng wastewater treatment works (WWTW) was hydraulically overloaded and was retarding the development of the region. Zutari was appointed in an open tender for the design and construction monitoring of the works comprising a new inlet works, a balancing tank, a primary settling tank, two 50 Ml/d biological nutrient removal activated sludge units, clarifiers, disinfection, sludge treatment and disposal for the complete facility. A very important aspect of the appointment was an evaluation of the catchment in respect of water ingress into the sewers, as this was contributing to the overloaded state of the works. A reduction in the infiltration could lead to significant savings in respect of capital expenditure (CAPEX) and operational expenditure (OPEX).

Description of actual services provided by your staff within the assignment:
Feasibility analysis, process design, preliminary and detailed design, design of mechanical equipment, control system design, construction monitoring, project management of design teams, contract documentation end construction monitoring

Consultants Name: Zutari

[redacted]

Assignment Name: Zuikerbosch WTW: Upgrading Filter Block 1	**Approx. value of contract:** South African Rand (ZAR): 30,195,701.70
Location: South Africa	**Duration of assignment (months):** 202
Name of Client: Rand Water	**Total no. of staff-months of the assignment:** 1.00
Address: PO Box 1127 GAU Johannesburg 2000 ZA	**Approx. value of services provided by your firm under the contract:** South African Rand (ZAR): 30,195,701.70
Start date (Month/Year): 8/2008 **Completion date (Month/Year):** 6/2025	**No. of staff-months of professional staff provided by associated Consultants:** 0.00
Names of associated Consultants, if any:	**Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as project director / coordinator, team leader):** [redacted] Project Executive Work Package Lead kage Lead

Narrative description of Project:
The Rand Water Board supplies bulk potable water from the Zuikerbosch water treatment works (WTW) site to the greater Gauteng area, including more than 11 million consumers. The plant has a total capacity of approximately 3 500 ML/day making it one of the largest treatment and pumping facilities on one site in the world. In an effort to meet increased water demand at the WTW, Zutari was tasked with the design of a new 250 ML/day rapid gravity sand filtration unit. The large filters, each with a nominal capacity of 20.8 ML/d, are designed with enhanced collapse-pulsing-type backwashing to improve over-all performance and efficiency. They are equipped with comprehensive on-line instrumentation, and are fully automated. The new filter block 2B consists of three main elements:• Clear well: A rectanular tank with dividing baffle walls which stores filtered water for backwashing and supplying treated water to consumers. Plan area: 50 m x 52 m. Storage volume: 7 000 m^3.• Plant room: this area contains the control room and offices, and the four pumps and three blowers for backwashing the filters. Plan area: 13m x 52m. Pumping capacity: 2 700 m^3/hour each. Air delivery rate per blower: 5 200 m^3/hour.• Filter block: approximately 78 m x 52 m in plan, with 12 filter bays (each 173 m^2 in area) in two rows, connected by the filter gallery in the centre. The Rand Water Board is now able to meet the increased water demand of the Tshwane and Gauteng Metropolitan areas. These areas form the heartland of South African mining, industry and commerce, and the economic hub of the country. The construction of a separate filter block provides flexibility for maintenance and refurbishment requirements. One set of filters can be taken off-line for these activities, while the other set continues to operate.

Description of actual services provided by your staff within the assignment:
Process design, detailed design, tender document preparation, contract administration (civil and mechanical/electrical), construction monitoring, equipment fabrication quality inspections, testing and commissioning oversight, and project management

Consultants Name: Zutari

[redacted]

ZUTARI
IMPACT. ENGINEERED.

[redacted] E [redacted]
A 1 Century City Drive
[redacted]
zutari.com

5 August 2025

TO WHOM IT MAY CONCERN

AUTHORITY FOR SIGNATORY

It is hereby certified that [redacted] in his capacity as Technical Director: Water Africa, is duly authorised, in accordance with Zutari's internal processes and delegated authorities, to sign all documents submitted on behalf of Zutari (Pty) Ltd in respect of the following tender:

Term Tender for Provision of Multi-disciplinary Professional Services in respect of Water reuse projects (Tender no 308C/2024/25),

for the City of Cape Town.

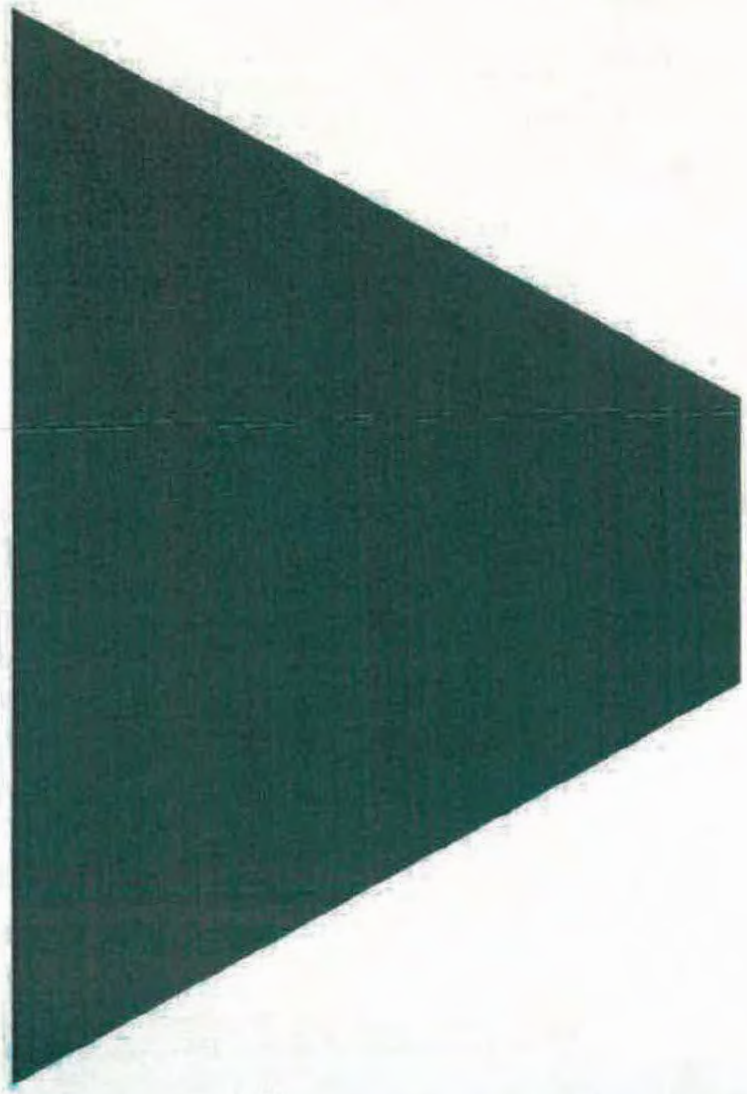
Yours sincerely,

[redacted]
.....

LEGAL: [redacted]

[redacted] TEI [redacted]

SCHEDULE 12 :
Professional Architect



AS
&P

01 August 2025

DIRECTOR: WATER AND SANITATION
CITY OF CAPE TOWN
[redacted]

Attention: Director: Water and Sanitation

Dear Sir/Madam

LETTER OF ASSOCIATION

PROJECT - Tender No: 308C/2024/25 Term tender for provision of multi-disciplinary professional services in respect of water reuse projects

We, Alex Stewart and Associates Pty Ltd, hereby confirm our willingness and agreement to entering into a sub-consultancy agreement with Zutari (Pty) Ltd for the above-mentioned project, should the tender be awarded to them.

Yours faithfully

[redacted]

[redacted]
AND
PARTNERS

Architecture & Interior Design
South Africa

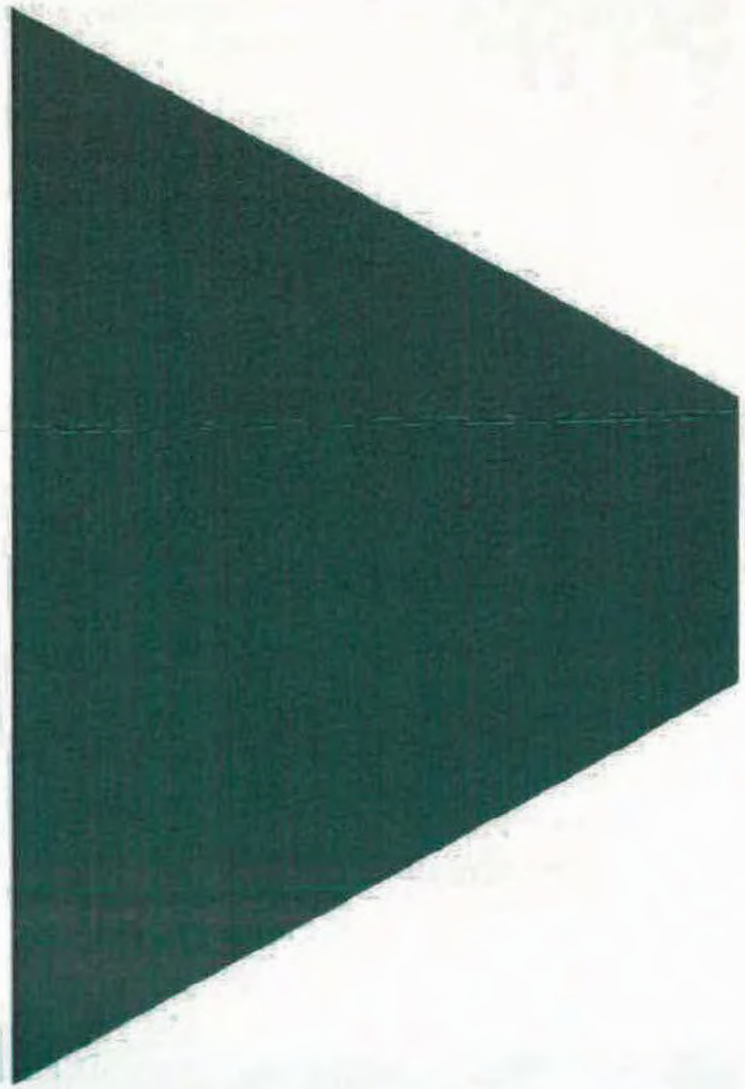
[redacted]

[redacted]

Director

[redacted]

SCHEDULE 12 :
Transaction Advisory/ PPP Specialist



[redacted]

05 August 2025

DIRECTOR: WATER AND SANITATION
CITY OF CAPE TOWN

[redacted]

Attention: Director: Water and Sanitation

Dear Sir/Madam

LETTER OF ASSOCIATION

PROJECT - Tender No: 308C/2024/25 Term tender for provision of multi-disciplinary professional services in respect of water reuse projects

I,John samuel hereby confirm my willingness and agreement to entering into a sub-consultancy agreement with Zutari (Pty) Ltd for the above-mentioned project, should the tender be awarded to them.

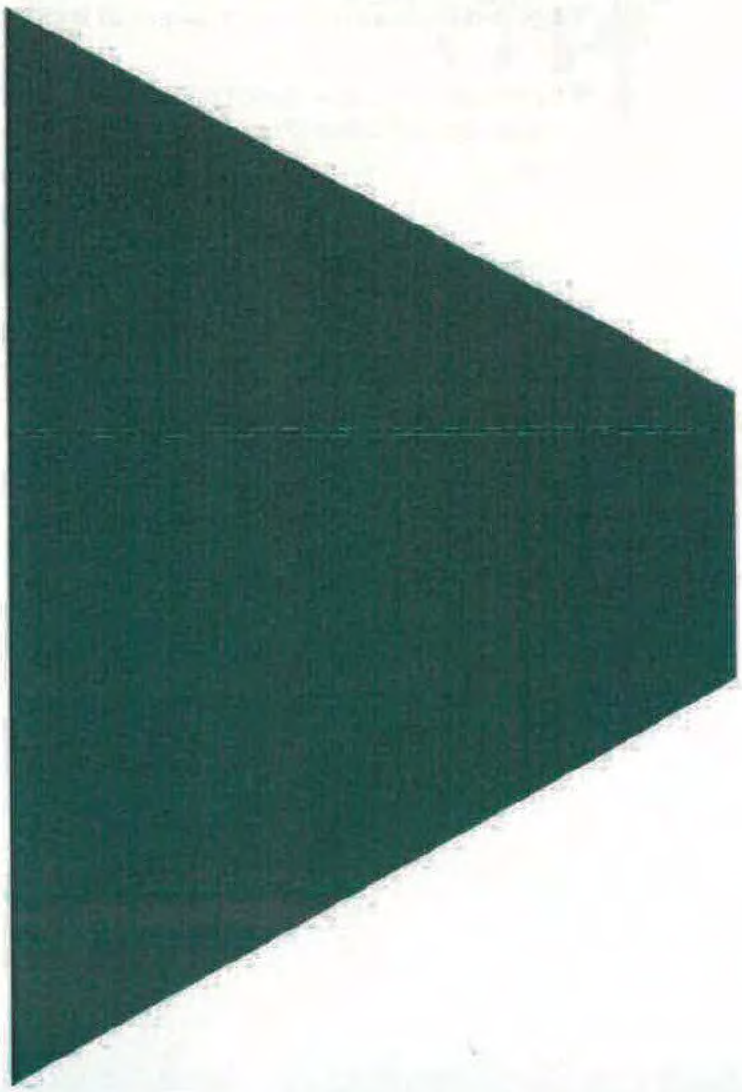
Yours faithfully

[redacted]

Sole Proprietor

[redacted]

SCHEDULE 12 :
Local Government Advisor



[redacted]

PAMS
LOCAL GOVERNMENT CONSULTANCY

24 July 2025

DIRECTOR: WATER AND SANITATION
CITY OF CAPE TOWN
[redacted]

Attention: Director: Water and Sanitation

Dear Sir/Madam

LETTER OF ASSOCIATION

PROJECT - Tender No: 308C/2024/25 Term tender for provision of multi-disciplinary professional services in respect of water reuse projects

We, Pro-active Management Services, hereby confirm our willingness and agreement to entering into a sub-consultancy agreement with Zutari (Pty) Ltd for the above-mentioned project, should the tender be awarded to them.

Yours faithfully

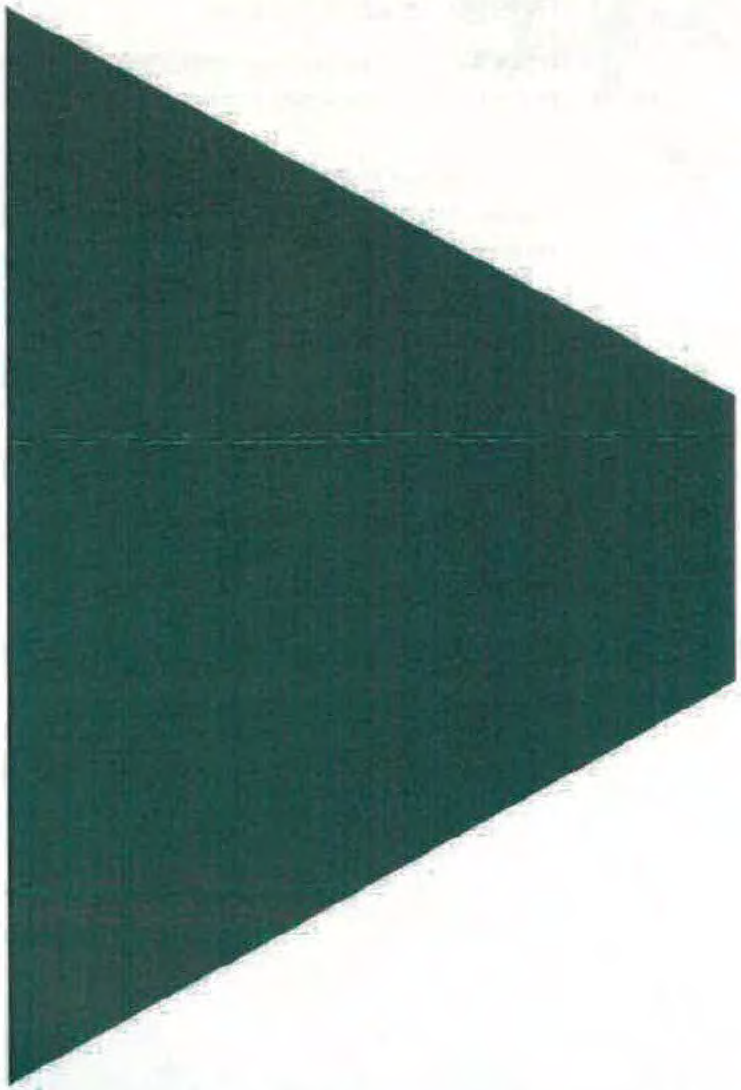
[redacted]

[redacted]
Director

Director [redacted]

Reg. No. CK 89/2832 [redacted]

SCHEDULE 12 :
Financial Advisor



[redacted]

24 July 2025

DIRECTOR: WATER AND SANITATION
CITY OF CAPE TOWN
[redacted]

[redacted] and Sanitation

Dear Sir/Madam

LETTER OF ASSOCIATION

PROJECT - Tender No: 308C/2024/25 Term tender for provision of multi-disciplinary professional services in respect of water reuse projects

I, [redacted], hereby confirm my willingness and agreement to entering into a sub-consultancy agreement with Zutari (Pty) Ltd for the above-mentioned project, should the tender be awarded to them.

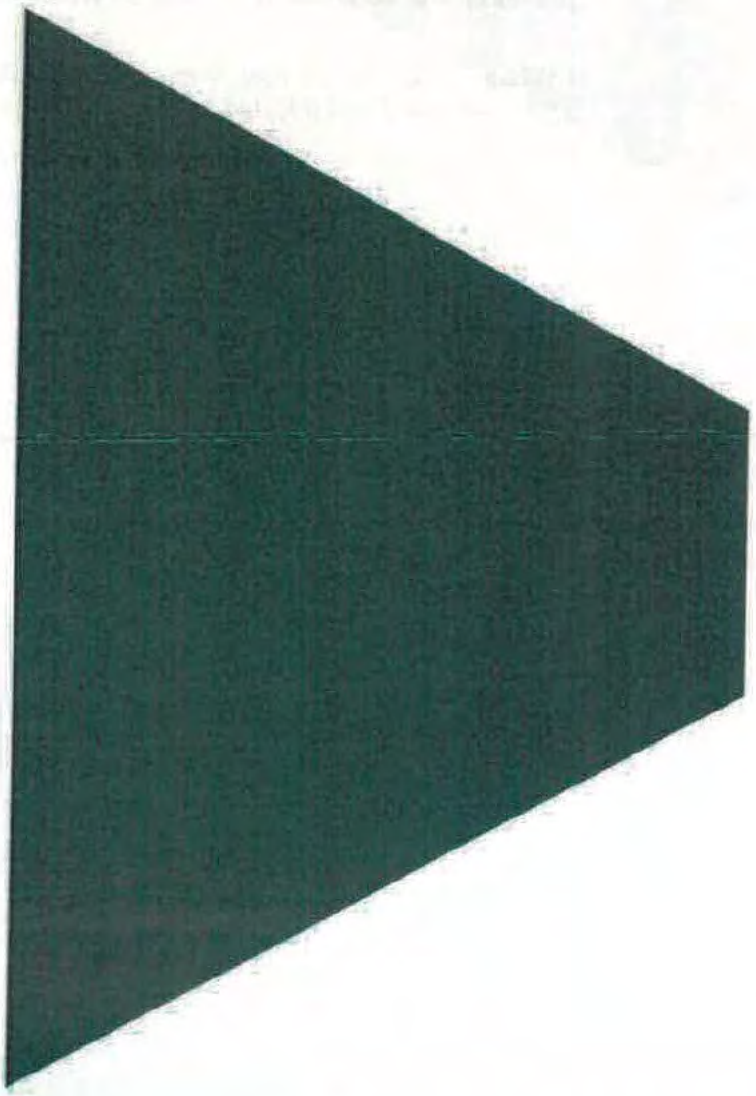
Yours faithfully

[redacted]

Consultant

[redacted]

SCHEDULE 10 : Consultancy Services Provided to Organs of State



Consultancy Services Provided to Organs of State in Last 5 Years

Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date
1	[redacted]	Mossel Bay Upgrading of Informal Settlements Programme (UISP)	South Africa	ZAR 400,000,000	ZAR 47,000,000	Aug 2028
2		Planning, design, procurement and supervision for the construction of approximately 4 500 low cost subsidy erven within the Mossel Bay municipal area	South Africa	ZAR 200,000,000	ZAR 12,296,384	Aug 2028
3		Planning, project management and site supervision for the upgrade of the raw water abstraction, water treatment works (WTW), storage and reticulation infrastructure of the town of Fort Beaufort to increase water supply	South Africa	ZAR 200,000,000	ZAR 44,508,918	Mar 2028
4		NEC 4 Project Manager and Supervisor for the SKA-Mid Telescope Infrastructure Project consisting of electrical, fibre, structural and civil works	South Africa	Confidential	ZAR 77,065,497	Feb 2027
5		Implementation agent (IA) for Thembalethu upgrading of informal settlements programme (UISP): Areas 1 - 8C	South Africa	ZAR 23,265,775	ZAR 15,261,763	Dec 2025

[redacted]

[redacted]

Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date
11	[redacted]	Coffee Bay bulk supply and village reticulation	South Africa	ZAR 427,594,993	ZAR 72,906,748	Dec 2024
12		Construction of Bulk Water Infrastructure, including reservoirs, pump stations, bulk pipelines and borehole developments for 14 settlements within the Steelpoort Valley in the Sekhukhune District Municipality.	South Africa	ZAR 338,384,819	ZAR 30,454,063	Sep 2024
13		Environmental services for the implementation of Phase 1 of Welmoed Estate mixed-use housing development	South Africa	Confidential	ZAR 5,379,485	Sep 2024
14		Design of a heating, ventilation and cooling (HVAC) and wet service for the Unemployment Insurance Fund's (UIF) new head office development	South Africa	Confidential	ZAR 25,290,421	Aug 2024
15		Design, procurement, construction supervision, and contract management for the modelling and implementation of various stormwater master plans in the George South area, including upgrading existing stormwater infrastructure to minimise the risk of flooding in the area	South Africa	ZAR 30,000,000	ZAR 3,489,997	Jul 2024

Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date	
20	[redacted]	Phase 5 of the Ngqamakhwe Regional Water Supply Scheme (RWSS)	South Africa	ZAR 274,707,476	ZAR 80,490,062	Dec 2023	X
21		Strengthening of TR30 Section 2 between Villiersdorp and Worcester (km 12 to km 21.5)	South Africa	Confidential	ZAR 11,068,783	Nov 2023	
22		Detailed design, implementation and site supervision for new infrastructure to increase the City of Cape Town's (CoCT) water treatment and bulk storage capacity	South Africa	Confidential	ZAR 29,295,147	Sep 2023	X
23		Strategic study on the implementation of Water Reuse for the City of Cape Town as part of their adaptive implementation plan	South Africa	Confidential	ZAR 4,366,300	Jul 2023	X
24		Design of a bulk water supply scheme for the town of Senekal	South Africa	ZAR 506,000,000	ZAR 55,343,485	Jul 2023	X
		Faure new water scheme (direct potable reuse of wastewater)	South Africa	ZAR 2,000,000,000	ZAR 123,850,780	Jun 2023	X

	Client	Project description	Country	Capital Cost	Fee Value	End Date
30	[redacted]	Civil engineering design services for the SAPS K9 Academy Roodeplaat, Phase 1B	South Africa	ZAR 124,126,782	ZAR 8,116,324	Mar 2023
31		Conditional assessment and contract documentation for the appointment of contractors to undertake the mechanical and electrical refurbishment of the Homevale wastewater treatment works (WWTW)	South Africa	ZAR 46,728,880	ZAR 4,056,263	Mar 2023
32		Pavement Management System (PMS), Bridge Management System (BMS) and Load Management System (LMS) to optimise infrastructure management and sustaining capital expenditure for transport assets	South Africa	ZAR 50,667,118	ZAR 50,667,118	Dec 2022
33		Design of a 1.8 Ml/day plant capable of treating well field water in Pearston	South Africa	Confidential	ZAR 5,407,292	Dec 2022
34		Planning, design and construction of new reservoirs, pumpstations and the installation of new pipelines connecting the new infrastructure with the existing for the Dwarsrivier Valley. This included a 6 Ml and a 2 Ml reservoir and pump stations and the installation of new pipelines connecting new infrastructure for the town of Kylemore.	South Africa	ZAR 1,000,000	ZAR 5,181,452	Dec 2022

Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date
40	[redacted]	Project management, architectural and structural engineering services for the construction of the top structures which forms part of the Thembalethu Upgrading of Informal Settlements Project (UISP)	South Africa	ZAR 34,000,000	ZAR 4,915,226	Jul 2022
41		Implementation of bulk water master plan for King Cetshwayo District Municipality - Eshowe Sub-Supply Area 1 (SSA1)	South Africa	ZAR 301,935,795	ZAR 33,797,584	Jul 2022
42		Periodic maintenance of Trunk Road 2, Section 2 (TR2/2) near Somerset West	South Africa	ZAR 40,000,000	ZAR 5,945,767	Jul 2022
43		Substation engineering design for Ekurhuleni Atom Substation upgrade	South Africa	ZAR 7,496,234	ZAR 7,611,734	Jun 2022
44		Advisory and planning support on drought related interventions for the Amathole District Municipality	South Africa	ZAR 4,428,944	ZAR 4,428,944	Jun 2022
45		Detailed design for the replacement and upgrade of Voëlvlei high lift pump station (HLPS) including replacement of pumps	South Africa	ZAR 113,578,000	ZAR 5,923,252	Jun 2022

[redacted]

Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date
51	[redacted]	Disaster damage assessment and cost verification for the National Disaster Management Centre (NDMC)	South Africa	ZAR 16,119,824	ZAR 16,119,824	Mar 2022
52		Public transport network design for the George Integrated Public Transport Network (IPTN)	South Africa	Confidential	ZAR 27,834,900	Mar 2022
53		Application of the Water Sensitive Cities Index and Transitions Dynamics Framework to the City of Cape Town to benchmark the CoCT as a Water Sensitive City and identify priority actions.	South Africa	Confidential	ZAR 3,953,846	Mar 2022
54		Planning and implementation of the Kei Road Water Treatment Works (WTW) and Conveyance Project for the treatment of raw water from the Wriggleswade Dam and distribution to areas within Buffalo City Metropolitan Municipality	South Africa	ZAR 320,000,000	ZAR 23,388,285	Feb 2022
55		Refurbishment of existing Mokopane wastewater treatment works (WWTW) and construction of new bulk drainage lines to the new 10 Ml/d Mogalakwena WWTW	South Africa	Confidential	ZAR 35,287,462	Feb 2022

Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date
62	[redacted]	Upgrading and extension of the Wellington wastewater treatment works (WWTW) to 16 Ml/d	South Africa	ZAR 280,000,000	ZAR 33,300,000	Jul 2021
63		Development of Capital Expenditure Frameworks (CEFs) for four Local Municipalities – Intermediate Cities Support Programme	South Africa	Confidential	ZAR 3,580,500	Jul 2021
64		Design, asset management, project management and refurbishment of the Steenbras hydropower pumped storage scheme	South Africa	Confidential	ZAR 27,169,449	Jun 2021
65		Full professional services, including construction supervision, provided to the City of Cape Town in assessing the condition, evaluating available rehabilitation techniques and managing of the rehabilitation of the Cape Flats 1 and 2 Bulk Sewers	South Africa	ZAR 350,000,000	ZAR 8,499,178	Jun 2021
66		Engineering services for the upgrading of Dordrecht water and sanitation services	South Africa	ZAR 1,300,000,000	ZAR 18,656,392	Jun 2021
67		Infrastructure programme implementer to assist with planning, monitoring and reporting on new and existing infrastructure builds, upgrades, and refurbishments including also the Expanded Public Works Programmes (EPWP), up to 31 March 2021	South Africa	ZAR 152,000,000	ZAR 8,695,652	Jun 2021

[redacted]

[redacted]

ZUTARI

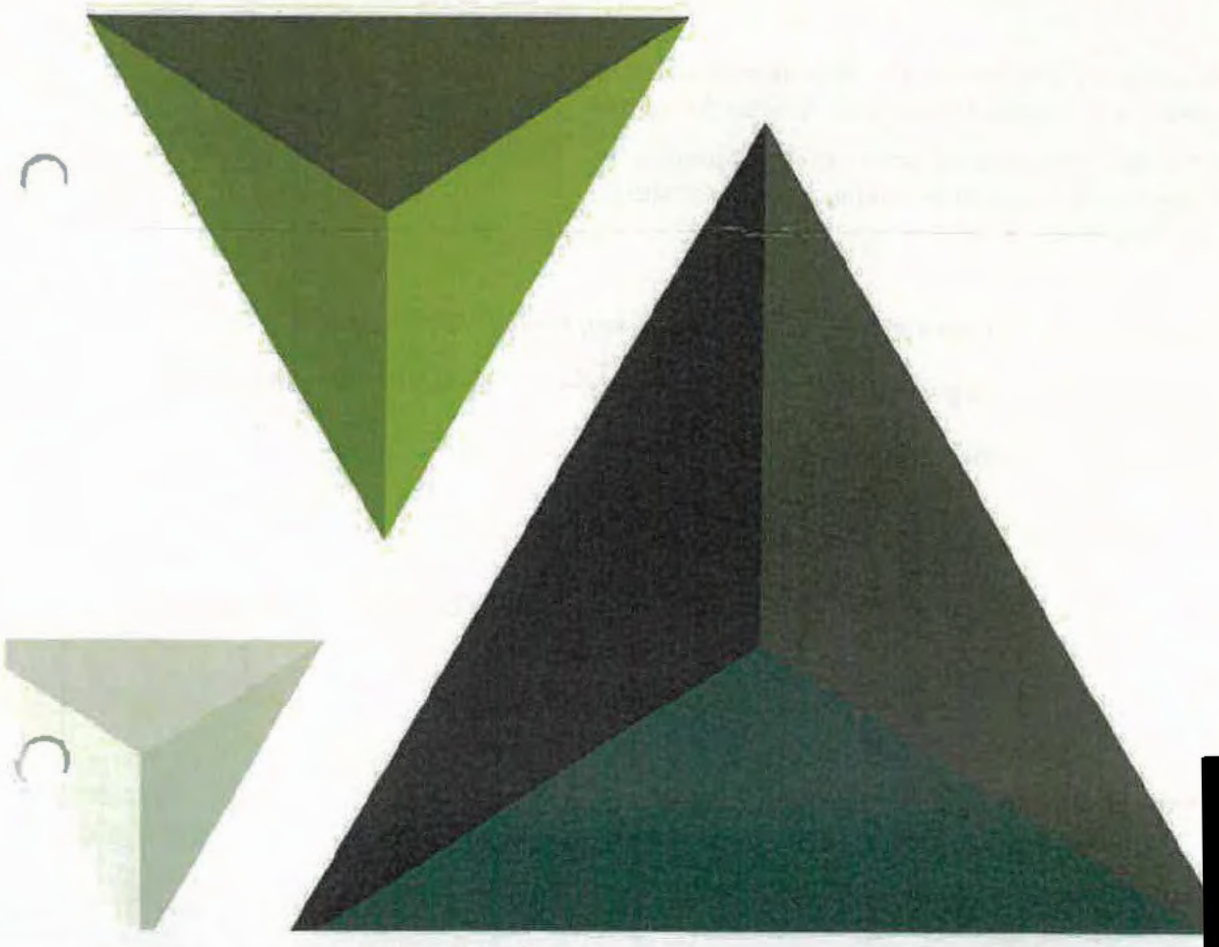
Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date
74	[redacted]	One of four consultants on the Department of Water and Sanitation (DWS) panel of consultants to undertake groundwater studies in response to the drought crisis in the Western Cape Province	South Africa	ZAR 8,000,000	ZAR 7,125,750	Dec 2020
75		Deployment, training, support and maintenance of a disaster management information system for Eastern Cape Provincial Disaster Management	South Africa	ZAR 9,684,432	ZAR 9,684,432	Oct 2020
76		Design and supervision of the construction of a recreational facility	South Africa	ZAR 11,383,530	ZAR 4,227,852	Oct 2020
77		Multidisciplinary engineering services, quantity surveying and project management for new shopping stalls for traders market in Botshabelo	South Africa	ZAR 29,629,790	ZAR 7,618,559	Jul 2020
78		Review and updating of the Buffalo City Metropolitan Municipality (BCMM) integrated rapid public transport network (IRPTN) plan	South Africa	Confidential	ZAR 10,869,386	Jun 2020

Nr	Client	Project description	Country	Capital Cost	Fee Value	End Date
85	[redacted]	Reconnaissance level investigation of potential options of wastewater for potable use, screening and selection of the better options, and a pre-feasibility level investigation of some options	South Africa	Confidential	ZAR 5,021,495	Dec 2019
86		Civil and structural services for the construction of the new Stofland Primary School and the Worcester High School	South Africa	ZAR 70,000,000	ZAR 6,276,547	Dec 2019
87		Design and procurement of the upgrading of the existing water supply scheme in Madibogo	South Africa	ZAR 120,000,000	ZAR 6,684,977	Dec 2019
88		Project management and water engineering services undertaken for the Nelson Mandela Bay Municipality (NMBMM) drought intervention project	South Africa	Confidential	ZAR 3,600,000	Dec 2019
89		Assessment, reporting and supervision to assist the City of Cape Town managing and consolidating of its stormwater management function	South Africa	ZAR 4,206,997	ZAR 4,206,997	Dec 2019

[redacted]

	Client	Project description	Country	Capital Cost	Fee Value	End Date
95	[redacted]	Design, procurement and construction management of a new wastewater treatment facility to replace the existing oxidation pond system at Sannieshof	South Africa	ZAR 65,000,000	ZAR 5,122,228	Jul 2019
96		Design and construction supervision for the Ohlanga sewage transfer scheme	South Africa	ZAR 15,289,986	ZAR 15,289,986	Jul 2019
97		Programme management of the South African National Biodiversity Institute's (SANBI's) infrastructure programme	South Africa	ZAR 150,000,000	ZAR 8,218,795	Jul 2019
98		Transaction advisory services to develop a feasibility study on alternative waste treatment technology in order to minimise solid waste to landfill	South Africa	ZAR 16,000,000	ZAR 10,093,722	Jul 2019
99		Environmental planning and compliance for the Working for Wetlands Programme for the period 2017 to 2019	South Africa	Confidential	ZAR 22,983,478	Apr 2019
100		Project monitoring and support unit (PMSU) for the National Department of Health	South Africa	ZAR 8,000,000,000	ZAR 44,684,628	Mar 2019

Company registration certificates



Bladsy Een

Republiek van Suid-Afrika
Maatskappywet 1973
(Artikel 64)

Republic of South Africa
Companies Act 1973
(Section 64)

Vorm/Form CM 1

Registrasienommer van Maatskappy/Registration No. of Company

77 03711 /07

Sertifikaat van Inlywing

van 'n Maatskappy met 'n aandelekapitaal

Certificate of Incorporation

of a Company having a share capital

Hierby word gesertifiseer dat/This is to certify that

[redacted]

Registrateur van Maatskappye/Registrar of Companies

[redacted]

REPUBLIC OF SOUTH AFRICA
COMPANIES ACT, 1973

Form CM 46

Certificate

to commence business

(Section 172

[redacted]

I hereby certify that [redacted]

which was incorporated on the 11de day of November, one thousand nine hundred and

Sewentig has complied with the requirements of section 172 of the Act and is with effect from this day entitled to commence business.

Signed and sealed at Pretoria this 11de day of November, one thousand nine hundred and

sewentig

Registrar of Companies

Seal of Companies Registration Office

This certificate is not valid unless sealed by the Seal of the Companies Registration Office.

[redacted]

Republic of South Africa
Companies Act, 1973, Section 44(1)(b)

Republiek van Suid-Afrika
Maatskappywet, 1973, Artikel 44(1)(b)

Form/Vorm CM9

02

Registration No. of company/Registrasienommer van maatskappy

77 03711/07

Certificate of change of name of company

Sertifikaat van verandering van naam van maatskappy



This is to certify that/Hierby word gesertifiseer dat

HOEWE 73 ANNLIN UITBREIDING 8 (EIENDOMS) BEPERK

has changed its name by SPECIAL RESOLUTION and is now called
sy naam verander het by SPESIALE BESLUIT en nou genoem word

MULTITOETS (EIENDOMS) BEPERK

and that the new name has this day been entered in the Register of Companies.
en dat die nuwe naam op hierdie dag in die Register van Maatskappye aangeteken is.

Signed and sealed at Pretoria, this/Geteken en geseël te Pretoria op hede die 25th

day of/dag van [redacted]

One Thousand Nine Hundred and/Eendu[redacted]

[redacted]ye

Seal of Companies Registration Office
Seël van Registrateur van Maatskappye

[redacted]

Republic of South Africa
Companies Act, 1973, Section 44(1)(b)

Republiek van Suid-Afrika
Maatskappywet, 1973, Artikel 44(1)(b)

Form/Vorm CM9

Registration No. of company/Registrasienommer van maatskappy

77/03711/07

Certificate of change of name of company

Sertifikaat van verandering van naam van maatskappy

This is to certify that/Hierby word gesertifiseer dat

MULTITOETS (EIENDOMS) BEPERK

has changed its name by SPECIAL RESOLUTION and is now called
sy naam verander het by SPESIALE BESLUIT en nou genoem word

MULTITEST (EIENDOMS) BEPERK

and that the new name has this day been entered in the Register of Companies.
en dat die nuwe naam op hierdie dag in die Register van Maatskappye aangeteken is.

Signed and sealed at Pretoria, this/Geteken en geseël te Pretoria op hede di[redacted]

day of/dag van September

One Thousand Nine Hundred and/Eenduisend Negehonderd [redacted]

Registrar of C[redacted]

Seal of Companies Registration Office
Seël van Registrateur van Maatskappye

[redacted]

Republic of South Africa
Companies Act, 1973, Section 44(1)(b)

Republiek van Suid-Afrika
Maatskappywet, 1973, Artikel 44(1)(b)

Form/Vorm CM9

Registration No. of company/Registrasienommer van maatskappy

77/03711/07

Certificate of change of name of company

Sertifikaat van verandering van naam van maatskappy

This is to certify that/Hierby word gesertifiseer dat

MULTITEST (EIENDOMS) BEPERK

has changed its name by SPECIAL RESOLUTION and is now called
sy naam verander het by SPESIALE BESLUIT en nou genoem word

AFRICON MATERIALS (PTY) LTD

and that the new name has this day been entered in the Register of Companies.
en dat die nuwe naam op hierdie dag in die Register van Maatskappye aangeteken is.

Signed and sealed at Pretoria, this/Geteken en geseël te Pretoria op hede die 4

day of/dag van [redacted]

One Thousand Nine Hundred and/Eenduisend Negehonderd [redacted]

[redacted]

Registrar of Companies/Re[redacted]

Seal of Companies Registration Office
Seël van Registrateur van Maatskappye

[redacted]

J1

n South Africa
panies Act, 1973, Section 44(1)(b)

Republiek van Suid-Afrika
Maatskappywet, 1973, Artikel 44(1)(b)

Form/Vorm CM9

REGISTRATEUR VAN ...
EN VAN BESLOTE KORP...

1999 -04- 15

REGISTRAR OF C...
AND OF CLOSE ...

77/03711/07

Registration No. of company/Registrasienommer van maatskappy

Certificate of change of name of company

Sertifikaat van verandering van naam van maatskappy

This is to certify that/Hierby word gesertifiseer dat

AFRICON MATERIALS (PTY) LTD

has changed its name by SPECIAL RESOLUTION and is now called
sy naam verander het by SPESIALE BESLUIT en nou genoem word

AFRICON MANAGEMENT SERVICES (PTY) LTD

and that the new name has this day been entered in the Register of Companies.
en dat die nuwe naam op hierdie dag in die Register van Maatskappye aangeteken is.

Signed and sealed at Pretoria, this/Geteken en geseël te Pretoria op hede die 19

day of/dag van Apr

One Thousand Nine Hundred and/Eenduisend Negehonderd NINETY NINE

[redacted]

Registrar of Companies/Registrateur van Maatskappye

Seal of Companies Registration Office
Seël van Registrateur van Maatskappye

[redacted]

Form/Vorm CM9

Republic of South Africa
Companies Act, 1973, Section 44(1)(b)

Republiek van Suid-Afrika
Maatskappywet, 1973, Artikel 44(1)(b)

Registration No. of company/
Registrasienommer van maatskappy

[redacted]

Client Ref: [redacted]

R30

Certificate of change of name of company

Sertifikaat van verandering van naam van maatskappy

This is to certify that/Hierby word gesertifiseer dat

Africon Management Services (Pty) Ltd

has changed its name by SPECIAL RESOLUTION and is now called
sy naam verander het by SPESIALE BESLUIT en nou genoem word

Africon (Pty) Ltd

and that the new name has this day been entered in the Register of Companies.
en dat die nuwe naam op hierdie dag in die Register van Maatskappye aangeteken is.

Signed and sealed at Pretoria, this/Geteken en geseël te Pretoria op hede die 18 day of/dag van January Two Thousand and / Twee Duisend 2005

[redacted]

Registrar of Companies/Registrateur van Maatskappye

Seal of Companies Registration Office
Seël van Registrateur van Maatskappye

[redacted]

Form/Vorm CM9

Republic of South Africa
Companies Act, 1973, Section 44(1)(b)

Republiek van Suid-Afrika
Maatskappywet, 1973, Artikel 44(1)(b)

Registration No. of company/
Registrasienommer van maatskappy
[redacted]

Client Ref:	GRPLEG
R30	

REGISTRATION OF
EN VAN
13 -03- 2009
REGISTRAR OF
AND OF CLOSE CORP

Certificate of change of name of company

Sertifikaat van verandering van naam van maatskappy

This is to certify that/Hierby word gesertifiseer dat

AFRICON (PROPRIETARY) LIMITED

has changed its name by SPECIAL RESOLUTION and is now called
sy naam verander het by SPESIALE BESLUIT en nou genoem word

AURECON SOUTH AFRICA (PROPRIETARY) LIMITED

and that the new name has this day been entered in the Register of Companies.
en dat die nuwe naam op hierdie dag in die Register van Maatskappye aangeteken is.

Signed and sealed at Pretoria, this/Geteken en geseël te Pretoria op hede die 17 day of/dag van March Two Thousand and / Twee Duisend 2009

[redacted]

Seal of Companies Registration Office
Seël van Registrateur van Maatskappye

CoR 14.3

Companies and Intellectual Property Commission

a member of the dti group

Date: 09/07/2020

Our Reference: [redacted]

[redacted]

[redacted]GE

RE: Amendment to Company Information
Company Number: [redacted]
Company Name: **ZUTARI (PTY) LTD**

We have received a COR15.2 (Amendment of Memorandum of Incorporation) from you dated 09/07/2020.

The COR15.2 was accepted and placed on file.

The name was changed from
AURECON SOUTH AFRICA to ZUTARI.

Yours truly

Commissioner: CIPC

Please Note:

The attached certificate can be validated on the CIPC web site at www.cipc.co.za.
The contents of the attached certificate was electronically transmitted to the South African Revenue Services.

The Companies and Intellectual Property Commission

of South Africa

[redacted]

[redacted]

Companies and Intellectual Property Commission

a member of the dti group

COMPANIES AND INTELLECTUAL PROPERTY COMMISSION
REPUBLIC OF SOUTH AFRICA

Form COR14.3 - Amended Registration Certificate

Effective date: 09/07/2020
Print date: 09/07/2020
Customer code: [redacted]
Tracking number: 9276297855

Concerning:

ZUTARI (PTY) LTD 1977/003711/07

The above company has filed an amendment of its Memorandum of Incorporation in terms of section 16 of the Companies Act, 2008, changing the company name from
AURECON SOUTH AFRICA
to ZUTARI (PTY) LTD.
In accordance with the Notice of Amendment of the Memorandum of Incorporation, the change of the company name takes effect on 09/07/2020.
In conjunction with this certificate, the Commission has not issued another notice contemplated in section 12 (3).

Commissioner: CIPC

The Companies and Intellectual Property Commission
of South Africa

[redacted]

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9 2 7 6 2 9 7 8 5 5

[redacted]

Certificate issued by the Companies and Intellectual Property Commission on Thursday, July 09, 2020 02:00
Certificate of Confirmation

Companies and Intellectual Property Commission
a member of the dti group

Registration number	[redacted]
Enterprise Name	**ZUTARI (PTY) LTD**
Enterprise Shortened Name	**None provided.**
Enterprise Translated Name	**None provided.**
Registration Date	**11/11/1977**
Business Start Date	**11/11/1977**
Enterprise Type	**Private Company**
Enterprise Status	**In Business**
Financial year end	**June**
Main Business/Main Object	**TO CARRY BUSINESS IN THE DEVELOPMENT AND MANAGEMENT OF INFRASTRUCTURE AND RELATED FIELDS,TO PROVIDE PROFESSIONAL TECHNICAL AND MANAGEMENT SERVICES**
Postal address	[redacted]
Address of registered office	[redacted]

The Companies and Intellectual Property Commission

[redacted]

[redacted]

CoR 14.3

Certificate issued by the Companies and Intellectual Property Commission on Thursday, July 09, 2020 02:00
Certificate of Confirmation

Companies and Intellectual Property Commission
a member of the dti group

Registration number [redacted]

Enterprise Name ZUTARI (PTY) LTD

Auditor
Name
Postal Address [redacted]

Active Directors / Officers

Surname and first names	ID number or date of birth	Director type	Appoint-ment date	Addresses
[redacted]	[redacted]	Director	01/01/2020	[redacted]
[redacted]	[redacted]	irector	16/09/2019	
		rector	07/09/2018	
		rector	01/09/2016	
[redacted]	[redacted]	Director	01/09/2010	[redacted]
		Director	16/03/2009	
		Company Secretary	01/01/2006	

The Companies and Intellectual Property Commission
of South Africa

[redacted]

COR39

Companies and Intellectual Property Commission

a member of the dti group

Date: 17/10/2022

Our Reference: [redacted]

[redacted]

RE: Amendment to Company Information
Company Number: [redacted]
Company Name: ZUTARI (PTY) LTD

We have received a COR39 (Notice of change of company directors) from you dated 17/10/2022.

The COR39 was accepted and placed on file.

[redacted]

Yours truly

Commissioner: CIPC

Please Note:

The attached certificate can be validated on the CIPC web site at www.cipc.co.za.

The Companies and Intellectual Property Commission

of South Africa

[redacted]

[redacted]

COR39

The contents of the attached certificate was electronically transmitted to the South African Revenue Services.

Companies and Intellectual Property Commission

a member of the dti group

The Companies and Intellectual Property Commission

of South Africa

[redacted]

[redacted]

Certificate issued by the Companies and Intellectual Property Commission on Monday, October 17, 2022 01:58
Certificate of Confirmation

Companies and Intellectual Property Commission
a member of the dti group

Registration number	[redacted]
Enterprise Name	**ZUTARI (PTY) LTD**
Enterprise Shortened Name	**None provided.**
Enterprise Translated Name	**None provided.**
Registration Date	**11/11/1977**
Business Start Date	**11/11/1977**
Enterprise Type	**Private Company**
Enterprise Status	**In Business**
Financial year end	**June**
Main Business/Main Object	**TO CARRY BUSINESS IN THE DEVELOPMENT AND MANAGEMENT OF INFRASTRUCTURE AND RELATED FIELDS,TO PROVIDE PROFESSIONAL TECHNICAL AND MANAGEMENT SERVICES**
Postal address	[redacted]
Address of registered office	

The Companies and Intellectual Property Commission
of South Africa

[redacted]

[redacted]

COR39

Certificate issued by the Companies and Intellectual Property Commission on Monday, October 17, 2022 01:58
Certificate of Confirmation

Companies and Intellectual Property Commission
a member of the dti group

Registration number [redacted]

Enterprise Name ZUTARI (PTY) LTD

Auditor
Name
Postal Address [redacted]

Active Directors / Officers

Surname and first names	ID number or date of birth	Director type	Appointment date	Addresses
[redacted]	80	Director	12/10/2022	[redacted]
	32	Director	01/07/2022	
	3	Director	01/07/2022	
		Director	01/03/2021	
		Director	01/01/2020	
		Director	16/09/2019	

The Companies and Intellectual Property Commission
[redacted]

[redacted]

COR39

Certificate issued by the Companies and Intellectual Property Commission on Monday, October 17, 2022 01:58

Certificate of Confirmation

Companies and Intellectual Property Commission

Active Directors / Officers

Surname and first names	ID number or date of birth	Director type	Appoint-ment date	Addresses
[redacted]		Director	01/09/2016	[redacted]
		Director	16/03/2009	
		Company Secretary	01/01/2006	

The Companies and Intellectual Property Commission of South Africa

[redacted]

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 19 March 2024 at 11:43

Companies and Intellectual Property Commission
a member of the dtic group

COR39: Director Amendments

Registration Number: [redacted]
Enterprise Name: ZUTARI (PTY) LTD

Date: 19/03/2024
Our Reference: [redacted]
Customer Name:
Email Address:

RE: Amendment to Company Information

Registration Number: [redacted]
Enterprise Name: **ZUTARI (PTY) LTD**

We have received a COR39 (Notice of change of company directors) from you dated **18/03/2024**

The following change was effected to Director:

DIRECTOR [redacted]
DIRECTOR
DIRECTOR
DIRECTOR
DIRECTOR
- STATUS
- TITLE N/A
- GENDER
- DISABILITY
- DEMOGRA
- POST COU

DIRECTOR
DIRECTOR
DIRECTOR

Yours truly

CIPC Commissioner

[redacted]

[redacted]

60001406978

1

[redacted]

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 19 March 2024 at 11:43

Companies and Intellectual Property Commission
a member of the dtic group

COR39: Director Amendments

Registration Number: [redacted]
Enterprise Name: ZUTARI (PTY) LTD

ENTERPRISE DETAILS

Registration Number:	[redacted]
Enterprise Name:	ZUTARI (PTY) LTD
Registration Date:	11/11/1977
Business Start Date:	11/11/1977
Enterprise Type:	PRIVATE COMPANY
Enterprise Status:	IN BUSINESS
Financial Year End:	JUNE
Main Business/Main Object:	TO CARRY BUSINESS IN THE DEVELOPMENT AND MANAGEMENT OF INFRASTRUCTURE AND RELATED FIELDS,TO PROVIDE PROFESSIONAL TECHNICAL AND MANAGEMENT SERVICES
Tax Number:	[redacted]
Address:	POSTAL ADDRESS [redacted] ADDRESS OF REGISTERED OFFICE [redacted]
Location of Company Records:	[redacted]

ACTIVE DIRECTORS/MEMBERS

[redacted]

60001406978

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 19 March 2024 at 11:43

Companies and Intellectual Property Commission
a member of the dtic group

COR39: Director Amendments

Registration Number: [redacted]

Enterprise Name: **ZUTARI (PTY) LTD**

Full Name	Director Type	ID Number/ Passport Number	Appointment Date	Address
[redacted]	DIRECTOR	[redacted]	01/03/2021	[redacted]
[redacted]	DIRECTOR	[redacted]	01/07/2022	
[redacted]	DIRECTOR	[redacted]	16/03/2009	
[redacted]	DIRECTOR	[redacted]	01/09/2016	
[redacted]	DIRECTOR	[redacted]	01/07/2022	

[redacted]

1977/003711/07

60001406978

[redacted]

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 19 March 2024 at 11:43

Companies and Intellectual Property Commission
a member of the dtic group

COR39: Director Amendments

Registration Number: [redacted]

Enterprise Name: ZUTARI (PTY) LTD

[redacted]	DIRECTOR	[redacted]	01/01/2020
[redacted]	COMPANY SECRETARY	[redacted]	01/01/2006
[redacted]	DIRECTOR	[redacted]	16/09/2019

[redacted]

[redacted]

60001406978

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 23 July 2024 at 13:33

Companies and Intellectual Property Commission
a member of the dtic group

COR39: Director Amendments

Registration Number: [redacted]
Enterprise Name: ZUTARI (PTY) LTD

Date: 23/07/2024
Our Reference: [redacted]
Customer Name:
Email Address:

RE: Amendment to Company Information

Registration Number: 1977/003711/07
Enterprise Name: ZUTARI (PTY) LTD

We have received a COR39 (Notice of change of company directors) from you dated 23/07/2024

The following change was effected to Di

DIRECTOR [redacted]
DIRECTOR NTMENT
DIRECTOR
DIRECTOR CHANGE
DIRECTOR
DIRECTOR GE
DIRECTOR
DIRECTOR

Yours truly

CIPC Commissioner

[redacted]

[redacted]

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 23 July 2024 at 13:33

Companies and Intellectual Property Commission
a member of the dtic group

COR39: Director Amendments

Registration Number: [redacted]
Enterprise Name: ZUTARI (PTY) LTD

ENTERPRISE DETAILS

Registration Number:	[redacted]
Enterprise Name:	ZUTARI (PTY) LTD
Registration Date:	11/11/1977
Business Start Date:	11/11/1977
Enterprise Type:	PRIVATE COMPANY
Enterprise Status:	IN BUSINESS
Financial Year End:	JUNE
Main Business/Main Object:	TO CARRY BUSINESS IN THE DEVELOPMENT AND MANAGEMENT OF INFRASTRUCTURE AND RELATED FIELDS,TO PROVIDE PROFESSIONAL TECHNICAL AND MANAGEMENT SERVICES
Tax Number:	[redacted]
Address:	
Location of Company Records:	

ACTIVE DIRECTORS/MEMBERS

[redacted]

[redacted]

60002061458

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 23 July 2024 at 13:33

Companies and Intellectual Property Commission
a member of the dtic group

COR39: Director Amendments

Registration Number: [redacted]

Enterprise Name: ZUTARI (PTY) LTD

Full Name	Director Type	ID Number/ Passport Number	Appointment Date	Address
[redacted]	DIRECTOR	[redacted]	01/03/2021	[redacted]
[redacted]	DIRECTOR	[redacted]	01/07/2022	
[redacted]	DIRECTOR	[redacted]	16/03/2009	
[redacted]	DIRECTOR	[redacted]	1/09/2016	
[redacted]	DIRECTOR	[redacted]	15/07/2024	
[redacted]	CTOR	[redacted]	01/07/2022	

[redacted]

COR39 Certificate issued by the Commissioner of Companies and Intellectual Property Commission on Tuesday, 23 July 2024 at 13:33

Companies and Intellectual Property Commission

a member of the dtic group

COR39: Director Amendments

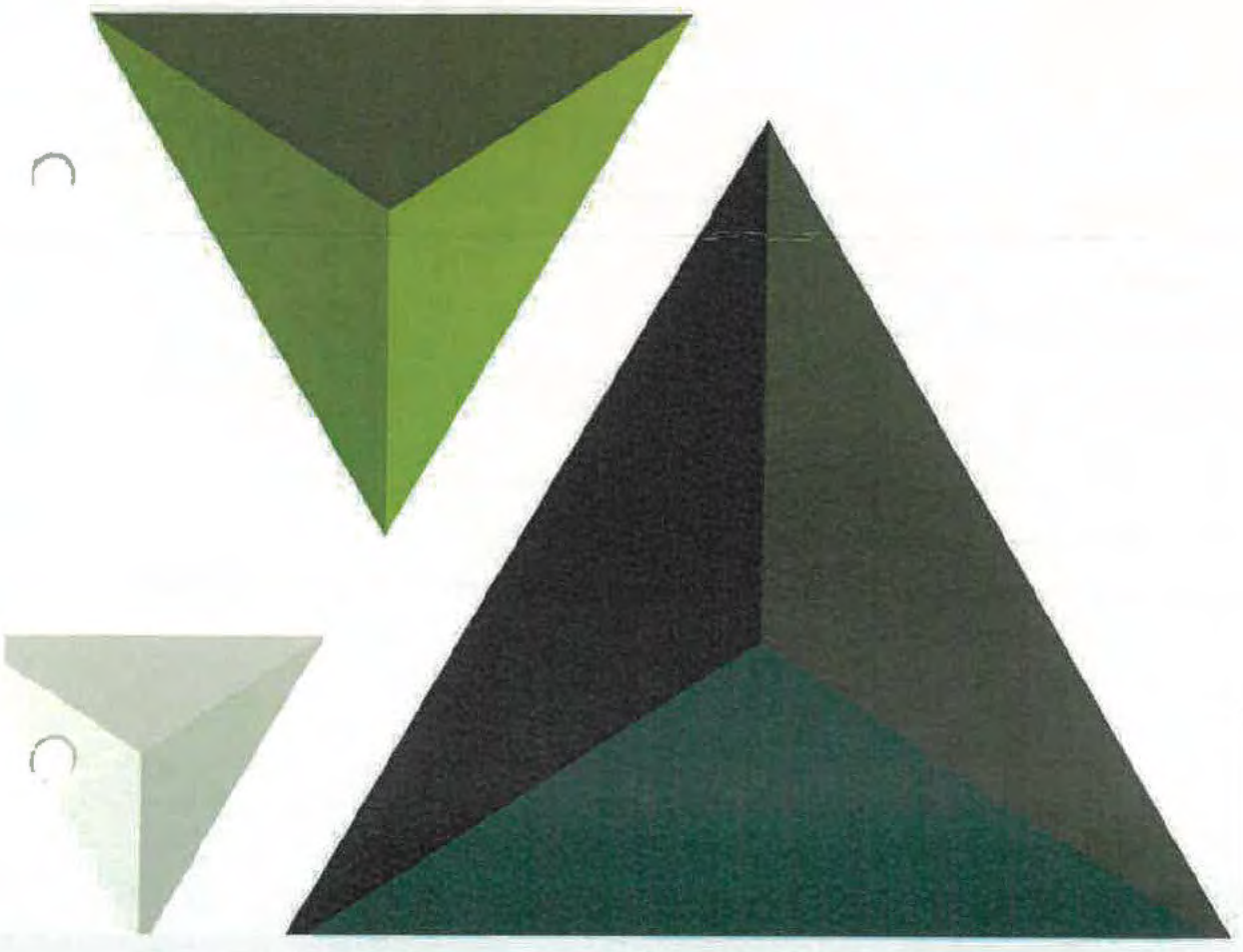
Registration Number: [redacted]

Enterprise Name: ZUTARI (PTY) LTD

[redacted]	DIRECTOR	[redacted]	01/01/2020	[redacted]
[redacted]	COMPANY SECRETARY	[redacted]	01/01/2006	
[redacted]	DIRECTOR	[redacted]	16/09/2019	

Physical Address [redacted]

VAT registration



South African Revenue Service

VALUE ADDED TAX
Notice of Registration

[redacted]

Enquiries should be addressed to SARS

Contact Detail

SARS
Alberton
1528

[redacted]

Details

Taxpayer Reference No: [redacted]

Always quote this reference number when contacting SARS

Date: 2020-09-17

Electronic Certification
SARS
South African Revenue Service
Certified as a true copy and there is no indication that the original has been amended by any unauthorised person
2020-09-17

Dear Taxpayer

NOTICE OF REGISTRATION

The South African Revenue Service (SARS) confirms registration of the following taxpayer:

Registered name: ZUTARI (PTY) LTD
Trading name: ZUTARI (PTY) LTD
Taxpayer registration numbe[redacted]
Taxpayer reference number: [redacted]
Date of Registration: [redacted]

Your tax obligation

The taxpayer has been registered for Value-Added Tax with effect from 19910930 and a 12 month(s) tax period with the following category has been allocated:

The last day of each of the twelve months of the calendar year.

The taxpayer must use the invoice basis to account for the tax payable.

Payments in respect of VAT must be made under cover of a VAT 201 return to SARS by the 25th of the month after the end of the tax period. eFilers have until the last business day of the month to make payment. If payment is not paid in full by the due date, a ten percent penalty and interest at the prescribed rate is levied.

Where the payment date falls on a weekend or public holiday, the due date is the last preceding business day.

Kindly notify SARS of any change to your registered particulars within 21 business days of such change.

Should you have any queries please call the SARS Contact Centre on 0800 00 7277. Remember to have your taxpayer reference number at hand when you call to enable us to assist you promptly.

Sincerely

[redacted]

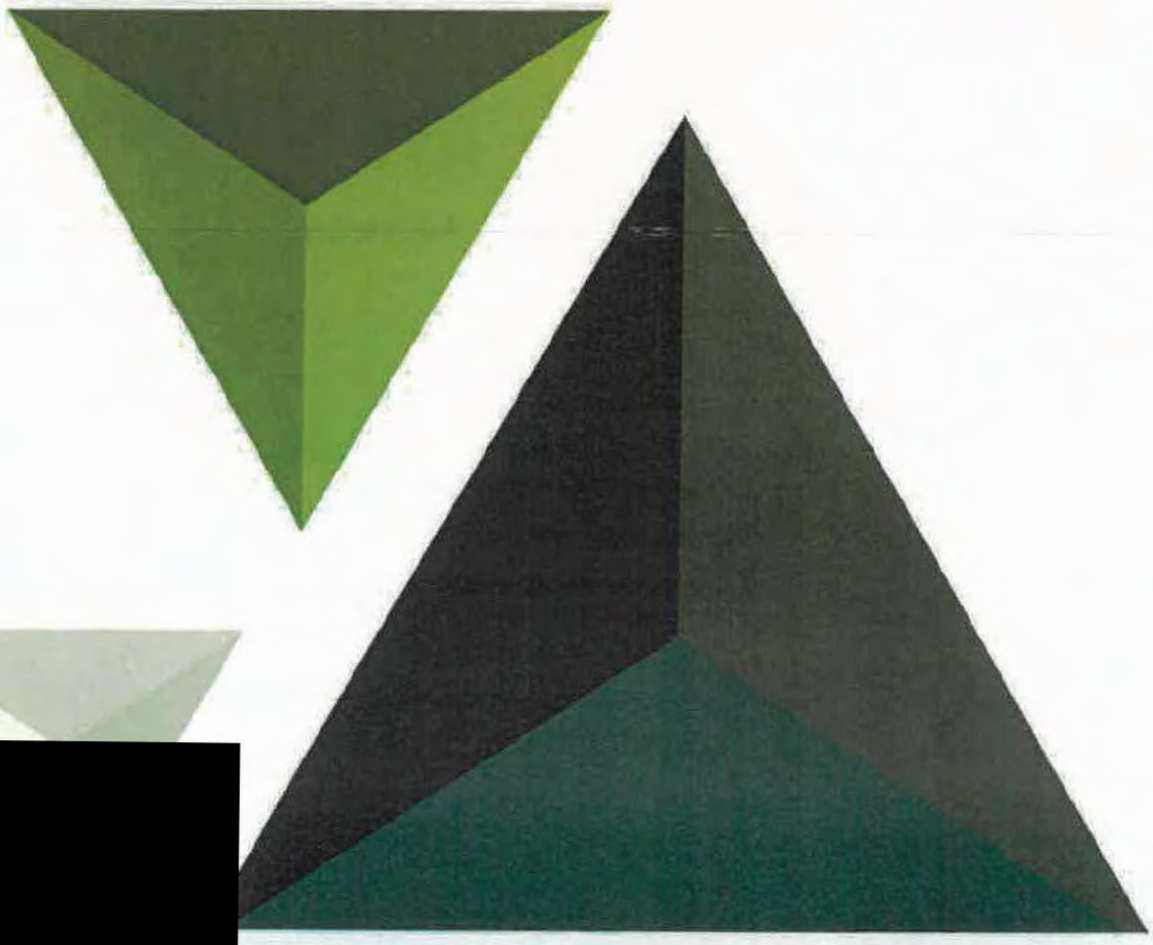
[redacted]

ISSUED ON BEHALF OF THE COMMISSIONER OF THE SOUTH AFRICAN REVENUE SERVICE

ZUTARI (PTY) LTD
4320108703
RFDREG
RFDREG

2260
2020
02/02
RFD

CSD Report – Cape Town



[redacted]

CENTRAL SUPPLIER DATABASE
FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.758 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

SUPPLIER IDENTIFICATION

Supplier number	MAAA0015863	Have Bank Account	Yes
Is supplier active?	Yes	Total annual turnover	[redacted]
Allow associates?	Yes	Financial year start date	
Supplier type	CIPC Company	Registration date	
Supplier sub-type	Private Company (Pty)(Ltd)	Created by	
Legal name	ZUTARI	Created date	
Trading name	Zutari (Pty) Ltd	Edit by	
Identification type	South African Company/Close Corporation Registration Number	Edit date	
Government breakdown	Private Companies (Pty) (Ltd)	Restricted Supplier	No
Business status	In Business	Restricted Director	No
Country of origin	South Africa	Government Employee	No
South African company/CC registration number	1977/003711/07		

SUPPLIER INDUSTRY CLASSIFICATION INFORMATION

INDUSTRY CLASSIFICATION 1

Main group	Construction		
		Core Industry	Civil engineering
Division	Civil engineering	% share of annual turnover	100.00

SUPPLIER CONTACT INFORMATION

CONTACT 1

Contact type	Administration	Cellphone number	[redacted]
Is this your preferred Contact?	No	Fax number	
Name(s)	[redacted]	Website address	
Surname		Do you want this contact to also be a CSD user ?	
Identification type		Created by	
Prefer communication via email		Created date	
Email address		Edit by	

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.773 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

Telephone number	[redacted]	Edit date	01 Mar 2023 09:07:25:757

CONTACT 2

Contact type	Sales	Cellphone number	[redacted]
Is this your preferred Contact?	No	Fax number	
Name(s)	[redacted]	Website address	
Surname		Do you want this contact to also be a CSD user ?	
Identification type		Created by	
Prefer communication via email		Created date	
Email address		Edit by	
Telephone number		Edit date	

CONTACT 3

Contact type	Finance	Cellphone number	[redacted]
Is this your preferred Contact?	No	Fax number	
Name(s)	[redacted]	Website address	
Surname		Do you want this contact to also be a CSD user ?	
Identification type		Created by	
Prefer communication via email		Created date	
Email address		Edit by	
Telephone number		Edit date	

CONTACT 4

Contact type	[redacted]	Cellphone number	[redacted]
Is this your preferred Contact?		Fax number	
Name(s)		Website address	
Surname		Do you want this contact to also be a CSD user ?	
Identification type		Created by	
Prefer communication via email		Created date	
Email address		Edit by	
Telephone number		Edit date	

[redacted]

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CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.790 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

SUPPLIER ADDRESS INFORMATION

ADDRESS 1

Is this a preferred address?	Yes	Postal code	[redacted]
Address line 1	[redacted]	Ward Number	
Address line 2		Country	
Suburb		Created by	
Province		Created date	
cipality		Edit by	
City		Edit date	

ADDRESS 2

Is this a preferred address?	No	Postal code	[redacted]
Address line 1	[redacted]	Ward Number	
Address line 2		Country	
Suburb		Created by	
Province		Created date	
Municipality		Edit by	
City		Edit date	

SUPPLIER BANK ACCOUNT

BANK ACCOUNT 1

Account type	Current Accounts	Created by	[redacted]
Bank	ABSA BANK LIMITED	Created date	
Branch number	632005	Edit by	
Branch name	ABSA ELECTRONIC SETTLEMENT CNT	Edit date	
Account number	0690144492	Bank Verification Status	
Account holder	ZUTARI (PTY) LTD	Foreign Bank Account	
Is this a preferred account?	Yes	Is the identifier linked at the bank	
Active start date	21 Jul 2020 11:14:00:000	Is this a Shared Funding Account	

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.798 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

BANK ACCOUNT 2

Account type	Current Accounts	Created by	[redacted]
Bank	ABSA BANK LIMITED	Created date	
Branch number	335545	Edit by	
Branch name	HATFIELD	Edit date	
Account number	0690142104	Bank Verification Status	
Account holder	ZUTARI (PTY) LTD	Foreign Bank Account	
Is this a preferred account?	No	Is the identifier linked at the bank	
e start date	10 Dec 2015 13:42:56:000	Is this a Shared Funding Account	

TAX INFORMATION

Income tax number	[redacted]	Would you like to receive notifications?	[redacted]
VAT number		Overall Tax Status	
Is this supplier a VAT vendor?		Created by	
PAYE number		Created date	
Are you Registered with SARS?		Edit by	
Last validation date		Edit date	

B-BBEE INFORMATION

B-BBEE verification regulator	Verification agency accredited by SANAS	SANAS accredited agency	HONEYCOMB BEE RATINGS (PTY) LTD
Sector charter	Construction	% Owned by black people	34.35
Subsector charter	NOT APPLICABLE	% Owned by black people who are women	6.20
B-BBEE certificate number	HR/GEN/3605/24	% Owned by black people who are youth	0.37
B-BBEE certificate isue date	18 Oct 2024 00:00:00:000	% Owned by black people with disabilities	0.00
B-BBEE certificate isue expiry date	17 Oct 2025 00:00:00:000	% Owned by black who are unemployed	0.00
Value adding supplier or empowering supplier	Yes	% Owned by black people living in rural or underdeveloped areas	0.00

[redacted]

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.807 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

Verification Status	Manual Verification Required		
Skills Development Score	29.74	Created by	[redacted]
Socio-Economic Development Score	6.00	Created date	
Management Control Score	13.72	Edit by	
Ownership Score	22.32	Edit date	
Enterprise Supplier Development Score	28.74	Status	
Total Score	100.52		

OWNERSHIP INFORMATION

CSD can only verify the youth category of persons for South African citizens. It is the responsibility of an organ of state supply chain practitioner to obtain supporting documentation to verify the ownership information of this supplier.

Owner s name and surname Legal name	Owner s Identification number	RSA Citizen	Ethnic group	Gender	Ownership %	Youth	Disabled	Military	Rural	Township
ZUTARI INVESTMENTS			N/A	N/A	100.00%	N/A	N/A	N/A	N/A	N/A
Total					100.00%					

CATEGORY OF PERSONS BASED ON B-BBEE

Owned by black people	34.35%
Owned by black people who are youth	0.37%
Owned by black people who are women	8.20%

DIRECTORS /MEMBERS / OWNERS INFORMATION

DIRECTOR/MEMBER

Director type	Director	Created date	02 Aug 2017 14:41:20:000
Director status	Active	Edit by	[redacted]
Name(s)	[redacted]	Edit date	06 Nov 2024 09:56:04:000
Surname		Restricted Director	No
Country		Restriction Last Verification Date	01 Jul 2025 13:16:01:967
Identification type		Government Employee	No
South African identification number		Government Employee Last Verification Date	01 Jul 2025 13:14:29:500
Work permit		SA identification number Verified	Yes
Appointment date		SA Identification number verification date	26 Jun 2025 09:17:20:513
Email address		Ownership verification status	Verified by CIPC

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Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.817 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

Cellphone number	[redacted]	Ownership last verification date	01 Jan 1900 00:00:00:000
Owner		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...
Created by			

DIRECTOR/MEMBER 2

Director type	Director	Created date	02 Aug 2017 14:41:21:000
Director status	Active	Edit by	[redacted]
Name(s)	[redacted]	Edit date	06 Nov 2024 09:56:02:000
Surname		Restricted Director	No
Country		Restriction Last Verification Date	01 Jul 2025 13:16:02:030
Identification type		Government Employee	No
South African identification number		Government Employee Last Verification Date	01 Jul 2025 13:14:29:517
Work permit		SA identification number Verified	Yes
Appointment date		SA identification number verification date	26 Jun 2025 09:17:20:530
Email address		Ownership verification status	Verified by CIPC
Cellphone number		Ownership last verification date	01 Jan 1900 00:00:00:000
Owner		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...
Created by			

DIRECTOR/MEMBER 3

Director type	Director	Created date	26 Sep 2019 10:04:15:000
Director status	Active	Edit by	[redacted]
Name(s)	[redacted]	Edit date	06 Nov 2024 09:56:04:000
Surname		Restricted Director	No
Country		Restriction Last Verification Date	01 Jul 2025 13:16:02:047
Identification type		Government Employee	No
South African identification number		Government Employee Last Verification Date	01 Jul 2025 13:14:29:533
Work permit		SA identification number Verified	Yes
Appointment date		SA identification number verification date	26 Jun 2025 09:17:20:563

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.826 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

Email address	[redacted]	Ownership verification status	Verified by CIPC
Cellphone number		Ownership last verification date	01 Jan 1900 00:00:00:000
Owner		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...
Created by			

DIRECTOR/MEMBER 4

Director type	Director	Created date	17 Jan 2020 02:09:26:000
Director status	Active	Edit by	[redacted]
Name(s)	[redacted]	Edit date	06 Nov 2024 09:56:03:000
Surname		Restricted Director	No
Country		Restriction Last Verification Date	01 Jul 2025 13:16:02:107
Identification type		Government Employee	No
South African identification number		Government Employee Last Verification Date	01 Jul 2025 13:14:29:547
Work permit		SA identification number Verified	Yes
Appointment date		SA identification number verification date	01 Jul 2025 13:15:11:647
Email address		Ownership verification status	Verified by CIPC
Cellphone number		Ownership last verification date	01 Jan 1900 00:00:00:000
Owner		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...
Created by			

DIRECTOR/MEMBER 5

Director type	Director	Created by	[redacted]
Director status	Active	Created date	
Name(s)	[redacted]	Edit by	
Surname		Edit date	06 Nov 2024 09:56:05:000
Country		Restricted Director	No
Identification type		Restriction Last Verification Date	01 Jul 2025 13:16:02:140
South African identification number		Government Employee	No
Work permit		Government Employee Last Verification Date	01 Jul 2025 13:14:29:563
Appointment date		SA identification number Verified	Yes

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.836 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

Email address	[redacted]	SA identification number verification date	26 Jun 2025 09:17:20:593
Cellphone number		Ownership verification status	Verified by CIPC
Owner		Ownership last verification date	01 Jan 1900 00:00:00:000
		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...

DIRECTOR/MEMBER 6

Director type	Director	Created by	[redacted]
Director status	[redacted]	Created date	
Name(s)		Edit by	
Surname		Edit date	06 Nov 2024 09:56:03:000
Country		Restricted Director	No
Identification type		Restriction Last Verification Date	01 Jul 2025 13:16:02:233
South African identification number		Government Employee	No
Work permit		Government Employee Last Verification Date	01 Jul 2025 13:14:29:580
Appointment date		SA identification number Verified	Yes
Email address		SA identification number verification date	26 Jun 2025 09:17:20:623
Cellphone number		Ownership verification status	Verified by CIPC
Owner		Ownership last verification date	01 Jan 1900 00:00:00:000
		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...

DIRECTOR/MEMBER 7

Director type	Director	Created by	[redacted]
Director status	[redacted]	Created date	Jul 2022 08:47:19:000
Name(s)		Edit by	[redacted]
Surname		Edit date	06 Nov 2024 09:56:06:000
Country		Restricted Director	No
Identification type		Restriction Last Verification Date	01 Jul 2025 13:16:02:343
South African identification number		Government Employee	No
Work permit		Government Employee Last Verification Date	01 Jul 2025 13:14:29:593

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.847 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

Appointment date	[redacted]	SA identification number Verified	Yes
Email address		SA identification number verification date	26 Jun 2025 09:17:20:673
Cellphone number		Ownership verification status	Verified by CIPC
Owner		Ownership last verification date	01 Jan 1900 00:00:00:000
		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...

DIRECTOR/MEMBER 8

ctor type	Director	Created by	[redacted]
Director status	Active	Created date	24 Jul 2024 10:59:43:000
Name(s)	[redacted]	Edit by	[redacted]
Surname		Edit date	06 Nov 2024 09:56:06:000
Country		Restricted Director	No
Identification type	ber	Restriction Last Verification Date	01 Jul 2025 13:16:02:797
South African identification number		Government Employee	No
Work permit		Government Employee Last Verification Date	01 Jul 2025 13:14:29:627
Appointment date		SA identification number Verified	Yes
Email address	M	SA identification number verification date	26 Jun 2025 09:17:20:703
Cellphone number		Ownership verification status	Verified by CIPC
Owner		Ownership last verification date	01 Jan 1900 00:00:00:000
		Companies involved in	MAAA0015541; MAAA0015547; MAAA0015861; MAAA0015885; MAAA0015896; MAAA0016027...

OTHER OWNERS 1

Legal name	ZUTARI INVESTMENTS	Created date	10 Apr 2017 09:37:29:683
Ownership %	100.00%	Edit by	[redacted]
Ownership status	Active	Edit date	29 Jul 2021 15:53:28:300
Created by	[redacted]		

Tips and Frequently Asked Questions (FAQ)

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

CENTRAL SUPPLIER DATABASE FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.851 PM
Report Ran By:
[redacted]

CSD REGISTRATION REPORT

Identifier

CSD cannot electronically verify the identity of a supplier other than a South African Individual / Sole Proprietor (through Home Affairs) or a company registered at the Companies and Intellectual Property Commission (CIPC). For this reason, a disclaimer is displayed for supply chain practitioners to obtain supporting documentation to verify the identity and legitimacy of a supplier in these cases.

Bank

For help on how to resolve bank failures click here: *I received an email stating the bank information I captured on the CSD was sent for bank account validation and could not be validated. The response received from the bank contains an error message.*
The various possible error messages received from the bank are highSemiBolded in red. Search for the applicable message and follow the detailed steps associated with that error message.

Tax

Tax Compliance Status
For help on how to deal with tax status differences between CSD and the tax clearance certificate click here: *What should a supplier do if the tax status on CSD difference from the tax clearance certificate?*

Tax Compliance Expiry Date
For help on how to deal with tax status differences between CSD and the tax clearance certificate click here: *How does CSD determine the tax compliance expiry date?*

CIPC

Should the director/member information reflected on the CIPC registration report differs to that reflected on CSD for help click here: *The active Directors/Members are not being populated on the CSD Directors/Members screen as they appear at CIPC, how can I rectify this?*

State Employee

For more information pertaining to government employment status click here: *Will there be verification done to identify if a supplier is a government employee?*

BBBEE

CSD does not automatically verify all certificate information with the various accreditation bodies. Organs of State are required, where not automatically verified by CSD, to manually verify this information with the applicable accreditation body as per current policies and procedures. Expired certificate information do not reflect on the report.

RESTRICTION

Restricted Supplier *- A supplier is restricted by using the identification number of the entity e.g. CIPC registration -, trust -, Social Development non-profit -, South African ID -, Foreign company registration number or ID number. If there is more than one CSD Supplier profile registered on CSD with the same entity identification number, all those related supplier profiles will be restricted.*

Restricted Director *– A director/owner is an individual person and is restricted by using the South African ID or Foreign ID number. If e director belongs to different companies and has been restricted, the director will reflect as restricted in all companies where identification number is detected.*

Restricted Suppliers & Directors are listed on CSD under Help – Am I restricted?

The CSD does not automatically verify foreign company registration number, international securities identification number, foreign identification numbers, foreign passport numbers, work permit numbers, foreign bank accounts, B-BBEE, demographic and accreditation information. Organs of State are required to manually verify this information with the applicable verification institutions as per their current policies and procedures.

national treasury
Department:
[redacted]H AFRICA

CENTRAL SUPPLIER DATABASE
FOR GOVERNMENT

Report Date:
01 Jul 2025 13:16:20.857 PM
Report Ran By:
[redacted]

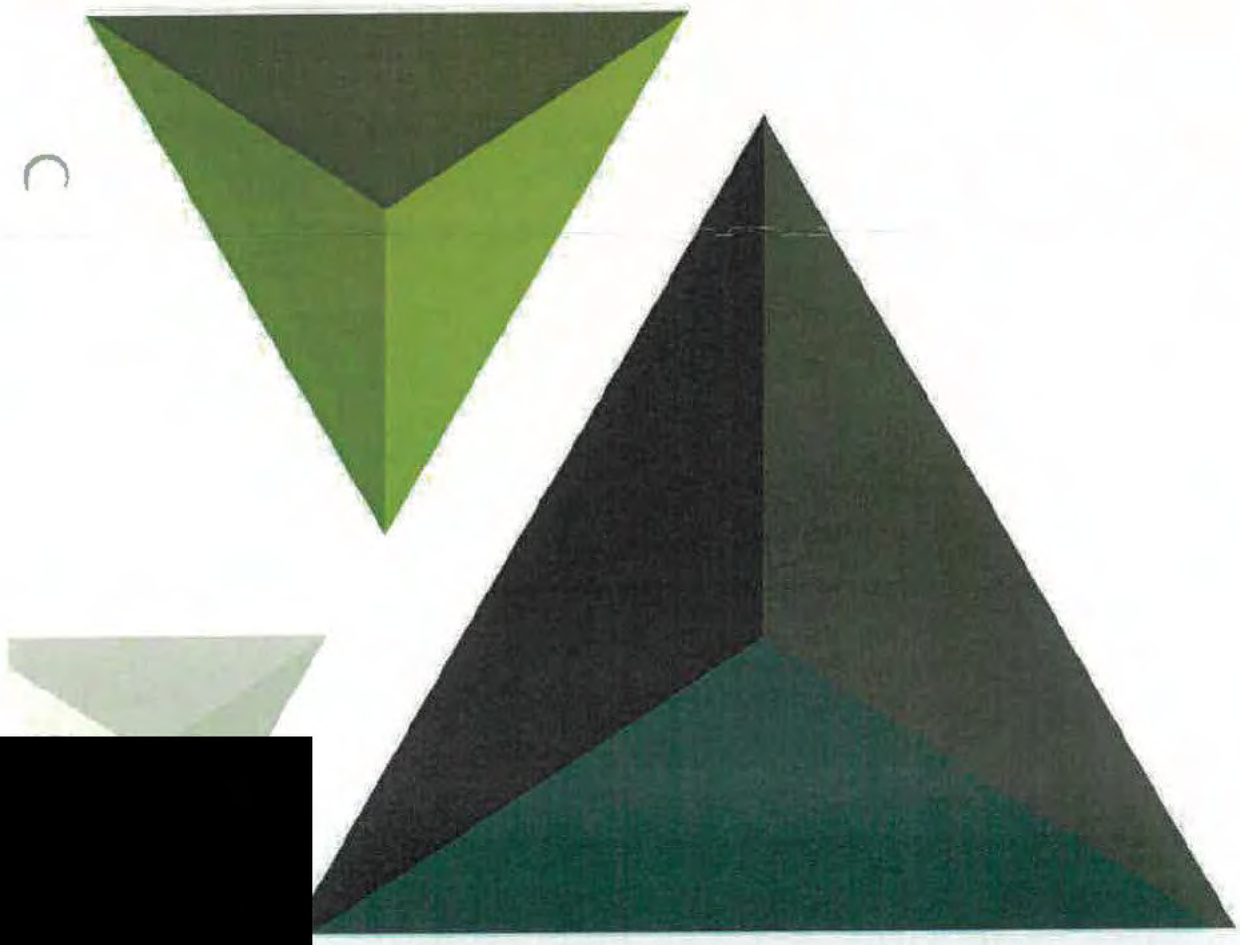
CSD REGISTRATION REPORT

Print Date: 7/1/2025 1:16:20 PM

national treasury
Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

[redacted]

SARS Tax compliance status PIN



South African Revenue Service

TAX COMPLIANCE STATUS
PIN Issued

Enquiries should be addressed to SARS:

Contact Details

SARS
[redacted]

Contact Centre Te[redacted]
SARS website: v[redacted]

ZUTARI (PTY) LTD
PO BOX 74381
[redacted]

Details

Taxpayer Reference Number: [redacted]

Always quote this reference number when contacting SARS

Issue Date: 2025/04/16

Dear Taxpayer

TAX COMPLIANCE STATUS PIN ISSUED

The South African Revenue Service (SARS) has issued your tax compliance status (TCS) PIN as indicated below:

TCS Details:	
Taxpayer Name	Zutari (Pty) Ltd
Trading Name	ZUTARI (PTY) LTD
Taxpayer Reference Number(s)	[redacted]
Purpose of Request	Good Standing
Request Reference Number	[redacted]
PIN	[redacted]
PIN Expiry Date	16/04/2026

You may authorise a third party to view your TCS by providing them the PIN. The PIN only allows the third party access to your TCS. All your other tax information remains secure.

Your TCS displayed is based on your compliance as at the date and time the PIN is used.

You may cancel this PIN at any time before the expiry date reflected above. Once cancelled, a third party will not be able to verify your TCS.

SARS reserves the right to cancel the TCS application and associated PIN in the event that it was issued in error or provided on the basis of fraud, misrepreeentation or non-disclosure of material facts.

More details regarding our channels, office hours, services, tailored information regarding tax as well as a comprehensive FAQ repository are available on the SARS website: [redacted]

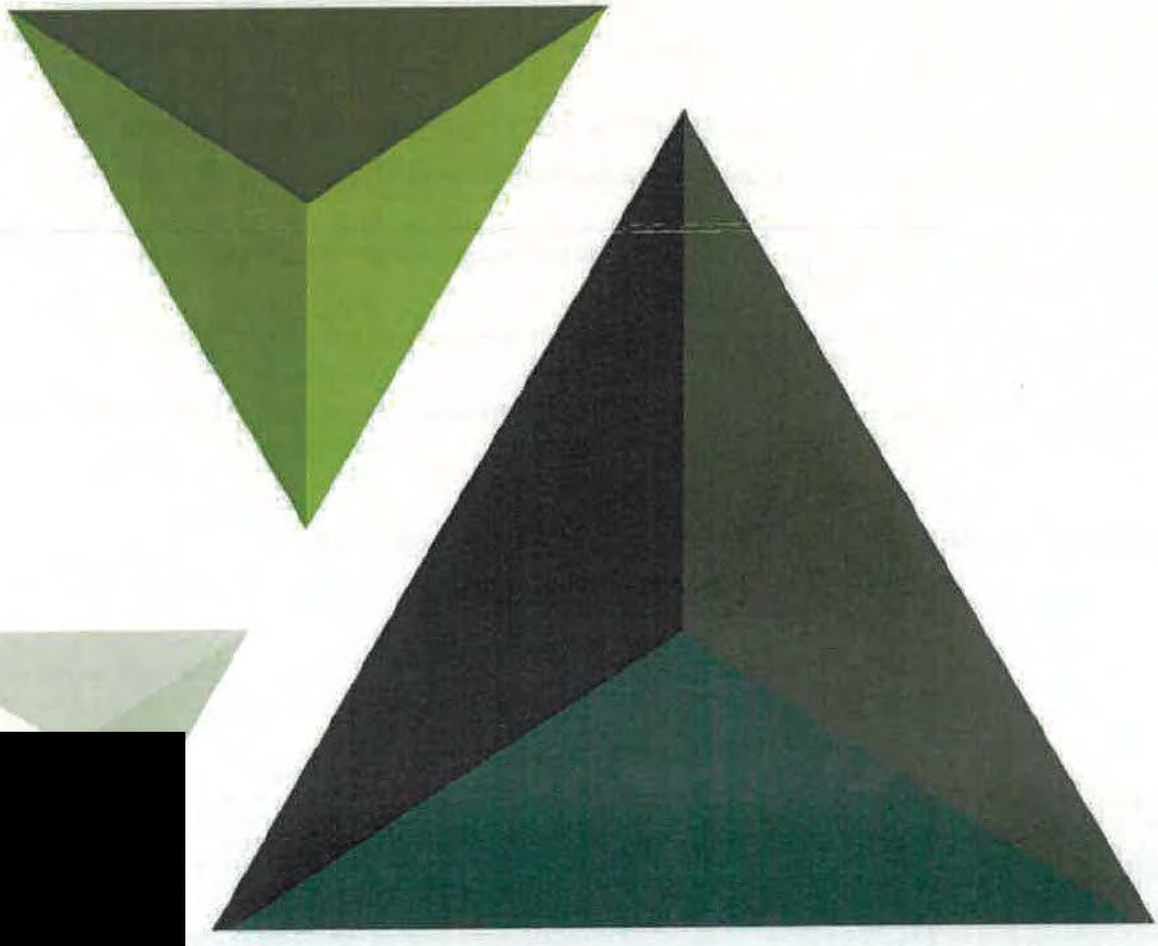
We value your support and contribution to our country's economy and prosperity. We strive to ensure that you clearly understand what is expected from you, as well as what your rights as a taxpayer are.

Sincerely

ISSUED ON BEHALF OF THE COMMISSIONER FOR THE SOUTH AFRICAN REVENUE SERVICE

[redacted]

BEE Certificate



Honeycomb
BEE Ratings

0861 HONEYCOMB

CONSTRUCTION SECTOR BEP VERIFICATION CERTIFICATE

We Certify that

Zutari (Pty) ltd

Company Address: [redacted]ria
Registration Number: [redacted]

Has been verified for compliance with the B-BBEE Act No. 53 of 2013 and the Construction Sector Code Gazette No.41287 of December 2017 and has achieved the following:

BEE RATING

Level One (1) Contributor

(Generic Scorecard)

BEE PROCUREMENT RECOGNITION LEVEL

135%

Analysis	Score	Element	Results
Black Ownership	34.35%	Ownership	22.32
Black Woman Ownership	8.20%	Management Control	13.72
Black Designated Group	0.37%	Skills Development	29.74
Black Youth	0.37%	Supplier Development	28.74
Black Disabled	0.00%	Socio-Economic Development	6.00
Black Unemployed	0.00%	Total	100.52
Black People Living in Rural Areas	0.00%	Y.E.S. Initiative Implemented	Yes
Black Military Veterans	0.00%	Y.E.S. Target Achieved	One (1) x Target
Black New Entrants	34.35%	Number of Levels Promoted	N/A
Exclusion Principle Applied	No	Certificate Number	HR_GEN_3605_24
Modified Flow Through Principle	No	Version Number	1.0
Empowering Supplier	Yes	Issue Date	18 October 2024
Discounting Applied	No	Expiry Date	17 October 2025
Financial Period Reviewed	01 July 2023 – 30 June 2024	Revision Date	N/A

[redacted]

Verification Manager
[redacted]
Honeycomb BEE Ratings

sanas
B-BBEE Rating Agency
BVA 046

BEE RATING BY HONEYCOMB

[redacted]

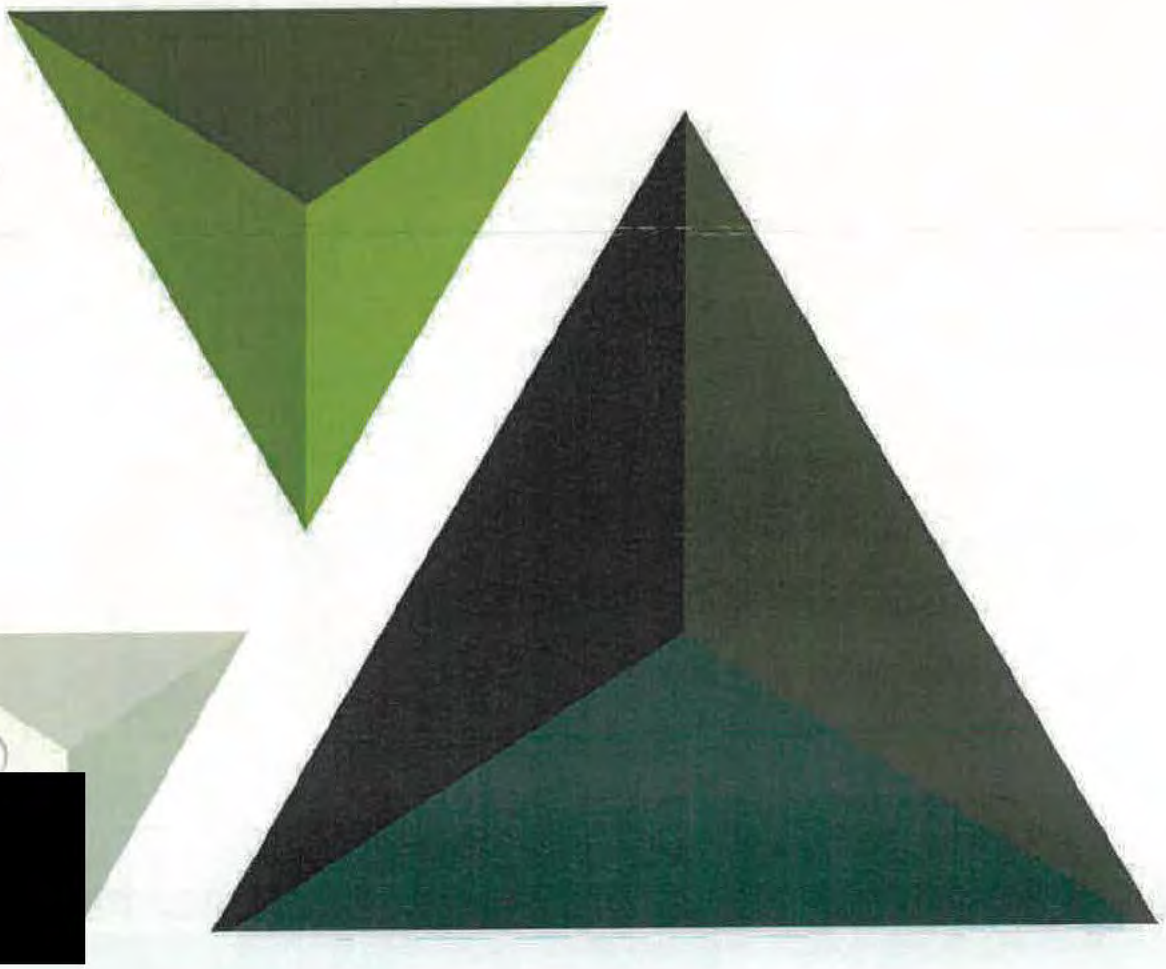
[redacted]

Accredited company memberships

CESA (Consulting Engineers of South Africa)

IMESA (Institute of Municipal Engineering of Southern Africa)

ASAQS (Association of South African Quantity Surveyors)



CESA

Consulting Engineers South Africa

Certificate of Membership

Date

14 April 2025

Company name

Zutari (Pty) Ltd

Membership No.

263

is a member of Consulting Engineers South Africa.

THIS CERTIFICATE IS VALID UNTIL 31 MARCH 2026

Scan to Verify Authenticity

Website: www.cesa.co.za

[redacted]

Institute of Municipal Engineering of Southern Africa

This is to certify that

Zutari (Pty) Ltd

has been admitted as

An Affiliate Gold Member

of the
INSTITUTE OF MUNICIPAL ENGINEERING
OF SOUTHERN AFRICA
In terms of chapter 4 of the institute's constitution

21 July 2020
Date of Admission

Z705
Membership Number

[redacted]

[redacted]
Secretary

[redacted]

This Membership Certificate remains the property of the Institute and is issued on its authority alone.
For verification and validity of this certificate, please contact IMESA Head Office [redacted]

CERTIFICATE OF *Good Standing*

THIS CERTIFIES THAT

[redacted]

TO WHOM IT MAY CONCERN

This is to confirm that **Zutari (Pty) Ltd** is currently a fully paid-up **Practice Member** of the Association of South African Quantity Surveyors, Membership Nr. **57962351**.

The above declaration is restricted to the current financial year **(1 March 2025 to 28 February 2026)** and will be subject to review during the next financial year.

Yours faithfully,

[redacted]

Executive Director

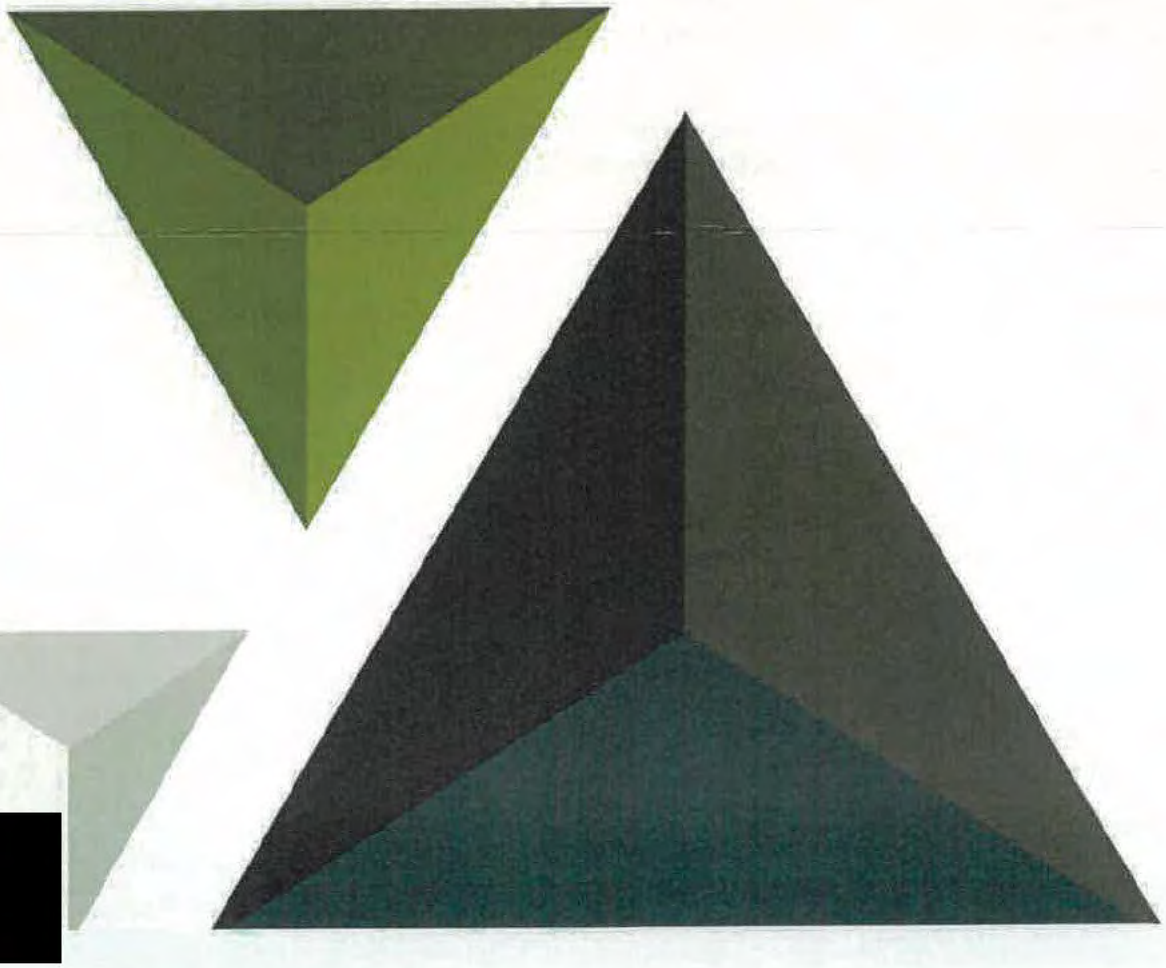
26/03/2025

Date

The Association of South African Quantity Surveyors

[redacted]

Beneficiaries of Zutari Ownership Trust



Beneficiaries of the Zutari Ownership Trust

Full Name	Last Name			Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]				[redacted]		Not Applicable

[redacted]

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name			Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]				[redacted]	[redacted]	Not Applicable

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name	Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]	[redacted]	[redacted]	[redacted]	Not Applicable

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name		Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]			[redacted]	[redacted]	

Zutari ownership trust as at 30 June 2024 (last audited data in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

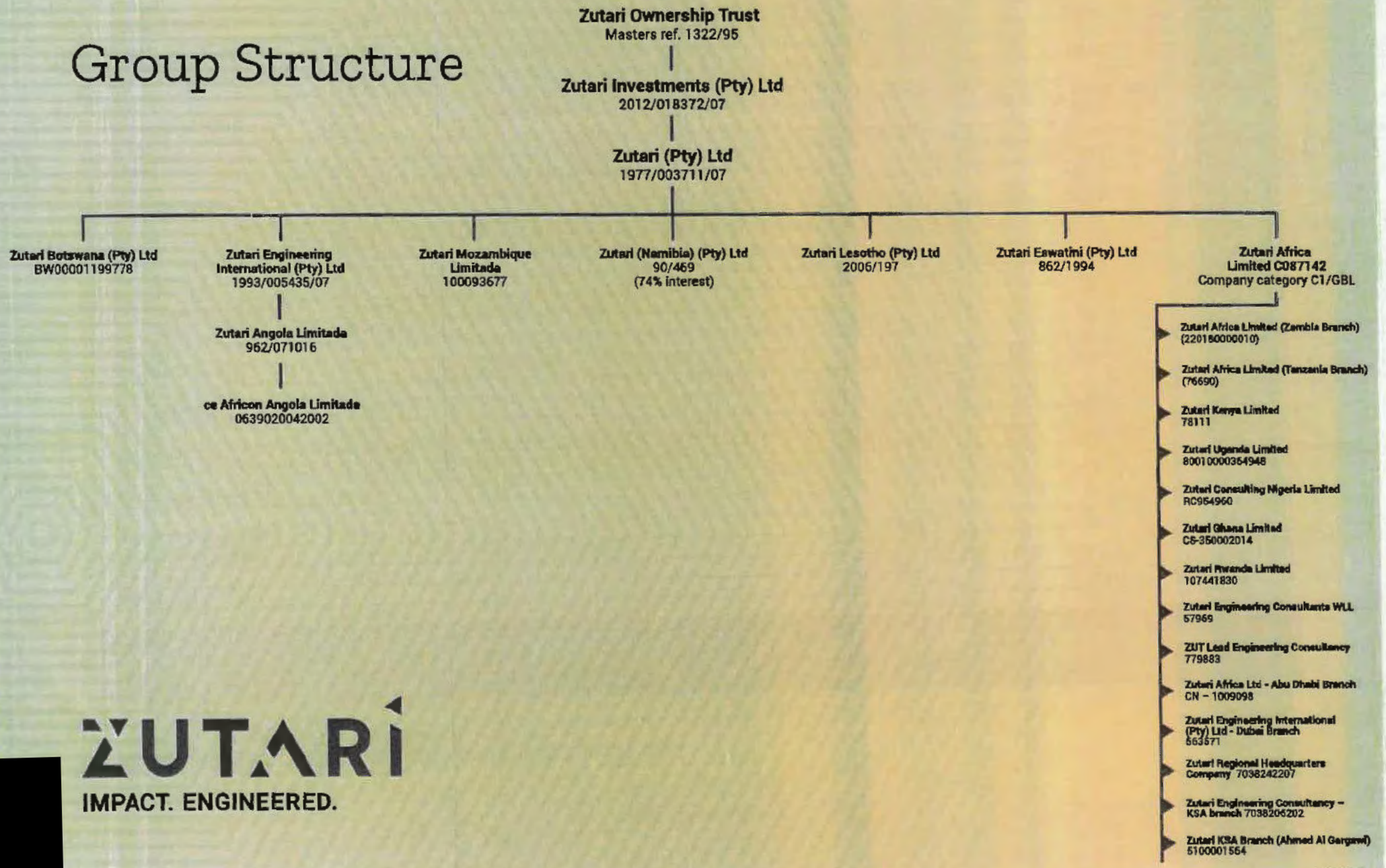
Board of Directors, organisational structure and beneficiaries



Zutari Board of Directors

Full name and surname	Identity Number	Personal Tax Reference Number	State Employee Number / PERSAL Number
[redacted]		[redacted]	Not applicable

Group Structure



ZUTARI

IMPACT. ENGINEERED.

Beneficiaries of the Zutari Ownership Trust

Full Name	Last Name	Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]				Not Applicable

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name		Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]					

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name	Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]				Not Applicable

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name	Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]				Not Applicable

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name		Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]					Not Applicable

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Full Name	Last Name		Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]					
			8509095280081	0310635162	Not Applicable

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

[redacted]

Full Name	Last Name		Identity / Passport Number	Personal Tax Reference number	State Employee Number / PERSAL Number
[redacted]					

Zutari ownership trust as at 30 June 2024 (last audited date in accordance with B-BBEE verification)
* For tax purposes, this person is resident of the listed country

Declaration regarding directors in services of state



[redacted]

ZUTARI
IMPACT. ENGINEERED.

T [redacted]

[redacted]

zutari.com

8 August 2025

[redacted]

Dear Supply chain management

Declaration with regards to Zutari (Pty) Ltd Directors in services of the state

As stipulated in the Public Finance Management Act, 1999 and the Municipal Supply Chain Management regulations, all bidders are required to declare if any employee or shareholder of the bidder are employed by the state.

Please note that we are aware that the personal details of one of our Directors, [redacted] (ID Number: [redacted], who was previously employed by the state, still appears on the payroll database used by government departments to verify whether employees or shareholders of the bidder are employed by the State. We can however confirm that Mr Hendricks is no longer employed by any Organ of State and has not been employed by an Organ of State in the last 18 months.

We are in contact with the office of the Auditor General to resolve this issue, but until the information is updated on the above-mentioned database, we will gladly provide documentary proof and declarations of any individuals (directors, shareholders or employees) that appear during any verification process.

Yours faithfully

[redacted]

[redacted]

Directors' interests in other companies



[redacted]

ZUTARI

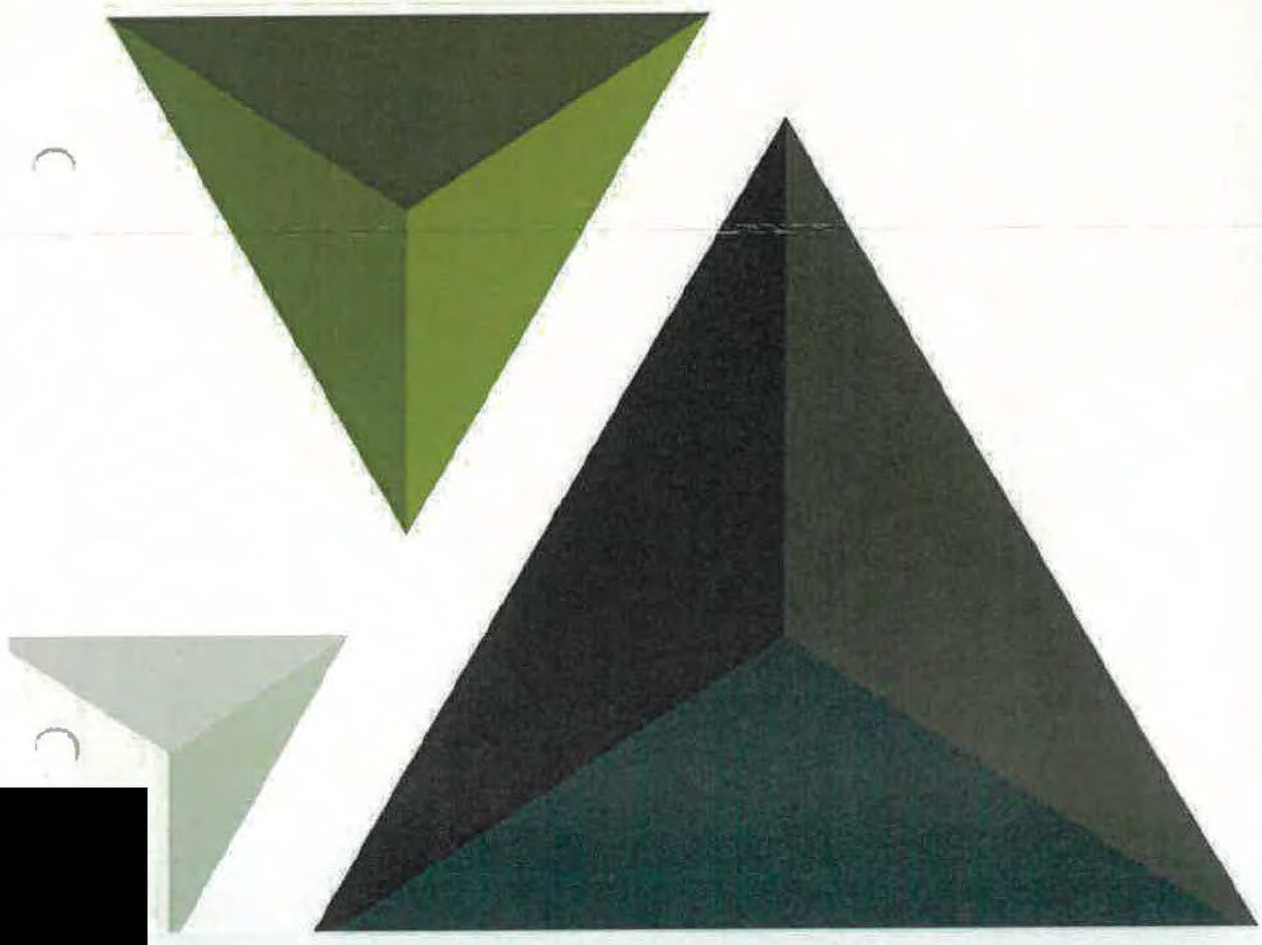
Members of the Zutari (Pty) Ltd Board of Directors with interest in other companies

Particulars of Director	ID number	Enterprise name	Registration Nr	Enterprise Type	Capacity, e.g. Director
[redacted]		LEREKO ECO (PTY) LTD	2012/015515/07	Private Company	Director
		LEREKO INVESTMENTS (PTY) LTD	2004/013452/07	Private Company	Director
		LEREKO METIER INVESTORS (PTY) LTD	2005/009193/07	Private Company	Director
		LEREKO METIER CAPITAL GROWTH FUND MANAGERS (PTY) LTD	2004033161/07	Private Company	Director
		NALDOFLO (PTY) LTD	2015/093813/07	Private Company	Director
		K2016001022 (SOUTH AFRICA) (PTY) LTD	2016/001022/07	Private Company	Director
		ALBN (PTY) LTD	2017/220801/07	Private Company	Director
		BARLOWORLD LTD	1918/000095/06	Public Company	Director
		MASSMART HOLDINGS LIMITED	1940/014066/06	Public Company	Director
		RICHARDS BAY SHIP LOADING (PTY) LTD	2003/012120/07	Private Company	Director
		SOUTH POINT PROPERTY INVESTMENTS (PTY) LTD	2003/021421/07	Private Company	Director
		LARGY INVESTMENTS (PTY) LTD	2004/022705/07	Private Company	Director
		AES KHANYA - KWAZULU NATAL (PTY) LTD	2005/031322/07	Private Company	Director
		AVUKA INVESTMENTS (PTY) LTD	2005/037666/07	Private Company	Director
		AES KHANYA - PORT ELIZABETH (PTY) LTD	2006/029071/07	Public Company	Director
		C G N TRANSPORTATION (PTY) LTD	2007/007573/07	Private Company	Director
		FIRSTSHELF 25 (PTY) LTD	2007/019141/07	Private Company	Director
		CALSHELF INVESTMENTS 181 (PTY) LTD	2007/035224/07	Private Company	Director
		FIRST AONE TRADE AND INVEST 12 (PTY) LTD	2008/009353/07	Private Company	Director
		CLIDET NO 881 (PTY) LTD	2008/024062/07	Private Company	Director
		MICAWBER 773 (PTY) LTD	2009/012144/07	Private Company	Director
		NEBAVEST 82 (PTY) LTD	2010/016536/07	Private Company	Director

Particulars of Director	ID number	Enterprise name	Registration Nr	Enterprise Type	Capacity, e.g. Director
		SOUTHERN FARM (PTY) LTD	[redacted]	Private Company	Director
		SOUTHERN CROSS MARKETING AND MANAGEMENT SERVICES (PTY) LTD		Private Company	Director
		ALUWA VENTURES (PTY) LTD		Private Company	Director
		DISCALA HOLDINGS (PTY) LTD		Private Company	Director
		NSPIRED DIVERSITY (PTY) LTD		Private Company	Director
[redacted]		Not applicable			

[redacted]

Details of municipal accounts for Zutari Cape Town and Zutari Directors



EXCELLERATE | JHI

Excellerate on Summit, 3A Summit Road,
Dunkeld West, Johannesburg, 2196

Tax Invoice & Statement

Owner	Sanlam Life Insurance Ltd		
Owner VAT No	4690107646	Owner Reg No	1966/021121/06
Property	Century City Zutari East (3801)		
Unit No	OF0001		
Tax Invoice No	188217/202508/1	Recipient VAT No	4320106703
For the Month	August 2025	Recipient Reg No	1977/003711/07
Deposit			
Monthly Charges Generated on 14 July 2025			
Queries	[redacted]	Ema Tel: Fax:	[redacted]

Zutari (Pty) Ltd
[redacted]

Printed: 14/07/2025 19:09:43 Page: 1

Date	Allocation	Remarks	Exclusive	VAT	Inclusive
		Balance B/f			2,892,337.10
27/08/2025	Receipt	188217/202507/1JHI S	0.00	0.00	-2,892,337.10
01/08/2025	Electricity Submetres	83147 units. Reading: 0. Date: 31/05/2025. (Last Reading: 0 on 30/04/2025) Ref: 188217	219,672.61	32,950.89	252,623.50
01/08/2025	Water	470 units. Reading: 0. Date: 31/05/2025. (Last Reading: 0 on 30/04/2025) Ref: 188217	19,884.74	2,982.71	22,867.45
01/08/2025	Sewerage	447 units. Reading: 0. Date: 31/05/2025. (Last Reading: 0 on 30/04/2025) Ref: 188217	14,080.68	2,112.10	16,192.78
01/08/2025	Area Rental	Offices	1,872,341.02	280,851.15	2,153,192.17
01/08/2025	Area Rental	OP0001_Patios	7,991.86	1,198.78	9,190.64
01/08/2025	Area Rental	OP0002_Terraces	32,491.49	4,873.72	37,365.21
01/08/2025	Area Rental	TS0001_Storeroom	1,886.60	282.99	2,169.59
01/08/2025	Rental: Units	Open Parking (77 bays)	70,651.80	10,597.79	81,249.59
01/08/2025	Rental: Units	Basement Bays (153 bays)	220,606.97	33,091.05	253,698.02
01/08/2025	Additional Rental	Rental - Rooftop (TQ0001)	5,000.00	750.00	5,750.00
01/08/2025	Rates & Taxes	Offices	10,288.00	1,543.20	11,831.20
01/08/2025	Refuse Removal	Offices	3,974.00	596.10	4,570.10
01/08/2025	Levy (Vatable)	Offices Property Owners Association	35,889.11	5,398.37	41,387.48
01/08/2025	Rec Meter Reading Fees	Offices	622.25	93.34	715.59
			2 515 481.23	377 322.19	2 892 803.42

AMOUNT DEPOSITED R

absa

DEPOSIT SLIP

Credit JHI: Sanlam WC Trust Acc ito Sec 12(1)

Instruments delivered for collection by the Customer or on his behalf shall be made available as cash only after payment thereof. Any payment against uncleared effects allowed by the Bank shall be at the Bank's discretion and no claim arising from this practice shall be brought against the Bank and furthermore the Bank shall, at its discretion, be entitled to debit the Customer's account with the amount of dishonoured instruments. The Bank shall not be held responsible for errors resulting from incorrect information furnished by the Customer or on his behalf. Furthermore, the Bank does not accept responsibility for ensuring that the Customer has lawful title to instruments handed in for collection.

Date

	Rands	Cents
Notes		
Coin		
Cheques		
MO & PO		
Subtotal		

Teller's date stamp and signature

Owner's Name	Bank	Branch Name/ Clearing Code		

Deposited by: Total R

Deposit Reference	1 8 8 2 1 7 Zutari (Pty) L	Acc No	1 0 7 8 2 4 2 3 4 4

ABSA Bank Limited/Bopark (Reg No 1986/004794/06) Authorised Financial Services Provider

[redacted]







Account details as at 23/06/2025	Account number	229905442

PROPERTY RATES (Period 23/05/2025 to 23/06/2025) 32 Days
At 40 CENTURY BOULEVARD, CENTURY CITY / Erf 6952

Business and commercial	
# From 23/05/2025 : R 74300000.00 @0.0155820 ÷ 365 x 32	101500.72
	101500.72

ELECTRICITY (Period 01/05/2025 to 29/05/2025 - 29 Days) (Actual reading)
At 40 CENTURY BOULEVARD, CENTURY CITY / Erf 6952
Meter no: 3507969487116 / Consumption 83147.160 kWh / Daily average 2867.143 kWh

& Consumption charge: Commercial (Small Power User - High)	
(83147.160 kWh X R 2.6099)	217005.77
& Service charge	
(29 Days X R 91.9600)	2666.84
	219672.61

WATER (Period 20/05/2025 to 23/06/2025 - 35 Days) (Estimate reading)
At 40 CENTURY BOULEVARD, CENTURY CITY / Erf 6952
Meter no: 19780768 / Consumption 470.383 kl / Daily average 13.440 kl

& Consumption charge (commercial)	
(470.383 kl X R 35.0700)	16496.34
& Fixed Basic Charge (100MM - 19780768) R 3388.41 x 1	3388.41
	19884.75

REFUSE (Period 23/05/2025 to 23/06/2025) 32 Days
At 40 CENTURY BOULEVARD, CENTURY CITY / Erf 6952

& Refuse charge (20 X 240lBIN X 1 Removals)	3974.00
	3974.00

SEWERAGE (Period 20/05/2025 to 23/06/2025 - 35 Days) (Estimate reading)
At 40 CENTURY BOULEVARD, CENTURY CITY / Erf 6952

& Disposal charge	
(446.864 kl X R 31.5100)	14080.69
	14080.69

Add 15% VAT on amounts marked with & above	38641.80
0% VAT on amounts marked with # above	
Current account: Total due	397754.57

M details			Previous reading		New reading		Units used
ELECTRICITY	3507969487116	007	61996.360kWh	(Actual)	62342.807kWh	(Actual)	346.447(X240)kW
WATER	19780768	001	13625.000kl	(Actual)	14095.383kl	(Estimate)	

[redacted]

Account details as at 23/06/2025 Account number 229905442

[redacted]

Zutari (Pty) Ltd Board

Surname	Full Name	Capacity	South African	Income	Residential	Municipal Account Nr	Race	Gender	Date of Appointment as Board member	Qualification	Professional Registrations
[redacted]						2060666384 Municipal Account under the name of A Ntsaluba	Black	Female	01/03/2009	PhD	The South African Council for Planners, A/2717/2018
						5009040038 City of Tshwane	Black	Male	01/03/2021	MBA, BA (Business Management)	None
						2045939845 City of Tshwane	White	Male	16/09/2019	PhD	Engineering Council of South Africa (ECSA), 910461
						1801165821 City of Ekurhuleni	Black	Male	01/01/2020	MSc (Finance and Accounting Management)	Association of Chartered Certified Accountants (ACCA – UK), 1099889
						1706812688	Black	Female	01/07/2022	PhD	None
						20693499232 City of Tshwane	Coloured	Male	01/09/2016	MEng (Civil)	None
						555784754 City of Johannesburg	Coloured	Female	01/07/2022	MBA (Business Management)	The South African Institute of Chartered Accountants
						234346496 City of Cape Town	Coloured	Female	15/07/2024	BTech (Transportation) and Ndip (Civil Engineering)	Professional Engineering Technologist, Engineering Council of South Africa (ECSA)

CITY OF TSHWANE
GNITING EXCELLENCE

[redacted]

Tel. [redacted]
Fax
E-Mail:
Addres
[redacted]

Account No.

2060666384

5904100711082

TAX invoice : 100008185672

Issued : 12/06/25

Account for	Stand no	Township	Days
P09	00497	WATERKLOOF	0
Address [redacted]		Sectional Title Scheme	Unit no. 00000

Meter reading unit	Group account	Deposit date	Deposit	Guarantee date	Guarantee
0908603A			0.00		0.00

GISKEY: 071600497/2 BP : 198643

DATE	DETAILS	(R) AMOUNT (excl. VAT)	(R) VAT	(R) AMOUNT (incl. VAT)
14/05/25	Balance Brought Forward	3 778.25	0.00	3 778.25
20/05/25	Payment (Thank You)	-4 000.00	0.00	-4 000.00
12/06/25	**SUB TOTAL (A)**	**- 221.75**	**0.00**	**- 221.75**
12/06/25	Property Rates	3 100.83	0.00	3 100.83
12/06/25	Waste Management	743.30	111.50	854.80
	VAT 14% on services of R 0.00	0.00	0.00	0.00
	VAT 15% on services of R 743.30	0.00	111.50	0.00
12/06/25	**TOTAL LEVY (B)**	**3 844.13**	**111.50**	**3 955.63**
	TOTAL AMOUNT PAYABLE (A + B)	**3 622.38**	**111.50**	**3 733.00**

90 Days	90 + Days	Total charge (excluding VAT)	Total VAT	Total charge (including VAT)
0.00	0.00	3 622.38	111.50	3 733.00

THIS STUB MUST ACCOMPANY PAYMENT

OVERDUE AMOUNT	DUE DATE	IMMEDIATELY		- 221.75
CURRENT ACCOUNT	DUE DATE	03/07/25	AMOUNT PAYABLE	3 955.63

Name	Final date for payment	Account no	
[redacted]	03/07/25	2060666384	3 733.00

Please use this Ref. no. when making Bank Payments Ref. no. 2060666384

EasyPay >>>>>> 9 1945 2060666384 0

TAX Invoice 100008185672

CITY OF TSHWANE VAT REG NO 4000142267

20606663840

Post Office 6247

First National Bank
ABSA
Standard Bank
NEDBANK

[redacted]

[redacted]

TE	ICON	DETAILS	AMOUNT (R) excl. VAT	VAT	AMOUNT (R) incl.VAT
14/05/25		Balance Brought Forward	3 778.25	0.00	3 778.25
20/05/25		Payment (Thank You)	-4 000.00	0.00	-4 000.00
		Sub Total (A)	**- 221.75**	**0.00**	**- 221.75**
12/06/25		**Property Rates**			
		Residential			
		Market Value: 3200000.00 Tariff: 0.0122000 Imperm. Value: 15000.00 Valuation Rebate: 135000.00			
		2025/06 Market Value x Tariff ? 12	3 253.33	0.00	3 253.33
		Less 15000.00 X 0.0122000 ? 12	- 15.25	0.00	- 15.25
		Less: Valuation Rebate X Tariff ? 12	- 137.25	0.00	- 137.25
12/06/25		**Waste Management**			
		Waste removal charge: domestic Waste Removal Charge: No of bins 2 @ R371.65	743.30	111.50	854.80
12/06/25		**VAT**			
		VAT 14% on services of R0		0.00	
		VAT 15% on services of R743.3		111.50	
		Total Current Levy (B)	**3 844.13**	**111.50**	**3 955.63**
		Total Amount Payable (A+B)	**3 622.38**	**111.50**	**3 733.00**

[redacted]

CITY
TSHWANE
GNITING EXCELLENCE

[redacted]

Tel: [redacted]
Fax: [redacted]
E-Ma[redacted]
Addr[redacted]

Account No.

5009040038

IT1178/2008 /

[redacted]

TAX Invoice : 275006090807

Issued : 05/07/25

Account for	Stand no	Township	Days
P01	00000	DOORNKLOOF 391-JR	0
Address		**Sectional Title Scheme**	**Unit no.**
630 PLOT			00000

Meter reading unit	Group account	Deposit date	Deposit	Guarantee date	Guarantee
0165900A			0.00		0.00

SISKEY: 017500000/630 **BP :** 1274197

DATE	DETAILS	(R) AMOUNT (excl. VAT)	(R) VAT	(R) AMOUNT (incl. VAT)
02/06/25	Balance Brought Forward	10 685.64	0.00	10 685.64
05/07/25	**SUB TOTAL (A)**	**10 685.64**	**0.00**	**10 685.64**
05/07/25	Property Rates	10 672.77	0.00	10 672.77
05/07/25	Waste Management	194.37	29.16	223.53
	VAT 14% on services of R 0.00	0.00	0.00	0.00
	VAT 15% on services of R 194.37	0.00	29.16	0.00
05/07/25	**TOTAL LEVY (B)**	**10 867.14**	**29.16**	**10 896.30**
	TOTAL AMOUNT PAYABLE (A + B)	**21 552.78**	**29.16**	**21 581.00**

90 Days	90 + Days	Total charge (excluding VAT)	Total VAT	Total charge (including VAT)
0.48	0.00	21 552.78	29.16	21 581.00

THIS STUB MUST ACCOMPANY PAYMENT

OVERDUE AMOUNT	**DUE DATE**	**IMMEDIATELY**		10 685.64
CURRENT ACCOUNT	**DUE DATE**	28/07/25	**AMOUNT PAYABLE**	10 896.30

Name	Final date for payment	Account no	
TDK TRUST	28/07/25	[redacted]	21 581.00

Please use this Ref. no. when making Bank Payments Ref. no. 5009040038

EasyPay >>>>>> 9 1845 5009040038 3

TAX Invoice 275006090807

CITY OF TSHWANE VAT REG NO 4000142267

50090400383

Post Office 0247

First National Bank

ABSA

Standard Bank

NEDBANK

Tel: [redacted]
Fax: [redacted]
E-Ma[redacted]
Addr[redacted]

[redacted]

[redacted]

ATE	ICON	DETAILS	AMOUNT (R) excl. VAT	VAT	AMOUNT (R) incl.VAT
02/06/25		Balance Brought Forward	10 685.64	0.00	10 685.64
		Sub Total (A)	**10 685.64**	**0.00**	**10 685.64**
05/07/25		**Property Rates**			
		Fin Year Split for June/July			
		2024/2025 Rates 9972.83			
		2025/2026 Rates 699.94			
		Residential			
		Market Value: 10660000.00 Tariff: 0.0122000			
		Imperm. Value: 15000.00 Valuation Rebate: 135000.00			
		2024/2025 10660000.00 X 0.0122000 ? 12	10 115.16	0.00	10 115.16
		Less 15000.00 X 0.0122000 ? 12	- 14.23	0.00	- 14.23
		Less 135000.00 X 0.0122000 ? 12	- 128.10	0.00	- 128.10
		Market Value: 11000000.00 Tariff: 0.0117200			
		Imperm. Value: 15000.00 Valuation Rebate: 235000.00			
		2025/2026 11000000.00 X 0.0117200 ? 12	716.22	0.00	716.22
		Less 15000.00 X 0.0117200 ? 12	- 0.98	0.00	- 0.98
		Less 235000.00 X 0.0117200 ? 12	- 15.30	0.00	- 15.30
05/07/25		**Waste Management**			
		City cleaning charge: domestic City Cleaning Charge: No of bins 1 @ R194.37	194.37	29.16	223.53
05/07/25		**VAT**			
		VAT 14% on services of R0		0.00	
		VAT 15% on services of R194.37		29.16	
		Total Current Levy (B)	**10 867.14**	**29.16**	**10 896.30**
		Total Amount Payable (A+B)	**21 552.78**	**29.16**	**21 581.00**

[redacted]

CITY TSHWANE
IGNITING EXCELLENCE

[redacted]

[redacted]

Accou

2045939845

6104295104061

TAX invoice : 875007595038

Issued : 13/06/25

Account for	Stand no	Township	Days
P09	00661	MENLO PARK	35
Address [redacted]		Sectional Title Scheme	Unit no. 00000

Meter reading unit	Group account	Deposit date	Deposit	Guarantee date	Guarantee
0908207A		17/05/05	4 176.51		0.00

SISKEY: 041600661 BP : 245461

DATE	DETAILS	(R) AMOUNT (excl. VAT)	(R) VAT	(R) AMOUNT (incl. VAT)
14/05/25	Saldo Oorgebring	6 514.53	0.00	6 514.53
06/06/25	Betaling(Dankie)	-6 514.00	0.00	-6 514.00
13/06/25	**SUB TOTAL (A)**	**0.53**	**0.00**	**0.53**
13/06/25	Erfbelasting	1 626.67	0.00	1 626.67
13/06/25	Afvalverwydering	371.65	55.75	427.40
13/06/25	Elektrisiteit	3 321.26	498.18	3 819.44
13/06/25	Water	809.04	121.36	930.40
13/06/25	Sanitasie	390.01	58.51	448.52
	BTW 14% op dienste van R 0.00	0.00	0.00	0.00
	BTW 15% op dienste van R 4891.96	0.00	733.80	0.00
13/06/25	**TOTAL LEVY (B)**	**6 518.63**	**733.80**	**7 252.43**
	TOTAL AMOUNT PAYABLE (A + B)	**6 519.16**	**733.80**	**7 252.00**

90 Days	90 + Days	Total charge (excluding VAT)	Total VAT	Total charge (including VAT)
0.00	0.00	6 519.16	733.80	7 252.00

THIS STUB MUST ACCOMPANY PAYMENT

OVERDUE AMOUNT	DUE DATE	IMMEDIATELY		0.53
CURRENT ACCOUNT	DUE DATE	04/07/25	AMOUNT PAYABLE	7 252.43

Name	Final date for payment	Account no	
ROHDE G T DR	04/07/25	2045939845	7 252.00

Please use this Ref. no. when making Bank Payments Ref. no. 2045939845

TAX Invoice 875007595038

CITY OF TSHWANE VAT REG NO 4000142267

20459398452

EasyPay >>>>>> 9 1945 2045939845 2

Post Office 9247

First National Bank

ABSA

Standard Bank

NEDBANK

[redacted]

TE	ICON	DETAILS	AMOUNT (R) excl. VAT	VAT	AMOUNT (R) incl.VAT
14/05/25		Saldo Oorgebring	6 514.53	0.00	6 514.53
06/06/25		Betaling(Dankie)	-6 514.00	0.00	-6 514.00
		Sub Total (A)	**0.53**	**0.00**	**0.53**
13/06/25		**Erfbelasting**			
		Residensieel			
		Mark Waarde: 1750000.00 Tarief : 0.0122000 Nie-hefbare Wrde: 15000.00 Waardasiekorting: 135000.00			
		2025/06 MarkWaarde - Nie-hefbareWaarde x Tarief ? 12	1 779.17	0.00	1 779.17
		Less 15000.00 X 0.0122000 ? 12	- 15.25	0.00	- 15.25
		Minus: Waardasiekorting x Tarief ? 12	- 137.25	0.00	- 137.25
13/06/25		**Afvalverwydering**			
		Afvalverwyderingsheff: huishoudelik Waste Removal Charge: Hoeveelheid asdromme 1 @ R371.65	371.65	55.75	427.40
13/06/25		**Elektrisiteit**			
		Lesingdatums Huidige 12/06/25 Vorige 13/05/25 (31 dae)			
		Meter: 94-07270(Geskatte) Huidige 41282 Vorige 40296 Verbruik 986 KWH			
		Energieheffing huishoudelik	3 321.26	498.19	3 819.45
13/06/25		**Water**			
		Lesingdatums Huidige 12/06/25 Vorige 09/05/25 (35 dae)			
		Meter: LO2G630420(Werklike) Huidige 4505 Vorige 4476 Verbruik 29 KL			
		Waterheffing Skaal B: Huishoudelik	617.79	92.67	710.46
		Water Netwerk Toegangsheffing	191.25	28.69	219.94
13/06/25		**Sanitasie**			
		Lesingdatums Huidige 12/06/25 Vorige 09/05/25 (35 dae)			
		Meter: LO2G630420(Werklike) Huidige 4505 Vorige 4476 Verbruik 29 KL			
		Sanitasie: Afvalwater Huish	276.84	41.53	318.37
		Sanitasie Netwerk Toegangsheffing	113.17	16.98	130.15
13/06/25		**VAT**			
		BTW 14% op dienste van R0		0.00	
		BTW 15% op dienste van R4891.96		733.80	
		Total Current Levy (B)	**6 518.63**	**733.80**	**7 252.43**
		Total Amount Payable (A+B)	**6 518.16**	**733.80**	**7 252.00**

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City of Ekurhuleni

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[redacted]

COPY TAX INVOICE

VAT Reg No. 4280193493

Invoice Number:
18011658212025/06/10

Name	[redacted]		**Account Number**	1801165821	
Ward Number	19	**Payments Included Until**	2025-06-10	**Vat Reg. No.**	
Street Address			**Electricity / Water Deposit**		**Statement Date**
			Cash	**Guarantee**	
62 MARULA STREET			1640.00	0.00	2025-06-10
Township			**Sectional Title**		**Property Valuation**
			Sectional Title Name	**Unit No**	**Total Value**
DOWERGLEN EXT 5					2750000
ERF Number	K15 005 00000890	**Portion**	00000 0000 0000	**Area m2**	1008

06/09		WATER 47 kl	1487.66	223.15	1710.81
		METER-NO 150113197 TARIFF: WATER-RESIDENTIAL			
		INTERIM REVERSAL 15.000 KI	-414.14	-62.12	-476.26
		SEWERAGE			
06/09		SEWER-RESIDENTIAL 47 kl	799.63	119.94	919.57
06/09		INTERIM REVERSAL	-319.38	-47.91	-367.29
06/09		SEWER-RESIDENTIAL 11 kl	268.62	40.29	308.91
06/09		INTERIM REVERSAL	-165.50	-24.83	-190.33
		TOTAL CURRENT LEVY 9757.83			

30 Days	60 Days	90 Days	90 + Days	Total Charge (excl.VAT)	Total VAT	Total Charge (incl.VAT)
0.00	0.00	0.00	0.00	8809.33	947.19	9756.52

Amount In Advance	0.00	**Due Date**	2025-07-05	**Amount Payable**	9757.00

MESSAGE

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[redacted]

PAY NOW

REMITTANCE ADVICE

VAT Reg No. 4280193493

> >>>>>> 9 1334 1801 1658 212

1801165821

115441801165821

Name [redacted]

Account Number
1801165821

Due Date	Amount Payable
2025-07-05	9757.00

[redacted]

EMERGENCY PHONE NUMBERS	
Municipal Services Complaints Call Centre (Non-Life Threatening)	**Life Threatening Emergencies**
0860-543 000	**011 458-0911 / 10177**
Electricity supply Water & Sewerage supply Roads, Transport & Civil Works Health & Social Development Environment, Solid Waste & Parks	All Fires Emergency Medical Assistance Metro Police Incidents / Disasters

IMPORTANT NOTICE

1. **PRE-TERMINATION NOTICE**

PRE-TERMINATION NOTICE ISSUED IN TERMS OF SECTION 12.(1) OF THE ELECTRICAL SUPPLY BY-LAWS IN RESPECT OF CURRENT ACCOUNT AND DEBT BALANCE BROUGHT FORWARD.

FAILURE TO PAY THE AMOUNT PAYABLE BEFORE DUE DATE, MAY RESULT IN ELECTRICITY SUPPLY BEING DISCONNECTED AND PRE-PAID PURCHASES BLOCKED WITHOUT ANY FURTHER NOTICE.

PRESCRIBED FEE FOR DISCONNECTION AND RECONNECTION SHALL BE CHARGED AND YOUR DEPOSIT MAY BE INCREASED.

IMMEDIATE RECONNECTION OF SUPPLY AFTER PAYMENT CANNOT BE ASSURED.

PRE-PAID ELECTRICITY – IN THE EVENT THAT MUNICIPAL SERVICES ACCOUNT IS IN ARREARS, PURCHASE OF PRE-PAID ELECTRICITY WILL BE BLOCKED ON VENDING SYSTEM UNTIL ALL ARREARS HAVE BEEN SETTLED IN FULL OR A SUITABLE ARRANGEMENT TO SETTLE THE BALANCE HAS BEEN MADE.

2. **ALLOCATION OF PAYMENTS**

PART PAYMENT OF YOUR ACCOUNT WILL BE ALLOCATED IN THE PRIORITY ORDER AS DETERMINED BY THE CITY OF EKURHULENI FROM TIME TO TIME.

3. **DEPOSITS**

CONSUMER DEPOSITS ARE NOT TRANSFERABLE.

4. **FINAL READING**

FINAL READING REQUESTS MUST BE APPLIED FOR IN WRITING AT LEAST 7 DAYS PRIOR TO PROPERTY BEING VACATED OR TERMINATION DATE.

5. **INTEREST**

INTEREST WILL BE CHARGED ON ARREAR ACCOUNT IF PAYMENT IS NOT RECEIPTED ON OR BEFORE ACCOUNT DUE DATE.

6. **PAYMENT METHODS**

6.1 **OFFICIAL BANKER - STANDARD BANK**

6.2 **DIRECT PAYMENTS AT STANDARD BANK BRANCH** - INDICATE ON DEPOSIT SLIP THE RELEVANT AUTHORITY TO CREDIT AND TEN-DIGIT MUNICIPAL SERVICES ACCOUNT NUMBER –

CoE Alberton Direct Std Banking
CoE Benoni Direct Std Banking
CoE Boksburg Direct Std Banking
CoE Brakpan Direct Std Banking
CoE Edenvale Direct Std Banking
CoE Germiston Direct Std Banking
CoE Kempton Park Income Std
CoE Nigel Direct Std Banking
CoE Springs Direct Std Banking

6.3 ELECTRONIC PAYMENT : CITY OF EKURHULENI IS A LISTED BENEFICIARY ON ALL MAJOR INTERNET BANKING PLATFORMS. IT IS MANDATORY TO INCLUDE TEN DIGIT MUNICIPAL SERVICES ACCOUNT NUMBER

6.4 **SIYAKHOKHA** - VIEW STATEMENT AND MAKE PAYMENT ONLINE BY REGISTERING ON THE CITY OF EKURHULENI PORTAL WWW.SIYAKHOKHA.EKURHULENI.GOV.ZA

6.5 **3RD PARTY VENDORS** : SOUTH AFRICAN POST OFFICE (SAPO), EASYPAY, BLU PAY, PAYG - CONSUMER ACCOUNT STATEMENT MUST BE PRESENTED.

6.6 **DEBIT AND CREDIT CARDS** - AT ANY CITY OF EKURHULENI CUSTOMER CARE CENTRES AND PAYPOINTS.

6.7 **CASH PAYMENTS** - AT ANY CITY OF EKURHULENI CUSTOMER CARE CENTRES AND PAYPOINTS. MAXIMUM INDIVIDUAL DEPOSIT LIMITED TO R 30 000 PER TRANSACTION PER CUSTOMER ACCOUNT OR INDIVIDUAL DEPOSIT.

6.8 **NOTE** - ELECTRONIC PAYMENTS THROUGH FINANCIAL INSTITUTIONS OR ANY OTHER 3rd PARTY SYSTEM MUST BE EFFECTED NOT LATER THAN 7 DAYS PRIOR TO ACCOUNT DUE DATE. PAYMENT WILL ONLY BE DEEMED TO HAVE BEEN RECEIVED WHEN RECEIPTED THROUGH COUNCILS FINANCIAL SYSTEM.

7. THIS STATEMENT MUST BE PRODUCED WHEN MAKING A PAYMENT.

8. IF YOU DISAGREE WITH THE CONTENTS OF THIS ACCOUNT, PLEASE NOTIFY THE CHIEF FINANCIAL OFFICER IN WRITING, WITHIN A PERIOD OF 7 DAYS AFTER STATEMENT DATE.

9. NON-RECEIPT OF AN ACCOUNT DOES NOT EXEMPT ACCOUNT HOLDER FROM THE LIABILITY TO PAY ACCOUNT ON DUE DATE.



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City of Ekurhuleni

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[redacted]

COPY TAX INVOICE

VAT Reg No. 4280193493

Invoice Number:
17068126882025/06/28

Name	[redacted]		**Account Number**	1706812688	
Ward Number	1	**Payments Included Until**	2025-06-28	**Vat Reg. No.**	
Street Address			**Electricity / Water Deposit**		**Statement Date**
			Cash	**Guarantee**	
[redacted]			0.00	0.00	2025-06-28
Township			**Sectional Title**		**Property Valuation**
			Sectional Title Name	**Unit No**	**Total Value**
MIDSTREAM ESTATE EXT 4			SS LINDI CLOSE	00006	2900000
ERF Number	T60 004 00000492	**Portion**	00000 0000 0000	Area m2	290

Date	Icon	Details	Charge (excl. VAT)	VAT	Charge (Incl. VAT)
05/23		BALANCE BROUGHT FORWARD	2640.00		2640.00
		SUB TOTAL	2640.00		2640.00
		PROPERTY RATES			
06/27		PROPERTY RATES RESIDENTIAL SECTIONAL TITLE	2784.00		2784.00
06/27		VA-VALUE-EXCLUSION	-144.00		-144.00
		TOTAL CURRENT LEVY 2640.00			

30 Days	60 Days	90 Days	90 + Days	Total Charge (excl.VAT)	Total VAT	Total Charge (Incl.VAT)
2640.00	0.00	0.00	0.00	5280.00	0.00	5280.00

Amount In Advance	0.00	**Due Date**	2025-07-18	**Amount Payable**	5280.00

MESSAGE

[redacted]

City of Ekurhuleni

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[redacted]

PAY NOW

REMITTANCE ADVICE

VAT Reg No. 4280193493

> >>>>>> 9 1333 1706 8126 865

1706812688

115441706812688

Name
NDL MOTSEI

Account Number
1706812688

Due Date	Amount Payable
2025-07-18	5280.00

[redacted]

EMERGENCY PHONE NUMBERS	
Municipal Services Complaints Call Centre (Non-Life Threatening)	**Life Threatening Emergencies**
0860-543 000	**011 458-0911 / 10177**
Electricity supply Water & Sewerage supply Roads, Transport & Civil Works Health & Social Development Environment, Solid Waste & Parks	All Fires Emergency Medical Assistance Metro Police Incidents / Disasters

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CoE Germiston Direct Std Banking
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CoE Springs Direct Std Banking

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6.5 **3RD PARTY VENDORS :** SOUTH AFRICAN POST OFFICE (SAPO), EASYPAY, BLU PAY, PAY@ - CONSUMER ACCOUNT STATEMENT MUST BE PRESENTED.

6.6 **DEBIT AND CREDIT CARDS** - AT ANY CITY OF EKURHULENI CUSTOMER CARE CENTRES AND PAYPOINTS.

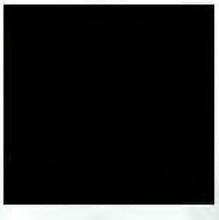
6.7 **CASH PAYMENTS** - AT ANY CITY OF EKURHULENI CUSTOMER CARE CENTRES AND PAYPOINTS. MAXIMUM INDIVIDUAL DEPOSIT LIMITED TO R 30 000 PER TRANSACTION PER CUSTOMER ACCOUNT OR INDIVIDUAL DEPOSIT.

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9. NON-RECEIPT OF AN ACCOUNT DOES NOT EXEMPT ACCOUNT HOLDER FROM THE LIABILITY TO PAY ACCOUNT ON DUE DATE.



CITY
TSHWANE
IGNITING EXCELLENCE

[redacted]

[redacted]

[redacted]

Account No.

2069349232

5706095225089

TAX invoice : 175007708986

Issued : 23/06/25

Account for	Stand no	Township	Days
P13	00824	DIE WILGERS X13	33
Address [redacted]		Sectional Title Scheme	Unit no. 00000
Meter reading unit	Group account	Deposit date	Deposit	Guarantee date	Guarantee
1312101A		02/05/05	1 233.88		0.00

BISKEY: 016600824 **BP :** 328588

DATE	DETAILS	(R) AMOUNT (excl. VAT)	(R) VAT	(R) AMOUNT (incl. VAT)
20/05/25	Saldo Oorgebring	2 644.47	0.00	2 644.47
03/06/25	Betaling(Dankie)	-2 644.00	0.00	-2 644.00
23/06/25	**SUB TOTAL (A)**	**0.47**	**0.00**	**0.47**
23/06/25	Erfbelasting	1 372.50	0.00	1 372.50
23/06/25	Afvalverwydering	371.65	55.75	427.40
23/06/25	Water	631.76	94.77	726.53
23/06/25	Sanitasie	326.99	49.06	376.05
	BTW 14% op dienste van R 0.00	0.00	0.00	0.00
	BTW 15% op dienste van R 1330.40	0.00	199.56	0.00
23/06/25	**TOTAL LEVY (B)**	**2 702.90**	**199.56**	**2 902.46**
	TOTAL AMOUNT PAYABLE (A + B)	**2 703.37**	**199.56**	**2 902.00**

90 Days	90 + Days	Total charge (excluding VAT)	Total VAT	Total charge (including VAT)
0.00	0.00	2 703.37	199.56	2 902.00

THIS STUB MUST ACCOMPANY PAYMENT

OVERDUE AMOUNT	DUE DATE	IMMEDIATELY		0.47
CURRENT ACCOUNT	DUE DATE	14/07/25	AMOUNT PAYABLE	2 902.46

Name	Final date for payment	Account no	
HENDRICKS P J	14/07/25	2069349232	2 902.00

Please use this Ref. no. when making Bank Payments Ref. no. 2069349232

EasyPay >>>>>> 9 1945 2069349232 7

TAX invoice 175007708986

CITY OF TSHWANE VAT REG NO 4000142267

Post Office

First National Bank

ABSA

Standard Bank

NEDBANK

[redacted]

20693492327

[redacted]

ATE	ICON	DETAILS	AMOUNT (R) excl. VAT	VAT	AMOUNT (R) incl.VAT
20/05/25		Saldo Oorgebring	2 644.47	0.00	2 644.47
03/06/25		Betaling(Dankie)	-2 644.00	0.00	-2 644.00
		Sub Total (A)	**0.47**	**0.00**	**0.47**
23/06/25		**Erfbelasting**			
		Residensieel			
		Mark Waarde: 1500000.00 Tarief : 0.0122000 Nie-hefbare Wrde: 15000.00 Waardasiekorting: 135000.00			
		2025/06 MarkWaarde - Nie-hefbareWaarde x Tarief ? 12	1 525.00	0.00	1 525.00
		Less 15000.00 X 0.0122000 ? 12	- 15.25	0.00	- 15.25
		Minus: Waardasiekorting x Tarief ? 12	- 137.25	0.00	- 137.25
23/06/25		**Afvalverwydering**			
		Afvalverwyderingsheff: huishoudelik Waste Removal Charge: Hoeveelheid asdromme 1 @ R371.65	371.65	55.75	427.40
23/06/25		**Water**			
		Lesingdatums Huidige 17/06/25 Vorige 16/05/25 (33 dae)			
		Meter: 201099755(Werklike) Huidige 1488 Vorige 1464 Verbruik 24 KL			
		Waterheffing Skaal B: Huishoudelik	451.44	67.72	519.16
		Water Netwerk Toegangsheffing	180.32	27.05	207.37
23/06/25		**Sanitasie**			
		Lesingdatums Huidige 17/06/25 Vorige 16/05/25 (33 dae)			
		Meter: 201099755(Werklike) Huidige 1488 Vorige 1464 Verbruik 24 KL			
		Sanitasie: Afvalwater Huish	220.29	33.04	253.33
		Sanitasie Netwerk Toegangsheffing	106.70	16.01	122.71
23/06/25		**VAT**			
		BTW 14% op dienste van R0		0.00	
		BTW 15% op dienste van R1330.4		199.56	
		Total Current Levy (B)	**2 702.90**	**199.56**	**2 902.46**
		Total Amount Payable (A+B)	**2 703.37**	**199.56**	**2 902.00**

Joburg

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You can contact us in the following ways

Phone:
Tel: [redacted]
Fax:

[redacted]

E-mail: [redacted]

VAT NO: CITY OF JOHANNESBURG: 4760117194 VAT NO: PIKITUP: 4790191292
VAT NO: JOHANNESBURG WATER: 4270191077 VAT NO: CITY POWER 4710191152

Computer generated
TAX INVOICE

[redacted]

Date	2025/07/07
Statement for	J
Physical Address	8
Stand No./Portion	0
Township	E

[redacted]

Stand Size	Number of Dwellings	Date of Valuation	Portion	Municipal Valuation	Region
1050 m2	1	2023/07/01	E1	Market Value R 4,240,000.00	Region E WARD 106

Invoice Number: 232000298199
Client VAT Number:

Next Reading Date: 2025/07/22
Deposit: R 5,908.92

Account Number: 555784754 **PIN CODE: 276414**

Previous Account Balance	9,961.26
Less: Incoming Payment (Last Payment Made 2025/06/13)	- 9,000.00
Sub Total	961.26
Interest on Arrears	2.74
Current Charges (Excl. VAT)	12,599.82
VAT @ 15%	1,419.89

90 DAYS +	60 DAYS	30 DAYS	CURRENT	INSTALMENT PLAN	TOTAL AMOUNT OUTSTANDING
0.00	0.00	961.26	14,022.45	0.00	14,983.71

Total Due	14,983.71
Due Date	2025/07/22

This Pre-termination Notice is issued in respect of MUNICIPAL SERVICES charges reflecting arrears over five (5) days. Paying your municipal account in full and or enter into payment arrangement will avoid services being cut off.
We notice that payment on your account was not received in full last month. If you have since paid we thank you and request that you ignore this message. If you had not yet paid please do so urgently.
Do you have a longstanding or unresolved service delivery-related issue with the City of Johannesburg? You may lodge your complaint today with the Office of the Ombudsman by contacting us 010 288 2800/emailing complaints@joburgombudsman.org.za

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Remittance Advice:

This stub must accompany payment, please do not detach if paying at the post office

Date: 2025/07/07 Althea Cordelia Discala
Acc. No.: 555784754 8B CADOGAN ROAD

EasyPay 91115 5557847547

Postal Office 0146 555784754

Standard Bank City of Johannesburg Banking details:

Internet banking - Use the banks pre-loaded Company details
SBSA branch deposits - CIN no AA45 to be used in place of bank acc. nr.
Client Account No/Deposit Reference 555784754

Total Due	14,983.71
Due Date	2025/07/22

[redacted]

Account Number: 555784754

City of Johannesburg Property Rates VAT 4760117194	Sub - Total	Total Amount
Category of Property: Property Rates Residential		
R 4,240,000.00 X R 0.0095447 / 12 (Billing Period 2025/07)	3,372.47	
Category of Property: Property Rates Residential		
The property rates are based on the market values of the property and		
are calculated as follows:		
Less rates on first R300 000.00 of market value	- 50.62	
Category of Property: Property Rates Residential		
The property rates are based on the market values of the property and		
are calculated as follows:		
Less rates on first R300 000.00 of market value	- 188.00	
VAT: 0 %	0.00	3,133.85

City Power Electricity VAT 4710191182	Sub - Total	Total Amount
(Reading period = 2025/05/20 to 2025/07/03 = 45 days)		
Meter: 48000319508; Register: ; Multiply factor: ; Start reading: 179,742.000;		
End reading: 181,636.000; Difference: 1,894.000; Consumption: 1,894.000;		
Units: kWh; Type: Actual Readings.		
Daily average consumption 42.089 kWh		
Charges for 1,894.000 kWh are based on a sliding scale for a 45 day period		
Step 1 739.220 kWh @ R 2.2728 (Billing Period 2025/07) Step 2 739.219 kWh @ R 2.6084 Step 3 289.294 kWh @ R 2.8008	4,418.54	
Step 1 126.267 kWh @ R 2.6444 (Billing Period 2025/07)	333.90	
Extended Social Package Grant	0.00	
Network Surcharge kWh Network Surcharge kWh	61.72	
Network Surcharge kWh	0.00	
Service charge	278.98	
Network charge	903.69	
VAT: 15.00%	899.52	6,896.36

Johannesburg Water Water & Sanitation VAT 4270191077	Sub - Total	Total Amount
(Reading period = 2025/05/14 to 2025/06/20 = 38 days)		
Meter: BLJA.661; Register: 1; Multiply factor: 1; Start reading: 15,290.000;		
End reading: 15,339.000; Difference: 49.000; Consumption: 49.000;		
Units: KL; Type: Actual Readings.		
Daily average consumption 1.289 KL		
Charges for 49.000 KL are based on a sliding scale for a 38 day period		
Step 1 7.491 KL @ R 0.0000 (Billing Period 2025/07) Step 2 4.994 KL @ R 26.200 Step 3 6.242 KL @ R 27.350 Step 4 6.242 KL @ R 38.340 Step 5 12.485 KL @ R 52.990 Step 6 11.546 KL @ R 57.950	1,871.55	
Extended Social Package Grant	0.00	
Demand Management Levy	65.08	
Sewer monthly charge based on Stand size 1050 m2 (Billing Period 2025/07)	1,055.51	
VAT: 15.00%	448.82	3,440.96

[redacted]

PIKITUP Refuse	VAT 4790191292	Sub - Total	Total Amount
Refuse Residential		477.00	
VAT: 15.00%		71.55	548.55

Current Charges (Including VAT)	14,019.71

Where can a payment be made?
Any CoJ Office; any Post Office; any EasyPay site; any bank (branch, ATM or internet site).
YOUR ACCOUNT NUMBER IS YOUR REFERENCE NUMBER

How to make a payment
By debit order, cash or debit card.
KEEP ALL RECEIPTS FOR FUTURE REFERENCE

When to make a payment
Payments must reach the CoJ on or before the due date.

Change of address
This must be done timeously, in writing and submitted to any CoJ Municipal Regional Office.

Terminating electricity and water services?
This must be done in writing 7 working days before the date you want your services terminated and submitted to any CoJ Municipal Regional Office.

[redacted]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Civic Centre
[redacted]

Tax invoice number	290008379819
registration number	
Account number	234346496
Distribution code	
ess partner number	1002321688

[redacted]

Computer generated copy tax invoice

Tel: [redacted]

[redacted]

Account summary as at 13/06/2025 — **Due date** 08/07/2025

At 22 TECOMA CRESCENT, PLATTEKLOOF 2 / Erf 21251

Previous account balance		3467.11
Less payments		0.00
rs (a)	Payable immediately	3467.11
Latest account - see overleaf		3276.25
Current amount due (b)	Payable by 08/07/2025	3276.25
	Total (a) + (b)	6743.36
Total (a) + (b) above	6743.36	
Total liability	6743.36	

LET'S ACT
www.capetown.gov.za/ClimateChange

Please note:

1. Payment options

(a) Debit orders: Call 0860 103 089 or visit a Customer Service Centre.(b) Internet payments: Visit www.Easypay.co.za or scan the QR code.

ectronic payments (EFT): Select the City of Cape Town as a bank-listed beneficiary on your bank's website. Use only your nine-digit municipal account number as reference

(d) Direct deposit at Nedbank: Please present your account number 234346496 to the bank teller. (e) Cash, debit card, credit card and other: Please present your account to the cashier.

2. Where the City incurs bank costs on any mode of payment, the City will recover such cost on the portion of the amount above R7000.00 per transaction per account number. The City absorbs such costs in respect of a single payment of R7000.00 and below.

3. Interest will be charged on all amounts still outstanding after the due date.

4. You may not withhold payment, even if you have submitted a query to the City concerning this account.

5. Failure to pay could result in:

(a) The City recovering debt overdue on the purchasing of pre-paid electricity,(b) your water and/or electricity supply being disconnected/restricted. Immediate reconnection of the supply after payment cannot be guaranteed. A disconnection fee will be charged and your deposit amount might be increased.

6.Pay and renew your motor vehicle licence online: https://eservices.capetown.gov.za/irj/portal

Pay points: City of Cape Town cash offices or the vendors below:

easypay · PEP · Checkers · WOOLWORTHS · SHOPRITE · Pick n Pay · SPAR · ACKERMANS

21251 PAROW

>>>>> 915552343464965

Account number	[redacted]
Total due if not paid in cash	
Amount due if paid in cash	
Rounded down amount carried forward to next invoice	

[redacted]

Account details as at 13/06/2025	Account number	234346496

PROPERTY RATES (Period 16/05/2025 to 13/06/2025) 29 Days
At 22 TECOMA CRESCENT, PLATTEKLOOF 2 / Erf 21251

Residential	
Rateable portion of valuation From : 16/05/2025 R 5040000 - R 15000 = R 5025000	
# From 16/05/2025 : R 5025000.00 @ 0.0066310 ÷ 365 x 29	2647.40
	2647.40

WATER (Period 10/05/2025 to 09/06/2025 - 31 Days) (Actual reading)
At 22 TECOMA CRESCENT, PLATTEKLOOF 2 / Erf 21251
Meter no: 57431349 / Consumption 0.000 kl / Daily average 0.000 kl

Consumption charge (domestic)	
& (1) 0.0000 kl @ R 19.5900	0.00
& Fixed Basic Charge (20mm - 57431349) R 135.54 x 1	135.54
	135.54

REFUSE (Period 16/05/2025 to 13/06/2025) 29 Days
At 22 TECOMA CRESCENT, PLATTEKLOOF 2 / Erf 21251

& Refuse charge (1 X 140L RECYL X 1 Removals)	0.00
& Refuse charge (1 X 240lBIN X 1 Removals)	166.26
	166.26

SEWERAGE (Period 10/05/2025 to 09/06/2025 - 31 Days) (Actual reading)
At 22 TECOMA CRESCENT, PLATTEKLOOF 2 / Erf 21251

Disposal charge	
& (1) 0.0000 kl @ R 17.2100	0.00
	0.00

SUNDRIES

& Electricity Home User Charge - 06.2025 (PREPAID 9000294737)	245.03
	245.03

Add 15% VAT on amounts marked with & above	**82.02**
0% VAT on amounts marked with # above	
Current account: Total due	**3276.25**

Meter details			Previous reading		New reading		Units used
V R	57431349	001	986.000kl	(Actual)	986.000kl	(Actual)	0.00kl
Meter details			**From period**		**To period**		**Units purchased**
PREPAID	9000294737		01.MAY.2025		31.MAY.2025		984.800units

[redacted]

Standard Bank

Internet Banking

[redacted]

Dear CITY OF CAPE TOWN MUNICIP

/e confirm that the following payment has been made into your account from Alroy:

Reference number [redacted]
Listed company name
Bank name
Listed company number
Listed company branch number
Beneficiary reference
Amount
Payment date and time

If you need more information or have any questions about this payment, please contact:
Alroy

Payments to Standard Bank accounts may take up to one business day to reflect.
ments to other banks may take up to three business days.

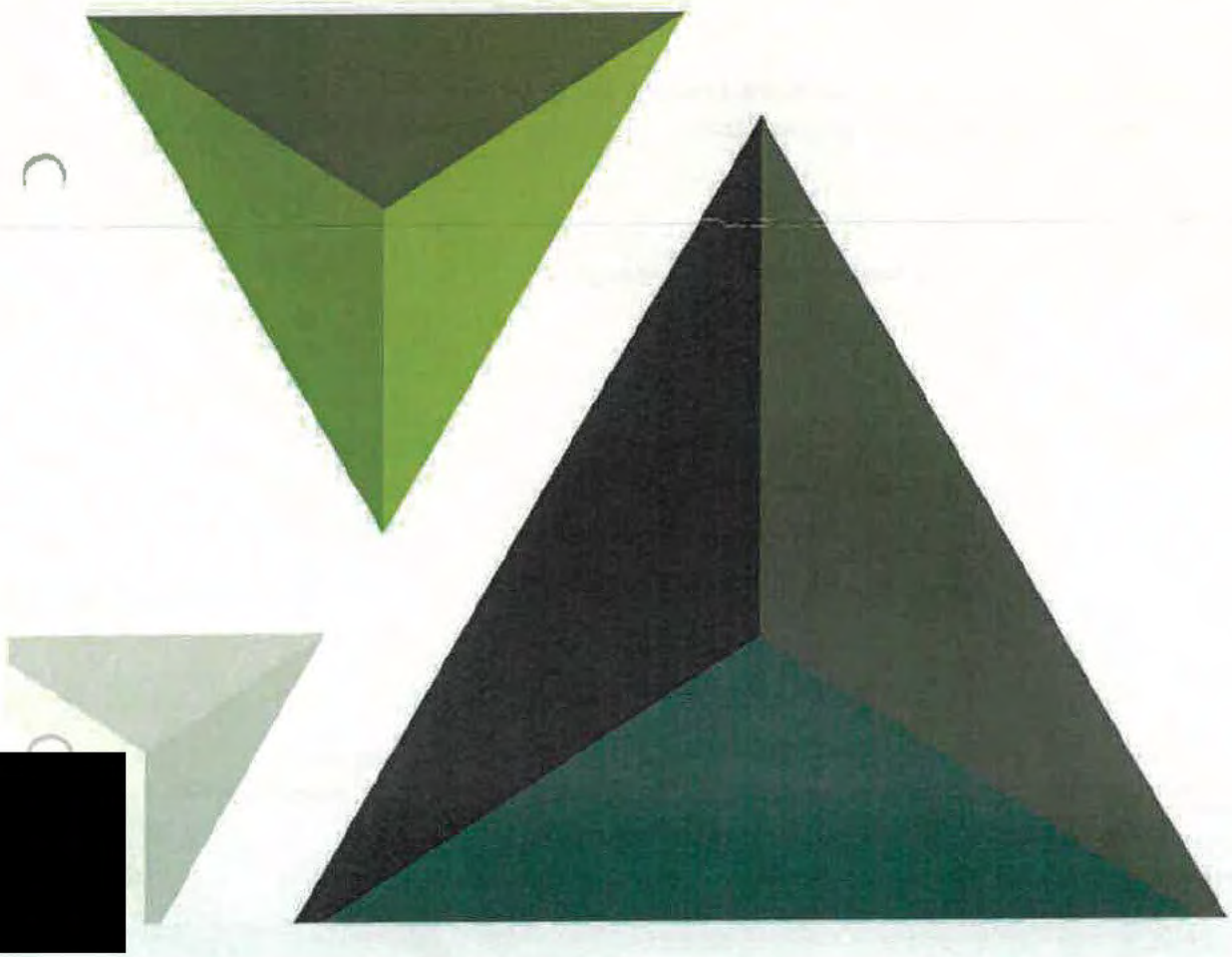
Please check your account to confirm you have received this payment.

Yours sincerely,
The Internet Banking Team

The Standard Bank of South Africa Limited (Reg. No. 1962/000738/06) Authorised financial services provider and registered credit provider (NCRCP15)

[redacted]

Professional Indemnity Insurance



AON

TO WHOM IT MAY CONCERN **28 July 2025**

Dear Sir/Madam

ZUTARI (PTY) LTD
PROFESSIONAL INDEMNITY INSURANCE

This letter serves to confirm that our client has made a formal application to renew their Professional Indemnity policy, which is only renewable in August 2025.

We foresee no complications or delays as Insurers have already provided quotations and I have every confidence that the insurances will be renewed before the expiry date.

We confirm that the abovementioned client currently holds Professional Indemnity Insurance on the following basis :

Period of Insurance	:	1 August 2024 – 31 July 2025
Insurers	:	The Hollard Insurance Company Limited underwritten by ITOO Special Risks (Pty) Ltd. Lombard Insurance Company Limited underwritten by Leppard and Associates (Pty) Limited Stalker Hutchison Admiral (Pty) Limited, a division of Santam Limited.
Jurisdiction	:	Worldwide
Master Policy Number	:	AONL18-0137130

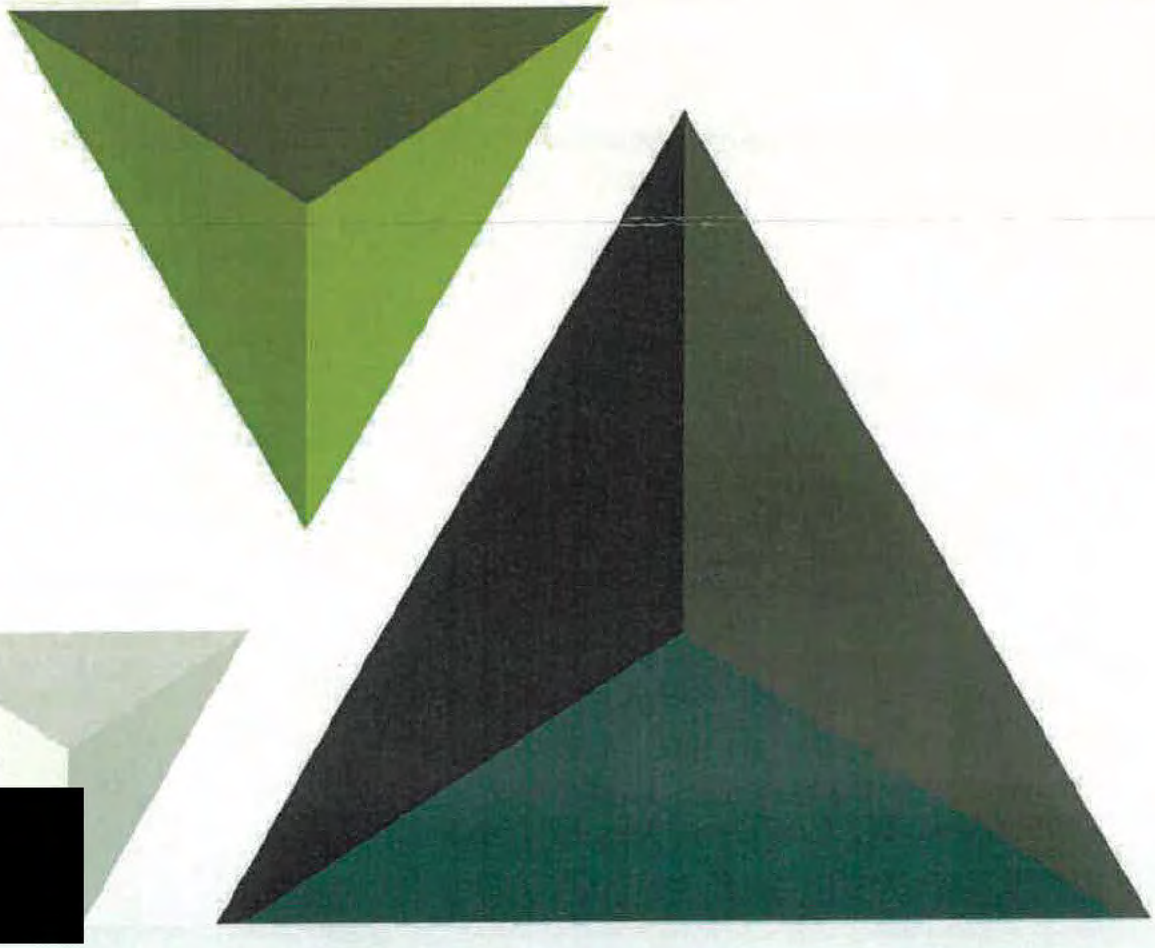
We furthermore confirm that the premium has been paid and that the policy is currently in full force and effect.

Yours faithfully

[redacted]

Business Unit Head – Professional Risks - Specialty

Public Liability Insurance



AON

[redacted]

26 July 2025

Dear Sir/Madam

CONTRACT NO.: 308C/2024/25

CONTRACT TITLE : TERM TENDER FOR PROVISION OF MULTI-DISCIPLINARY PROFESSIONAL SERVICES IN RESPECT OF WATER REUSE PROJECTS

NAME OF SUPPLIER : **ZUTARI (PTY) LTD**

Professional Indemnity Insurance

I, the undersigned, do hereby confirm an warrant that all the Professional Liability / Indemnity insurances required in terms of the abovementioned contract have been issued and/or in the case of blanket / umbrella policies, have been endorsed to reflect the interests of the **CITY OF CAPE TOWN** with regard to the abovementioned contract, and that all the insurances and endorsements, etc, are all in accordance with the requirements of the contract.

We confirm that the premium has been paid and that the policy is currently in full force and effect.

Yours faithfully,

[redacted]

[redacted]
Business Unit Head - Specialty
Professional Risks

AON

29 July 2025

TO WHOM IT MAY CONCERN

Dear Sir/Madam

RE: Zutari (Pty) Ltd – Confirmation of Renewal of Public Liability for the period -01/08/2025 – 31/07/2026

This letter serves to confirm that our client has made a formal application to renew their Public Liability policy with effect from 01 August 2024. The Insurers have confirmed that the policy has been renewed and we are now awaiting their normal documentation.

In the meantime, we can confirm that the client holds Public Liability Insurance on the following basis:

➢ Insurers:	**Allianz Global Corporate and Specialty**
➢ Policy #:	**ZAL000736230**
➢ Period of Insurance	**01 August 2025 to 31 July 2026**
➢ Next Renewal Date:	**01 August 2026**
➢ Limit of Indemnity: 1. General Liability 2. Employers Liability 3. Statutory Legal Defence Costs 4. Wrongful Arrest/Defamation 5. Claims Preparation Costs	 **ZAR20,000,000** **ZAR20,000,000** **ZAR500,000** **ZAR500,000** **ZAR1,000,000**
➢ Territorial Limits	**Worldwide excluding USA/Canada**

Territorial Limits in respect of Employers Liability: Notwithstanding, the Company will indemnify the Insured for all sums which the Insured is legally liable to pay as damages, including claimants' costs and expenses in respect of any accidental Bodily Injury sustained by an Employee arising out of and in the course of their employment with the Insured during the Period of Insurance and arising from any claim first made against the Insured during the Period of Insurance , in respect of any Occurrence on or after the Retroactive Date specified in the schedule, which are sustained anywhere in the world, provided that such Employee is ordinarily a resident in the Policy Territory above and the claim or Legal Proceeding is brought exclusively in said Policy Territory above.

We trust that you find the above in order. If you have any queries, or require any further information, please do not hesitate to contact our office.

Kind regards / Vriendelike groete

[redacted]

Aon South Africa (Pty) Ltd

[redacted]

LRQA

Current issue date: 30 September 2024
Expiry date: 29 September 2027
Certificate identity number: [redacted]

Original approval(s):
ISO 9001 - 30 September 2009

Certificate of Approval

This is to certify that the Management System of:

ZUTARI (PTY) LTD

[redacted]

has been approved by LRQA to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 0045782

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

The scope of this approval is applicable to:

Consulting Engineers - The provision of infrastructure design and management solutions.

[redacted]

Area Operations Manager - North Asia & SAMEA

Issued by: LRQA Limited

UKAS MANAGEMENT SYSTEMS 9001

LRQA Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'LRQA'. LRQA assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant LRQA entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.
Issued by: LRQA Limited, 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES, United Kingdom

[redacted]

LRQA

Certificate identity number: 10637989

Certificate Schedule

Location	Activities
[redacted]	**ISO 9001:2015** Consulting Engineers - The provision of infrastructure design and management solutions.
	ISO 9001:2015 Consulting Engineers – The provision of infrastructure design and management solutions
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UKAS MANAGEMENT SYSTEMS
0001

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[redacted]ed by: LRQA Limited, 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES, United Kingdom

LRQA

Certificate identity number: 10637989

Certificate Schedule

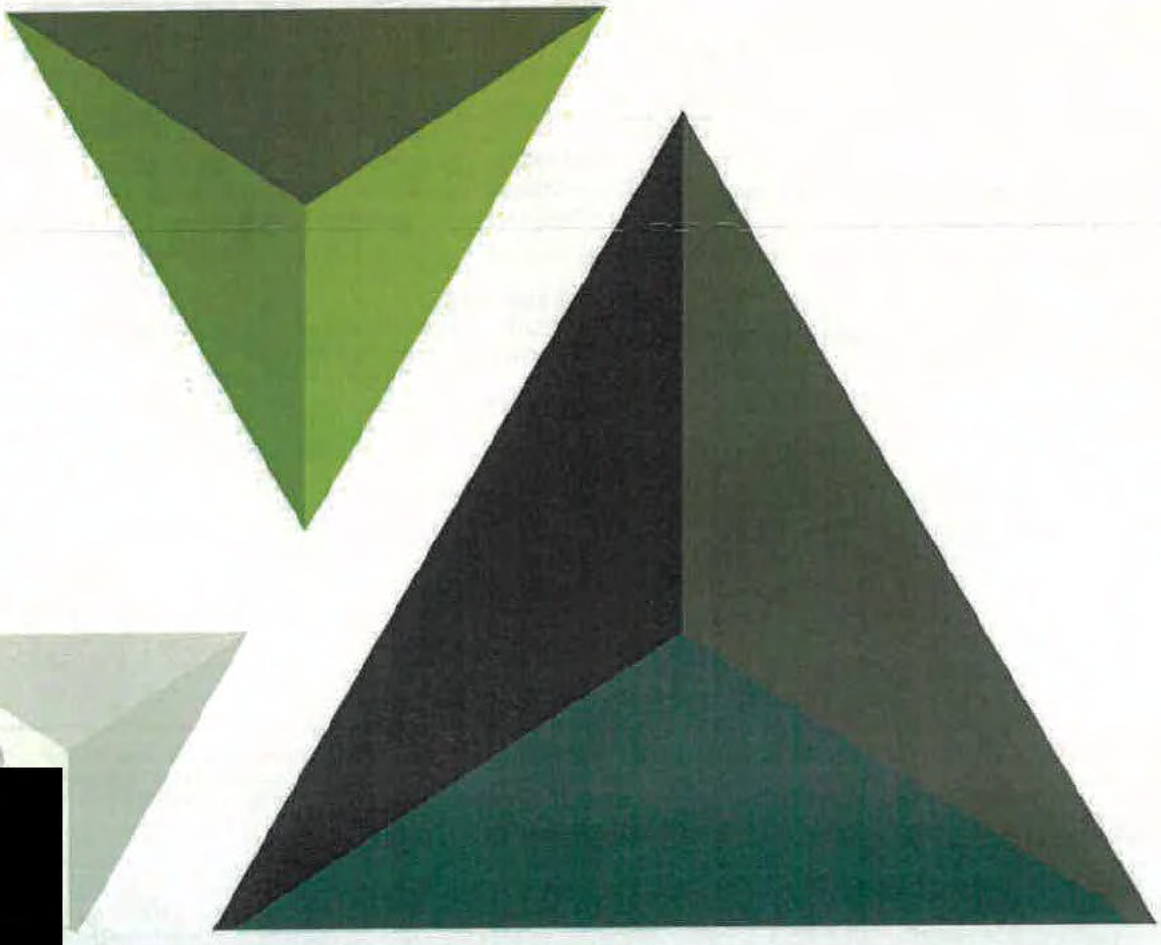
Location	Activities
[redacted]	**ISO 9001:2015** Consulting Engineers – The provision of infrastructure design and management solutions
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UKAS MANAGEMENT SYSTEMS
0001

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Issued by: LRQA Limited, 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES, United Kingdom

[redacted]

ISO 9001: 2015



Environmental Policy



ZUTARI
IMPACT. ENGINEERED.

Environmental Policy

Zutari provides engineering, management, specialist technical and advisory services for government and private sector clients globally. Zutari aims to systematically consider potential environmental consequences of its activities and pursue continual improvement in its daily operations. To achieve this aim it is Zutari's policy to apply and maintain an effective environmental management system complying with the requirements of ISO 14001.

The objectives of our environmental management system are:

- To minimize potential loss of goodwill, credibility and reputation by proactively identifying, mitigating and monitoring environmental risks.
- To establish and monitor environmental management system objectives and targets.
- To implement measures to prevent greenhouse gas emissions and other pollution from our operations, to minimise our waste, usage of water, energy and other consumables.
- To meet environmental requirements of clients, applicable legal and regulatory requirements and standards by effectively assessing and planning all projects from inception through all phases of delivery.
- To collaborate with our clients to enhance the environmental performance of our project deliverables.
- To empower and train our staff to meet objectives and targets of our environmental management system.

We recognize that this policy requires a clear commitment by management to the application, regular review and continual improvement of the environmental management system and an appreciation by our staff and partners working under our control that adherence to the system is everyone's business.

[redacted]

[redacted]CHIEF EXECUTIVE OFFICER

DOC NUMBER: PLY-QES-00002

Date:
July 2024

Health and Safety Policy



[redacted]

ZUTARI
IMPACT ENGINEERED

Health and Safety Policy

At **Zutari**, we value the health, safety and wellbeing of our employees, clients, visitors, business partners and the community. We foster a robust culture in which health, safety and wellbeing is demonstrated by personal commitment and integration into our everyday tasks.

Zutari demonstrates its commitment to health, safety and wellbeing by:



- Implementing and maintaining an effective health and safety management system
- Establishing measurable objectives and performance targets for continual health and safety improvement and measuring Zutari's performance against these targets
- Identifying health and safety hazards, assessing the risks arising from those hazards and eliminating or minimising those risks



- Applying safe design principles and systems of work for plant, substances or structures that encompass the project lifecycle
- Implementing and maintaining safety processes for installing, constructing or commissioning plant or structures



- Complying with applicable legislation, codes of practice and relevant standards, or where Zutari's standards are more comprehensive, adopting and applying those standards
- Reporting and investigating incidents, encouraging the reporting of any hazards or risks (including unsafe conditions or behaviours) and taking the necessary actions to eliminate or minimise those risks
- Promoting and maintaining constructive health and safety consultation and participation with our employees, business partners and relevant stakeholders



- Reviewing, monitoring and verifying the implementation and maintenance of the health and safety management system, including health and conditions at the workplace, to continuously improve Zutari's health and safety performance and prevent illness or injury
- Implementing targeted processes aimed at preventing injuries and ill-health
- Providing and promoting wellbeing programs and initiatives that encourage a physically and psychologically healthy lifestyle



- Adopting active injury management to support return to work practices
- Providing adequate facilities for welfare including access to those facilities
- Providing adequate information, training, instruction or supervision necessary to protect all persons from risks to their health and safety arising from work carried out and to provide and maintain a safe and healthy work environment.

Zutari will not compromise when it comes to health and safety. Zutari foster a visible health and safety leadership culture. We expect our employees, clients, visitors and business partners to embrace Zutari's health and safety culture, commit to comply with this Policy and demonstrate that commitment.
This Policy will be reviewed annually.

[redacted]

[redacted]HIEF EXECUTIVE OFFICER

Date:
June 2024

ZUTARI
IMPACT. ENGINEERED.

Drugs and alcohol policy

At Zutari, we value the health and safety of our workers, clients, visitors, business partners, suppliers and communities. We consider it unacceptable for anyone undertaking work or conducting business with us to be adversely affected by drugs or alcohol.

Zutari has established a drug and alcohol management procedure to support this policy and is committed to:

- Complying with applicable legislation, standards and codes in every jurisdiction where business or work is undertaken
- Providing visibility of the policy / procedure and training to those working for Zutari so the policy is understood
- Complying with client or industry specific drug and alcohol requirements where these exist and set a compliance standard that is higher than that mandated by Zutari
- Establishing a management process for persons performing Zutari work and consuming medically prescribed or over the counter drugs that could have an adverse effect on the person or others
- Establishing guidelines regarding any limited circumstances where it may be acceptable to consume alcohol at Zutari
- Developing arrangements for drug and alcohol testing in the workplace, appropriate access to support services and where warranted, applying appropriate disciplinary actions
- Establishing and maintaining a management process for persons reporting for work under the influence of illegal drugs, adversely affected by alcohol or found in possession and/or using illegal drugs when performing work
- Promoting and maintaining open and constructive health and safety consultation with workers, regulatory authorities, business partners, and any other affected or interested parties regarding this policy

We expect workers, clients, visitors and suppliers to understand and adhere to this policy and actively participate in its implementation. This policy will be made available to all interested parties and reviewed annually.

[redacted]

CHIEF EXECUTIVE OFFICER

Ju[redacted]

ZUTARI
IMPACT. ENGINEERED.

Injury management policy

Zutari aspires to the goal of 'no harm to people' by providing its employees, contractors and visitors with a safe and healthy work environment. We are committed to the effective and safe management of all work-related injuries and illnesses to assist our employees, contractors and visitors to return to work and/or achieve their optimal level of recovery. Zutari appreciates the benefits of early intervention and workplace rehabilitation. Our injury management program provides for a comprehensive and coordinated approach to the management of the injury/illness, compensation claims, rehabilitation and the impact on the employee and our business.

Zutari will achieve this commitment by:



- Early intervention and commencement of occupational rehabilitation following notification of a work-related injury/illness.
- Remaining at work or early return to work being the normal and expected practice.
- Making every effort to provide suitable duties consistent with the nature of the injury/illness, after seeking appropriate medical opinion. This may include modification of pre-injury duties or alternate duties.



- Appointing appropriately qualified and trained personnel to oversee injury management throughout the business.
- Engaging appropriate external expertise as required to assist with injury management.
- Providing all employees with training in injury management, including awareness of their role and legislative rights and responsibilities.



- Presenting all written and verbal injury management information in a manner which enables it to be understood by all employees, irrespective of background and culture.
- Maintaining confidentiality of injury management information with access restricted to authorised personnel.
- Obtaining written authority from employees to enable release of medical information to assist with the rehabilitation process or receive rehabilitation progress reports and advice from consulting service providers.



- Injury management being a consultative process involving the injured employee, line manager and treating doctor (and injury management personnel/rehabilitation consultant.)
- Developing and Implementing an individual return-to work plan where required.
- Periodically reviewing claims with relevant personnel to assess and agree effective injury management strategies.



- Ensuring that participating in occupational rehabilitation does not, of itself, prejudice any injured employee.
- Involving employees in relevant injury management programs through consultation and participation.
- Measuring injury management performance and incorporating it into H&S performance monitoring, so that its effectiveness is actively monitored.

This policy confirms Zutari's commitment to equitable and effective injury management throughout the company and is to be displayed at all work locations. Zutari requires its employees to participate in the implementation of this injury management policy, its injury management programs and to comply with applicable legislation that governs occupational injuries / illnesses. This policy will be made available to all interested parties and reviewed annually.

[redacted]

FFICER

Date:
1 July 2024

1 Purpose

This manual introduces the Zutari Health and Safety Management System (HSMS) and describes how the HSMS integrates with all Zutari business activities.

The manual gives an overview of the HSMS, its document hierarchy and system elements.

It also describes how system procedures are developed and introduced and how the HSMS is maintained and improved.

The HSMS provides the framework for effective management of health and safety across all parts of Zutari's business.

It applies to all Zutari operations whether this involves internal or external clients i.e. Business Enablers, Business Development and Project Delivery.

The HSMS is a vital source for all Zutari personnel and supports them in all aspects of their work. It has been developed with input from Zutari personnel to assist in making each part of the system practical and user-friendly.

The HSMS puts into effect Zutari's Health and Safety Policy commitments to:

- Protect the health and safety of people performing, or affected by, Zutari work
- Comply with legal and other requirements
- Maintain constructive consultation with Zutari's personnel and others involved in Zutari's operations
- Support management and staff in achieving continuous improvement of health and safety
- Improving H&S maturity from proactive to resilient

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4.3 Needs and expectations of workers 3
4.4 Integration with other business systems 3
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3 Context

The context of the Zutari Health and Safety Management System (HSMS) is captured as follows:

- Responding to the Zutari Blueprint 2025's statement on health and safety
- Legal compliance in all locations where we conduct business
- A diverse variety of clients and projects
- Addresses needs of employees and shareholders
- Maturity level progression from proactive to resilient
- HSMS is structured and aligned to ISO 45001:2018

4 Scope of the HSMS and general arrangements

The HSMS applies to all Zutari workplaces and its employees including personnel working on projects or client sites, as well as sub-contractors and sub-consultants.

Where clients impose their own requirements, those will apply as long as they are of a higher / stricter standard than Zutari's requirements.

4.1 Because People Depend on You

"Because People Depend on You" is the cornerstone of the Health and Safety (H&S) culture that is being cultivated within Zutari. H&S Governance and Assurance approaches are all secondary to the reasons why these are implemented in the first place, and that is *"Because People Depend on You"*. This culture addresses the hearts and minds of staff and should be a visible thread in all H&S implementation actions.

4.2 Standards, legal requirements and Zutari's needs

The HSMS is designed to meet the requirements of the:

- ISO 45001: 2018 Occupational Health and Safety Management System
- The stages of Zutari's "The Way We Work"
- Legal compliance in all areas where we conduct work
- A diverse variety of clients and projects
- Interested parties including the following:
    - Clients
    - Board

- MANCO
- CEO
- Shareholders
- H&S Committees
- H&S Champions

4.3 Needs and expectations of workers

An employer that cares for the health, safety and wellbeing of employees at the workplace and H&S processes that reflect this caring behaviour.

4.4 Integration with other business systems

The HSMS integrates with, and supports, the operation of other key business systems:

- Quality Management System – ISO 9001
- Environmental Management System – ISO 14001
- Major Projects

4.5 Development, implementation, maintenance and review of the HSMS

The discipline of Health and Safety resorts under the Chief Assurance Officer function, together with the Quality, Environment and Sustainability, Legal and Risk disciplines.

The Lead: H&S is responsible for directing the development of HSMS documentation. Documents are developed by members of the Zutari health and safety team or by other subject matter practitioners, as required.

The Lead: H&S is responsible for evaluating and reviewing implementation of the HSMS through audit, inspection and the management review processes. Action is taken to improve the HSMS where opportunities for improvement are identified, consistent with goals for continuous improvement.

The HSMS is maintained by the Zutari H&S Team. The team assess the need for revision and improvement to the system, coordinate consultation on system changes, and implement and communicate changes.

The HSMS is reviewed at regular intervals not exceeding two years. It may be reviewed at other times if there is significant change to the business or its operations, or a significant event that indicates the need for a review.

When changes occur to H&S legislation and other requirements (i.e. regulations, codes of practice etc.), they are assessed and changes made to the HSMS, and related documentation, if required.

4.6 Continuous improvement of the HSMS

Continuous improvement is achieved through:

- Identifying areas of opportunity for improvement of the HSMS which lead to improved H&S performance
- Determining the root cause or causes of non-conformance or deficiencies
- Developing and implementing plans of corrective and preventive action to address the root causes
- Verifying the effectiveness of the corrective and preventive actions
- Documenting any changes in procedures resulting from process improvement and
- Conducting comparisons with objectives and targets.

4.7 Corrective action

If deficiencies or opportunities for improvement are identified, corrective actions are implemented by the H&S Team for the ongoing improvement and effectiveness of the HSMS.

4.8 Access to the HSMS

The HSMS is accessible to staff via the Zutari Intranet and other electronic channels. Where electronic access is not available, a hard copy of the HSMS is available from the H&S Team on request.

4.9 Contractors and others

Contractors, visitors and other stakeholders are provided with relevant HSMS information and training when there are health and safety aspects to their involvement with Zutari.

These aspects are addressed in the Contractor Management procedure.

5 Health and Safety Policy

The H&S Policy captures Zutari's commitment to the health and safety of staff, meets legal standards, addresses H&S hazards, and continuous improvement.

It provides for health, safety and wellbeing and covers physical matters, behaviour, and administrative matters.

The H&S Policy is reviewed annually.

6 Health and Safety Strategy

The H&S Strategy is developed annually within the context set by the Zutari Blueprint, the H&S Policy and other internal and external factors.

The H&S Strategy defines a H&S Maturity Index and steps to achieve the Resilient Maturity level.

It includes strategies designed to further progress with integrating health and safety into people's behaviour and into processes for project and service delivery.

It is a key document to guide management in achieving set commitments, objectives, and key performance indicators.

It is compiled with input from H&S subject matter experts, employees and management, and shall compliment and augment all other business strategies.

The Zutari strategy is built on 4 pillars, namely:

- Leadership
- Competence
- Mental Health
- Digitally Minded

Each pillar is well defined and supported by a second layer of measurable actions to be implemented over a defined period.

7 Health and safety maturity index

Zutari subscribes to a H&S Maturity Index that reflects various levels of H&S maturity. Our aim is to meet the requirements of the **"Resilient"** level.

The true 'health' of the safety of Zutari is measured by means of a H&S Maturity survey or similar process.



8 Objectives

Zutari values the health, safety and wellbeing of employees and contractors and aims to protect them from health and safety risks arising out of business activities.

H&S objectives are set to fulfil safety goals and define key performance indicators. It sets specific performance benchmarks for the HSMS.

H&S objectives are identified based on the following:

- Incident statistics
- Leadership maturity
- Training development
- Objectives shall be measurable or capable of performance evaluation

Objectives are captured in element 002 of the HSMS.

To achieve the said objectives, a H&S Strategy has been compiled which outlines systematic actions over a period through which the H&S Objectives, H&S Policy and other expectations are met.

9 Leadership and commitment

Management takes ownership to continue to build on our hearts and minds program and embed H&S processes aimed at managing our most critical risks.

The hearts and minds program is placed into practice by the "My Why" and "Because People Depend on Me" approach.

Our leaders consistently consider health, safety and wellness when making key business decisions.

Our Leaders are visibly caring for our people and accept accountability for strengthening the culture at Zutari.

This is demonstrated by the clearly defined and communicated H&S policy, H&S objectives and the specific aspects relating to leadership of the H&S strategy.

Integration of H&S into business processes occurs consistently and is promoted in "The Way We Work".

Adequately trained and experienced resources are appointed and entrusted with managing and implementation of the HSMS.

Quarterly H&S reports provide a consistent overview of leading and lagging indicators as well as H&S KPI's.

Zutari's H&S Maturity is also assessed on a regular basis measured against a H&S Maturity index – see paragraph 7.

Focus placed on the execution and logging of leadership activities is indicative of management's commitment to display leadership, provide a platform for interaction between leaders and staff and to demonstrate a caring attribute.

The emphasis placed on competency and training in the H&S Strategy provides for a consistent platform through which H&S topics reach all levels of the organisation.

Good governance is addressed by the focus placed on assurance and corrective actions implemented to ensure continual improvement.

Leadership addresses worker participation through various platforms e.g., H&S Committees and the H&S Champion initiative, providing a mechanism whereby workers and management combine in achieving common H&S objectives, notably compliance, awareness and achieving the intended outcome of the HSMS.

10 Roles and responsibilities

A strong emphasis is placed on H&S ownership within Zutari.

Within Zutari, specific leadership roles have been identified and H&S responsibilities assigned to these roles. These roles are assigned to staff level 7 and above.

Managing Directors and Location Leaders are appointed to assist the CEO in ensuring the health, safety and wellbeing of staff.

A second level of supervision is assigned on project level to ensure the health, safety and wellbeing of staff, compliance to legislation and addressing the requirements of the Zutari HSMS.

Top management is strongly aware of the fact that accountability for the functioning of the HSMS remains with the CEO, and therefore reliable communication platforms are utilised to ensure consistent sharing of H&S information, top down and bottom up.

This is evidenced by the H&S Committee, alignment sessions between CEO, Lead: H&S and Unit Managing Directors and Location Leaders.

In each system element, specific roles and responsibilities are also assigned to the leadership team, project executives, managers, H&S Team and employees.

Roles and H&S responsibilities are communicated to those that hold such positions, as well as to all employees in Unit or Office context.

11 Hazard identification and assessment of risks and opportunities

Element 003 addresses hazard identification and risk assessment.

Mechanisms to address H&S opportunities include review of H&S Policy and H&S Strategy, comprehensive incident investigation processes, governance, and assurance cycles and HSMS review processes.

12 Resources

Zutari provides for the appointment of a:

- Lead: Health and Safety,
- Health and Safety Business Partners, and
- Health and Safety Advisors

The H&S Team is supported by H&S Champions located within the respective Units and Locations.

13 Competence and awareness

Zutari acknowledges the importance of ensuring staff at all levels are adequately trained and aware of H&S requirements, tools and where to access information. Competence and awareness of staff is addressed and prioritised in all documents that govern the Zutari HSMS.

Staff that is aware and trained have more success in achieving "The Way We Work", are better equipped to display H&S Leadership, and follow all the procedures and standards intuitively rather than from a compliance point of view, as demonstrated by *"Because People Depend on You"*

A training needs analysis (TNA) focussing on the H&S training and awareness needs of all staff is compiled and managed on Unit, Office, and project level.

Competence requirements are based on better practises, as well as on legal requirements.

The following table provides insight into the H&S training courses online, and which category of staff shall undergo the training. Proof of training is maintained by the Talent Ufundi platform.

Course	Compulsory for:	Frequency	Mode
H&S induction	All	3 - yearly	In-house
Legal liability (all regions)	All leaders and supervisors	3 - yearly	In-house
Visible felt leadership	All level 3+	3 - yearly	In-house
Risk management	All MD's, TD's and identified PM's (or as identified as per Unit / Team TNA)	3 - yearly	In-house
Incident and injury management	MD's, TD's and identified PM's (or as identified as per Unit / Team TNA	3 - yearly	In-house
Mental health for line managers	MD's, TD's and identified PM's (or as identified as per Unit / Team TNA	3 - yearly	In-house
H&S requirements for projects (PM203)	As per assigned per TNA (at least TD's, PM's)	3 - yearly	In-house
Safety in design	Designers	3 - yearly	In-house
My Life Saving Rules	As applicable	3 - yearly	In-house
Zutari tools and H&S Zugle pages	All	3 - yearly	In-house
Journey management	All	3 - yearly	In-house
Mind matters	All	3 - yearly	In-house
Personal security	As applicable	3 - yearly	In-house
Incident reporting	All	3 - yearly	In-house

H&S champions	H&S Champions	Once	In-house
H&S representatives	H&S Representatives	3-yearly	In-house
Fire fighting	Firefighters	Yearly	In-house
First aid	First aiders	3-yearly	External
Emergency evacuation	Fire marshals	Yearly	In-house
External accredited courses required by MLSR	As determined by project baseline risk assessment		

14 HSMS Documentation

14.1 Overview

The hierarchy of system documentation is shown in the following diagram.

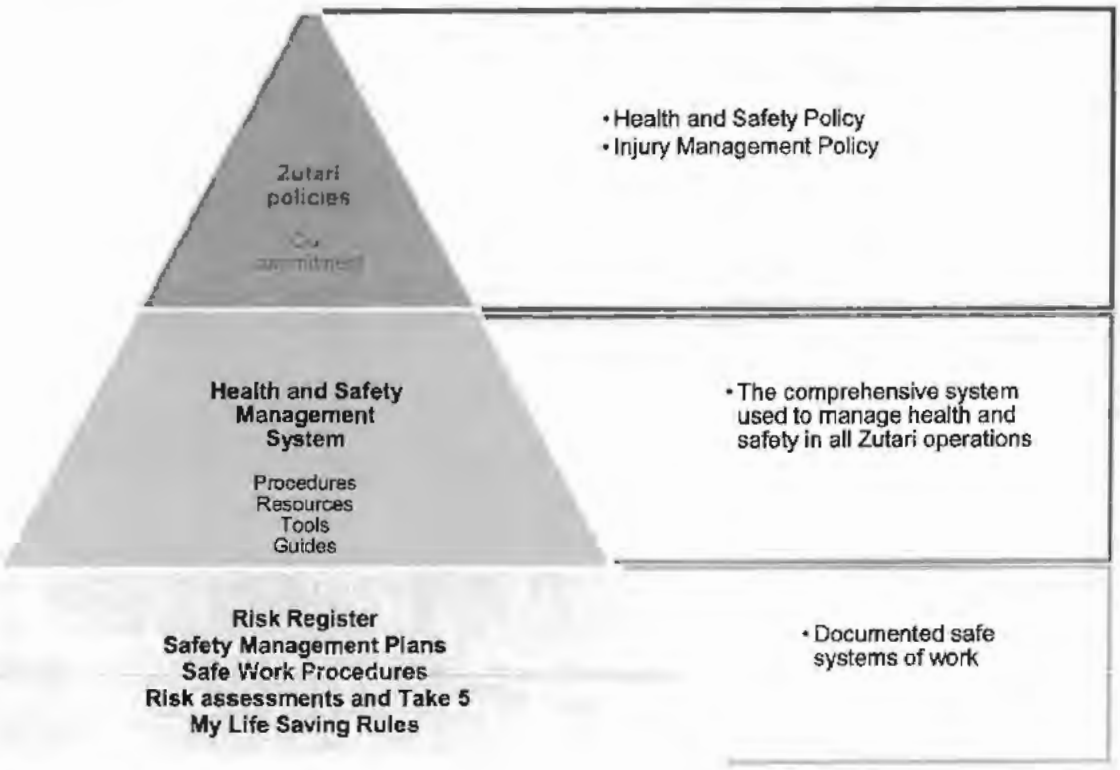


Figure 1: Hierarchy of HSMS documentation

14.2 HSMS approvals

HSMS documentation requires the following approvals:

- Chief Executive Officer – approves the Zutari Health & Safety Policy.
- Requirements & Process Committee – approves all documents
- The Lead of Health and Safety – approves system procedures, forms and tools and Safe Work Procedures.
- Line Manager – approves risk registers and risk assessments

14.3 HSMS elements

The HSMS comprises of 12 elements that together meet all the health and safety requirements of Zutari's business activities. The 12 elements are listed as follows:

Table 1: Zutari's HSMS elements

No.	Element
001	Health and Safety Manual
002	Health and Safety objectives
003	Hazard Identification and Risk Assessment
004	Legal Compliance
005	Consultation and Participation of Workers
006	Documents and Records
007	Contractor Management
008	Emergency Preparedness and Response
009	Management of Change
010	Governance and Assurance
011	Management Review
012	Incident & Injury management

15 Tools, Templates and Associated Documents

H&S Policy
Injury Management Policy
Drugs & Alcohol Policy
Drugs & Alcohol Procedure
Dreaded Diseases Policy
Dreaded diseases procedure - shared with People
Travel directive and guideline - owned by travel manager
Emergency preparedness and response plans
My Life Saving Rules
Alone or isolated work
Confined Spaces
Energy sources and Isolation
Excavation and breaking of ground
Fitness for work
Land transport
Lifting and suspended loads
People, plant and traffic separation
Work at heights
Work in high-risk locations and personal security

H&S Risk Register
H&S Management Plan Templates
Baseline and Task Based Risk Assessment
Take 5's
Journey Management Plan
International travel management plan – incorporated in the travel management system

16 HSMS and "The Way We Work"

A core part of the quality management system is "The Way We Work". It standardises the way we engage our clients and deliver projects, from inception to completion. "The Way We Work" enables Zutari to deliver consistently, cost effectively and in a timely manner.

It consists of 3 stages:

- **Get the right work** – tender stage
- **Do the work well** – delivery stage
- **Get paid quickly**– finances

This approach aims to enhance client relationships and instil confidence that Zutari has a standard, rigorous approach based on quality. "The Way We Work" is a tailored solution which goes beyond ISO requirements.

Delivery of every project or service can by presented by the Plan, Do, Check, Act approach, no matter how small or how big the project may be. The following diagram illustrates this cycle and lists the HSMS procedures likely to be useful at each stage.

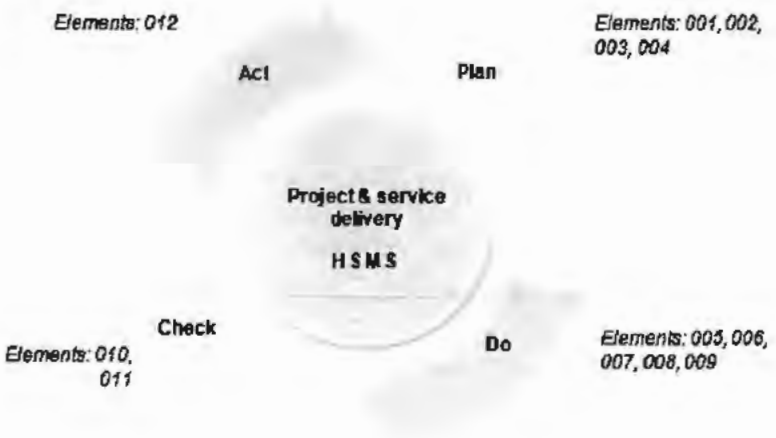


Figure 2: Zutari HSMS - Plan, Do, Check, Act alignment

17 Appendix A – Definitions

Term	Definition
Zutari Health and Safety Policy	• The document that defines the company's commitment to providing a healthy and safe workplace for people performing Zutari work, complying

	with legal and other requirements, and supporting management and staff participation in managing and improving health and safety
Forms and tools	• Forms and tools are used to carry out the health and safety related tasks required to meet the performance criteria set by the HSMS
Guideline	• An advisory document that provides general information regarding a particular health and safety topic, issue, hazard or risk
Health and safety	• Where the term 'health and safety' is used in system procedures it is taken to mean health and safety in the workplace and health and safety as it applies to the various occupational activities undertaken in a workplace. Laws covering health and safety variously describe it as Work Health and Safety (WHS) or Occupational Health and Safety (OHS)
Health and Safety Management System (HSMS)	• That part of the company's management system that defines the structure, planning process, responsibilities, processes, procedures, and resources for complying with the health and safety policy and managing the health and safety hazards/risks of the organisation
Procedure	• A document that defines how to apply a process within an element of the HSMS

18 Appendix B – Roles and Responsibilities

Role	Responsibility
Leadership team	• Ensuring, as far as practical, that the HSMS is implemented within the organisation
Project executives / Managers	• Applying relevant HSMS procedures in their area of control and ensuring compliance with health and safety system requirements • Applying HSMS procedures to identify and address hazards in the workplace and to promote safety consciousness • Executing training and awareness requirements
Employees	• Understanding and applying HSMS procedures in their work area.
Health and Safety (H&S) Team	• Providing advice to all employees to support effective implementation of the HSMS • Provide advice and support for minor incident investigations and lead major incident investigations where required • Provide advice and support to employees

Document control

Document Title		H&S Manual - PRO-001-Manual			
Rev	**Date**	**Revision details / status**	**Author**	**Reviewer**	**Approver**
0	2020/07/01	Zutari original	[redacted]		
1	2022/07/01	1st review 4.2 – added Middle East 4.5, 4.9, 4.14, 6.2 and 12 – replaced Head with Lead 9 and 13 – replaced Unit Managers with Unit Managing Directors and added Location Leaders Specified training and requirements	[redacted]		RAPCO
2	2024/07/01	2nd review Added reference to the H&S Maturity Survey – paragraph 7. Removed reference to the IRB. Removed RSA centric items.	[redacted]		N/A
Signature			[redacted]		

Quality Policy



ZUTARI
IMPACT. ENGINEERED.

Quality Policy

Zutari provides engineering, management, specialist technical and advisory services for government and private sector clients globally. By the application of due care, skill and diligence, we aim to satisfy the specific requirements of each client. To achieve this aim it is Zutari's policy to apply and maintain an effective quality management system complying with the requirements of ISO 9001.

The objectives of our quality management system are:



- To meet requirements of clients and applicable regulatory standards in a cost effective and timely manner by effectively planning all projects through all phases of delivery and by checking, reviewing and appropriately verifying and approving outputs.



- To minimize the potential loss of revenue, profit, goodwill, credibility and reputation by proactively identifying, monitoring and treating risks.



- To build beneficial relationships with our suppliers and clients, both internally and externally, by clearly defining procurement requirements and contractual arrangements by continually monitoring and evaluating their performance.



- To empower and train our staff to meet the objectives of our quality management system.

We recognize that this policy requires a clear commitment by management to the application and continual improvement of the quality management system and an appreciation by our staff and partners working under our control that adherence to the system is everyone's business.

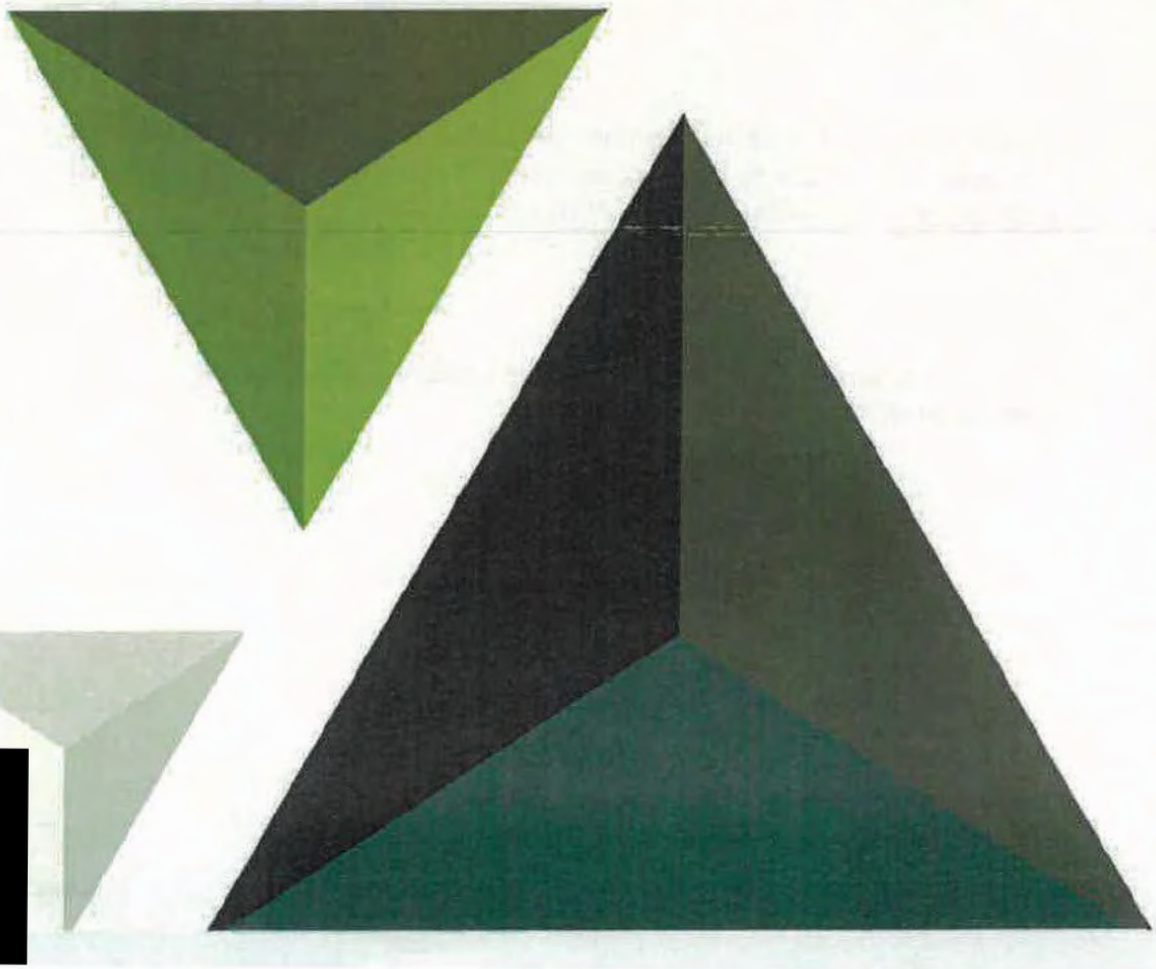
[redacted]

CHIEF EXECUTIVE OFFICER

DOC NUMBER: PLY-QES-00001

Nover[redacted]

COIDA Certificate



2024074702

labour

Department:
Labour
REPUBLIC OF SOUTH AFRICA

CALL CENTER NO [redacted]

CF REG NO [redacted]
REG NO :
ISSUE DATE
CERTIFICATE

ZUTARI PTY LTD
[redacted]

A LETTER OF GOOD STANDING

COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT 130 of 1993 (AS AMENDED).

With reference to sections 80, 82, 86 and 89 of Compensation for Occupational Injuries and Diseases Act 130 of 1993 (As amended), I hereby certify that:

ZUTARI PTY LTD

has complied with the requirement of the above Act and is at present in good standing with the Compensation Fund.

Nature of business :CONSULTING ENGINEERS

Expiry date :2026-04-30

IMPORTANT NOTICE:

Any fraudulently obtained Letter of Good Standing shall constitute a criminal offence.

The Compensation Commissioner shall institute criminal proceedings against any perpetrators who unlawfully alter or deface this letter with intend to defraud or misrepresent facts contained therein.

PLEASE, use the Below link (Website Address) to check if the Letter of Good Standing is valid:
https://cfonline.labour.gov.za/VerifyLOGS

Yours faithfully

[redacted]

COMPENSATION COMMISSIONER

Compensation Fund

W.As. 48
Compensation House, Cnr [redacted]

[redacted]

WCA

Workers Compensation Assistance

[redacted]

18 February 2025

(296 Charles S[redacted]

Zutari(Pty) Ltd 990000328817

Dear Client,

THE PENDING OF LETTER OF GOOD - Zutari(Pty) Ltd 990000328817

This letter confirms that Workers Compensation Assistance is currently managing assessment matters for Zutari(Pty) Ltd 990000328817 and we are in the process of obtaining the Letter of Good Standing from the Compensation Fund. Kindly note that an error has occurred regarding the company registration number on the Zutari LoGS. The updated LOGS unfortunately displays the incorrect registration number. We have escalated the matter to an official at the Compensation Fund and are actively working to resolve the issue

Kindly find herewith the Letter covering until the updated Letter of Good Standing from the Compensation Commissioner is received.

Section 89(1) of the Compensation Act specifically addresses the relationship between Mandators, and Contractors and it is for this purpose that a Mandator typically insists on a Letter of Good Standing from the contractor.

The Commissioner has implemented drastic changes to his process of issuing Letters of Good Standing to curb fraud. Unfortunately, this has had a negative and unforeseen impact on numerous employers who are either fully compliant or who, through no fault of their own, are part of the backlog in the raising of assessments and correction of mistakes.

Please be assured that in terms of the Act, an employee will always be entitled to the benefits in terms of the Act, irrespective whether an employer can obtain a valid letter of Good Standing or not and these current developments do not affect the functioning of the claims sections at the Compensation Fund.

Yours sincerely,

[redacted]

Please refer to [redacted] for our standard email conditions

[redacted]

Members [redacted]

Audited Financial Statements

2022

2023

2024



Zutari (Pty) Ltd

(Registration Number [redacted]

Consolidated and Separate Annual Financial Statements

for the year ended 30 June 2022

Audited Financial Statements

in compliance with Companies Act of South Africa

Prepared by: [redacted]

Professional designation: Chartered Accountant (SA)

Reviewed by: [redacted]

Professional designation: Chartered Accountant (SA)

[redacted]

Zutari (Pty) Ltd

Consolidated and Separate Annual Financial Statements for the year ended 30 June 2022

General Information

Country of Incorporation and Domicile	South Africa
Nature of Business and Principal Activities	Zutari (Pty) Ltd ('the Company') and its subsidiaries (together, 'the Group') use their expertise as consulting engineers to provide advisory, design, delivery and asset management services.
Directors	[redacted]
Registered Office	[redacted]
Auditors	[redacted]
Company Secretary	[redacted]

[redacted]

the consolidated and separate annual financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of the Directors for the Consolidated and Separate Annual Financial Statements
The directors are responsible for the preparation and fair presentation of the consolidated and separate annual financial statements in accordance with International Financial Reporting Standards and the requirements of the Companies Act of South Africa, and for such internal control as the directors determine is necessary to enable the preparation of consolidated and separate annual financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated and separate annual financial statements, the directors are responsible for assessing the group and company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the group and company or to cease operations, or have no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Consolidated and Separate Annual Financial Statements
Our objectives are to obtain reasonable assurance about whether the consolidated and separate annual financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated and separate annual financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated and separate annual financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstetement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpese of expressing an opinion on the effectiveness of the group and company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the directors.
- Conclude on the appropriateness of the directors' use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the group and company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to

Directors' Responsibilities and Approval

The directors are required by the Companies Act of South Africa to maintain adequate accounting records and are responsible for the content and integrity of the consolidated and separate annual financial statements and related financial information included in this report. It is their responsibility to ensure that the consolidated and separate annual financial statements satisfy the financial reporting standards with regards to form and content and present fairly the consolidated and separate statement of financial position,cash flow, results of operations and business of the Group, and explain the transactions,cash flow and financial position of the business of the Group for the year and at the end of the financial year. The consolidated and separate annual financial statements are based upon appropriate accounting policies consistently applied throughout the Group and supported by reasonable and prudent judgements and estimates.

The directors acknowledge that they are ultimately responsible for the system of internal financial control established by the company and place considerable importance on maintaining a strong control environment. To enable the directors to meet these responsibilities, the directors set standards for internal control aimed at reducing the risk of error or loss in a cost effective manner. The standards include the proper delegation of responsibilities within a clearly defined framework, effective accounting procedures and adequate segregation of duties to ensure an acceptable level of risk. These controls are monitored throughout the Group and all employees are required to maintain the highest ethical standards in ensuring the Group's business is conducted in a manner that in all reasonable circumstances is above reproach.

The focus of risk management in the Group is on identifying, assessing, managing and monitoring all known forms of risk across the Group. While operating risk cannot be fully eliminated, the Group endeavours to minimise it by ensuring that appropriate infrastructure, controls, systems and ethical behaviour are applied and managed within predetermined procedures and constraints.

The directors are of the opinion, based on the information and explanations given by management, that the system of internal control provides reasonable assurance that the financial records may be relied on for the preparation of the consolidated and separate annual financial statements. However, any system of internal financial control can provide only reasonable, and not absolute, assurance against material misstatement or loss. The going-concern basis has been adopted in preparing the financial statements. Based on forecasts and available cash resources the directors have no reason to believe that the Group and Company will not be a going concern in the foreseeable future. The consolidated and separate financial statements support the viability of the Group and Company.

The consolidated and separate annual financial statements have been audited by the independent auditing firm, Ernst & Young Inc., who have been given unrestricted access to all financial records and related data, including minutes of all meetings of the shareholder, the directors and committees of the directors. The directors believe that all representations made to the independent auditor during the audit were valid and appropriate. The external auditor's unqualified audit report is presented on pages 3 to 5.

The consolidated and separate annual financial statements set out on pages 6 to 91 which have been prepared on the going concern basis, were approved by the directors and were signed on 26 September 2022 on their behalf by:

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

Report of the Audit and Risk Committee

We are pleased to present our inaugural report for the financial year ended 30 June 2022.

The audit and risk committee is a committee of the board appointed by the directors on 15 September 2022. The committees duties and responsibilities are delegated to the audit and risk committee by the directors of the group.

1. Audit and Risk committee terms of reference

The directors adopted the audit and risk committee's terms of reference on 11 March 2021. Considering the recent appointment of the committee by the board, the audit and risk committee has discharged its responsibilities as set out in paragraphs 4.1 and 4.3 of its terms of reference, to the extent applicable. The newly constituted committee has been tasked by the board to review and if required, propose amendments to the committee's terms of reference for approval by the board.

2. Audit and Risk Committee Members and Attendance

The audit and risk committee is independent and consists of three independent, non-executive directors. It is required to meet at least three times per year as per its terms of reference.

The Chief Financial Officer and the Company's Chief Risk Officer are required to attend meetings of the audit and risk committee but are not members of the committee.

The chairperson of the board, external auditor and other assurance providers (legal, compliance, risk, health and safety) attend meetings by invitation only.

During the year under review no meetings were held.

Name of member		Appointment date
[redacted]	Independent Non-executive	15-Sep-22
	Independent Non-executive	15-Sep-22
	Independent Non-executive	15-Sep-22

The effectiveness of the audit and risk committee and its individual members will be assessed on an annual basis.

Report of the Audit and Risk Committee

Governance of risk

The audit and risk committee is required to provide oversight of the risk policy creation to ensure the policy gives direction on the approved risk strategy. The committee has also been assigned to evaluate and agree on the nature and extent of the risks the Group and Company would be willing to take in pursuit of its strategic objectives , by determining and recommending to the Board for approval the Group's and company's risk appetite and risk tolerance.

The committee is also tasked to review the effectiveness of the Group's and Company's risk management framework , in relations to the core strategic objectives of the Group and Company. Including the regularly review risk management reports from managements and evaluate the effectiveness of the risk management function.

[redacted]

Chairperson of the audit and risk committee
26 September 2022

[redacted]

Directors' Report

7. Directors

The directors of the company during the year and up to the date of this report are as follows:

[redacted]

Social and ethics committee

In line with the requirements of the Companies Act of South Africa, Zutari (Pty) Ltd has appointed a social and ethics committee. The members of the committee are:

Name	Appointment date
[redacted]	15 September 2022
	15 September 2022
	15 September 2022

9. Secretary

The Group's designated secretar[redacted]

10. Shareholder

There have been no changes in ownership during the current financial year.

The shareholder and its interest at the end of the year is:

	Holding
Zutari Investments (Pty) Ltd	100.00%
Zutari Ownership Trust	Ultimate parent

11. Independent Auditors

Ernst & Young Inc. were the independent auditors for the year under review.

[redacted]

Statements of Financial Position

Figures in ZAR `000	Notes	Group 2022	Group 2021	Company 2022	Company 2021
Current liabilities					
Provisions and other payables	21	60,701	62,843	15,576	23,036
Trade and other payables	22	314,066	289,550	171,265	168,527
Current tax liabilities	12	24,742	34,910	11,285	8,014
Lease obligations	23	95,922	86,576	89,952	81,447
Loans from group companies	24	-	-	28,432	28,086
Fees in advance	25	299,750	304,288	171,150	169,107
Total current liabilities		**795,181**	**778,167**	**487,660**	**478,217**
Total liabilities		**1,145,115**	**1,154,884**	**819,596**	**839,176**
Total equity and liabilities		**1,518,689**	**1,511,286**	**1,029,884**	**1,076,597**

Statements of Changes in Equity - Group

Figures in ZAR `000	Share capital	Foreign currency translation reserve *	Demerger Reserve*	Retained income	Attributable to owners of the parent	Non-controlling interests	Total
Balance at 1 July 2020	4	197,670	(1,876)	133,678	329,476	2,828	332,304
Changes in equity							
Profit for the year	-	-	-	148,754	148,754	2,022	150,776
Other comprehensive income	-	(66,676)	-	-	(66,676)	-	(66,676)
Total comprehensive income for the year	-	(66,676)	-	148,754	82,078	2,022	84,100
Dividend recognised as distributions to shareholder	-	-	-	(60,000)	(60,000)	-	(60,000)
Balance at 30 June 2021	**4**	**130,994**	**(1,876)**	**222,432**	**351,554**	**4,849**	**356,403**
Balance at 1 July 2021	4	130,994	(1,876)	222,432	351,554	4,849	356,403
Changes in equity							
Profit for the year	-	-	-	138,995	138,995	119	139,114
Other comprehensive income	-	8,057	-	-	8,057	-	8,057
Total comprehensive income for the year	-	8,057	-	138,995	147,052	119	147,171
Dividend recognised as distributions to shareholder	-	-	-	(130,000)	(130,000)	-	(130,000)
Balance at 30 June 2022	**4**	**139,051**	**(1,876)**	**231,427**	**368,606**	**4,968**	**373,574**
Notes	**20**						

*Other reserves per the Statement of Financial Position

Statements of Cash Flows

Figures in ZAR `000	Notes	Group 2022	Group 2021	Company 2022	Company 2021
Cash flows from operations					
Profit for the year		**139,114**	**150,776**	**102,867**	**84,398**
Adjustments to reconcile profit					
Adjustments for income tax expense		54,839	44,429	42,269	36,877
Adjustments for investment income		(4,895)	(6,053)	(3,790)	(4,303)
Adjustments for finance costs		22,262	21,033	21,573	20,850
Share of loss/(profit) from investments in joint ventures		(1,021)	(961)	(1,021)	(961)
Adjustments for decrease / (increase) in inventories		41,640	11,551	1,886	(20,240)
Adjustments for (increase) / decrease in trade accounts receivable		(125,899)	230,444	(54,183)	107,681
Adjustments for increase in prepayments		(6,887)	(11,005)	(8,185)	(5,904)
Adjustments for decrease in other operating receivables		2,559	45,474	7,179	44,069
Adjustments for increase / (decrease) in trade accounts payable		7,756	(115,178)	6,172	(110,895)
Adjustments for increase / (decrease) in other operating payables		16,760	(50,601)	(3,434)	(39,091)
Adjustments for (decrease) / increase in fees in advance		(4,538)	(7,219)	2,043	(27,119)
Non-cash items					
Adjustments for depreciation and amortisation expense		94,561	97,053	84,366	90,595
Adjustments for impairment losses and reversal of impairment losses recognised in profit or loss		-	15,000	-	-
Movement in provisions		(45,137)	(64,853)	(19,952)	(11,834)
Foreign currency movements		(37,793)	(14,083)	2,762	3,621
Adjustments for (gains) / losses on disposal of non-current assets		2,913	(1,892)	3,002	(1,392)
(Gain)/Loss on modification of lease		(1,319)	4,653	(1,319)	4,653
Gain or bargain purchase		-	(131,467)	-	-
Fines and Penalties		6,242	-	-	-
Total adjustments to reconcile profit		**22,043**	**66,325**	**79,368**	**86,607**
Net cash flows from operations		**161,157**	**217,101**	**182,235**	**171,005**
Interest paid		(2,678)	(1,607)	(2,388)	(1,575)
Interest received		5,268	5,985	4,163	4,235
Income taxes paid	43	(57,157)	(40,132)	(35,381)	(31,113)
Movement in other financial assets		462	2,889	(118)	262
Dividend received from investment in joint venture		1,652	-	1,652	-
Net cash flows from operating activities		**108,704**	**184,236**	**150,163**	**142,814**

Accounting Policies

1. General information

As engineering consultants and trusted advisors, Zutari (Pty) Ltd ('the Company') and its subsidiaries (together, 'the Group') co-creates an impact that enables people, economies and environments to thrive.

The Company is incorporated as a private Company and domiciled in South Africa. The address of its registered office is Zutari Head Office, 41 Matroosberg Rd, Newlands, Pretoria, 0081.

2. Basis of preparation and summary of significant accounting policies

The consolidated and separate annual financial statements of Zutari (Pty) Ltd have been prepared in accordance with International Financial Reporting Standards and the requirements of the Companies Act of South Africa. The consolidated and separate annual financial statements have been prepared under the historical cost convention, except for financial assets and financial liabilities at fair value through profit or loss.

The preparation of consolidated and separate annual financial statements in conformity with International Financial Reporting Standards requires the use of certain critical accounting estimates. It also requires management to exercise its judgement in the process of applying the Group's accounting policies. The areas involving a higher degree of judgement or complexity, or areas where assumptions and estimates are significant to the consolidated and separate annual financial statements are disclosed in note 3.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised if the revision affects only that period or in the period of the revision and future periods if the revision affects both current and future periods.

The principal accounting policies applied in the preparation of these consolidated and separate annual financial statements are set out below. These policies have been consistently applied to all the years presented, unless otherwise stated.

2.1 Consolidation

Subsidiaries

Subsidiaries are all entities over which the Group has control. The Group controls an entity when the Group is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power over the entity. Subsidiaries are fully consolidated from the date on which control is transferred to the Group. They are deconsolidated from the date that control ceases.

The Group applies the acquisition method to account for business combinations. The consideration transferred for the acquisition of a subsidiary is the fair values of the assets transferred, the liabilities incurred to the former owners of the acquiree and the equity interests issued by the Group. The consideration transferred includes the fair value of any asset or liability resulting from a contingent consideration arrangement. Identifiable assets acquired and liabilities and contingent liabilities assumed in a business combination are measured initially at their fair values at the acquisition date. The Group recognises any non-controlling interest in the acquiree on an acquisition-by-acquisition basis, either at fair value or at the non-controlling interest's proportionate share of the recognised amounts of acquiree's identifiable net assets.

Inter-company transactions, balances and unrealised gains on transactions between Group companies are eliminated. Unrealised losses are also eliminated. When necessary, amounts reported by subsidiaries have been adjusted to conform with the Group's accounting policies.

Joint arrangements

The Group applies IFRS 11 to all joint arrangements. Under IFRS 11, investments in joint arrangements are classified as either joint operations or joint ventures depending on the contractual rights and obligations of each investor. Joint ventures are [redacted]counted for using the equity method.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Initial measurement

An item of property, plant and equipment that qualifies for recognition as an asset is initially measured at its cost.

The cost of an item of property, plant and equipment includes:

- its purchase price, including import duties and non-refundable purchase taxes, after deducting trade discounts and rebates.
- any costs directly attributable to bringing the asset to the location and condition necessary for it to be capable of operating in the manner intended by management.

Subsequent measurement - Cost model

After initial recognition, property, plant and equipment is measured at cost less any accumulated depreciation and any accumulated impairment losses.

Subsequent expenditure

Subsequent expenditure incurred on items of property, plant and equipment is only capitalised to the extent that such expenditure enhances the value or previous capacity of those assets. Repairs and maintenance not deemed to enhance the economic benefit or service potential of items of property, plant and equipment are expensed as incurred.

Where the entity replaces parts of an asset, it derecognises the part of the asset being replaced and capitalises the new component.

Depreciation

Depreciation of an asset commences when it is available for use, and ceases at the earlier of the date that the asset is classified as held for sale, or the date that the asset is derecognised.

Each part of an item of property, plant and equipment with a cost that is significant in relation to the total cost of the item is depreciated separately. Land is not depreciated.

The depreciation charge for each period is recognised in profit or loss unless it is included in the carrying amount of another asset. The depreciable amount of an asset shall be allocated on a systematic basis over its useful life. The depreciable amount of an asset is determined after deducting its residual value.

Residual values, useful lives and depreciation methods are reviewed at each financial year end. Where there are significant changes in the expected pattern of economic consumption of the benefits embodied in the asset, the relevant changes will be made to the residual values and depreciation rates, and the change will be accounted for as a change in accounting estimate.

The useful life or depreciation rate and the depreciation method for all major classes of assets are as follows:

Asset class	Useful life	Depreciation method
Buildings	50 years	Straight-line
Motor vehicles	5 years	Straight-line
Plant & Equipment	3 - 10 years	Straight-line
Property, plant and equipment under operating leases	2 - 10 years	Straight-line

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Subsequent measurement - Cost model

After initial recognition, intangible assets are measured at cost less any accumulated amortisation and any accumulated impairment losses.

Amortisation

An intangible asset is regarded by the entity as having an indefinite useful life when, based on an analysis of all of the relevant factors, there is no foreseeable limit to the period over which the asset is expected to generate net cash inflows. Intangible assets with an indefinite useful life are not amortised, but are tested for impairment annually and whenever there is an indication that the intangible asset may be impaired. The intangible asset's determination as having an indefinite useful life is also reviewed annually to determine whether events and circumstances continue to support the indefinite useful life assessment. Reassessing the useful life of an intangible asset as finite rather than indefinite is an indicator that the asset may be impaired.

For other intangible assets, amortisation is allocated on a systematic basis over its useful life. Where an intangible asset has a residual value, the depreciable amount is determined after deducting its residual value.

The residual values of intangible assets are assumed to be zero unless:

- there is a commitment by a third party to purchase the asset at the end of its useful life; or
- there is an active market for the asset and:
  - residual value can be determined by reference to that market; and
  - it is probable that such a market will exist at the end of the asset's useful life.

Residual values as well as the useful lives of all assets are reviewed annually. Changes in residual values are treated as a change in estimate and treated in accordance with the relevant accounting policies.

The classification of useful lives and amortisation methods for the various classes of assets are as follows:

Asset class	Useful life	Amortisation method
Computer software	3 years	Straight-line

Impairments

The entity tests for impairment where there is an indication that an asset may be impaired. An assessment of whether there is an indication of possible impairment is done at each reporting date. Where the carrying amount of an item of property, plant and equipment is greater than the estimated recoverable amount, it is written down immediately to its recoverable amount. The resulting impairment loss is recognised immediately in profit or loss, except where the decrease reverses a previously recognised revaluation increase for the same asset in which case the decrease is recognised in other comprehensive income to that extent and reduces the amount accumulated in equity under revaluation surplus, and future depreciation charges are adjusted in future periods to allocate the revised carrying amount, less its residual value, on a systematic basis over its remaining useful life.

Derecognition

An asset is derecognised on disposal or when no future economic benefits are expected from its use or disposal. The gain or loss on disposal is recognised in profit or loss.

2.5 Financial instruments

Initial measurement

Financial assets

When a financial asset is recognised initially, it is measured at its fair value plus, in the case of a financial asset not at fair value through profit or loss, transaction costs that are directly attributable to the acquisition or issue of the financial asset.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Equity instruments

All equity investments are subsequently measured at fair value.

- Fair value through OCI: elected to present fair value gains and losses on equity investments in OCI
  - There is no subsequent reclassification of fair value gains and losses to profit or loss following the derecognition of the investment.
  - Dividends from such investments continue to be recognised in profit or loss as other income when the group's right to receive payments is established.
  - Impairment losses (and reversal of impairment losses) are not reported separately from other changes in fair value.
- Fair value through profit or loss: assets that do not meet the criteria for amortised cost or fair value through OCI
  - Changes in the fair value are recognised in other gains/(losses) in the statement of profit or loss as applicable.

Financial liabilities

Subsequent measurement of financial liabilities depends on their classification:

- Fair value through profit or loss: financial liabilities held for trading and financial liabilities designated upon initial recognition as at fair value through profit or loss

  Financial liabilities are classified as held for trading if they are incurred for the purpose of repurchasing in the near term.

  This category also includes derivative financial instruments entered into by the Group that are not designated as hedging instruments in hedge relationships as defined by IFRS 9.

  Separated embedded derivatives are also classified as held for trading unless they are designated as effective hedging instruments.

  Gains or losses on liabilities held for trading are recognised in the statement of profit or loss.

  Financial liabilities designated upon initial recognition at fair value through profit or loss are designated at the initial date of recognition, and only if the criteria in IFRS 9 are satisfied. The company has not designated any financial liability as at fair value through profit or loss.

- Amortised cost: Loans and borrowings

  After initial recognition, interest-bearing loans and borrowings are subsequently measured at amortised cost using the effective interest rate method.

  Gains and losses are recognised in profit or loss when the liabilities are derecognised as well as through the effective interest rate amortisation process.

  Amortised cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the effective interest rate.

  The effective interest rate amortisation is included as finance costs in the statement of profit or loss.

  This category generally applies to interest-bearing loans and borrowings.

Offsetting financial instruments

Financial assets and liabilities are offset and the net amount reported in the statements of financial position when there is a legally enforceable right to offset the recognised amounts and there is an intention to settle on a net basis or realise the asset and settle the liability simultaneously. The legally enforceable right must not be contingent on future events and must be enforceable in the normal course of business and in the event of default, insolvency or bankruptcy of the Company or the counterparty.

Derecognition

Financial assets are derecognised when the contractual rights to the cash flows from the financial asset expire or when it is transferred and the transfer qualifies for derecognition.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

An allowance for ECLs is based on the difference between the contractual cash flows due in accordance with the contract and all the cash flows that the Group expects to receive, discounted at an approximation of the original effective interest rate. For trade receivables and work in progress, the Group applies a simplified approach in calculating ECLs. The Group has established a provision matrix that is based on its historical credit loss experience, adjusted for forward-looking factors specific to the debtors and the economic environment. The provision rates depend on the number of days a receivable is past due, with rates increasing as the receivable becomes more aged.

Objective evidence that the Company or Group will not be able to collect the receivables includes financial difficulties of the debtor or default in payments. The Group considers a receivable to be in default when it is 180 days past due unless there is objective evidence to support otherwise. The amount of the allowance is the receivable carrying amount compared to the present value of estimated future cash flows.

Bad debts are written off as incurred.

Cash and cash equivalents

Cash and cash equivalents comprise cash at bank and in hand, and other short-term highly liquid investments that are readily convertible to a known amount of cash and are subject to an insignificant risk of changes in value.

For the purposes of the Statement of cash flows, cash and cash equivalents consist of cash and cash equivalents as defined above, net of outstanding bank overdrafts.

Trade and other payables

Trade payables and other payables are carried at amortised cost. Due to their short-term nature they are not discounted. They represent liabilities for goods and services provided to the Group prior to the end of the financial year that are unpaid and arise when the Group becomes obliged to make future payments in respect of the purchase of these goods and services. Trade payables are normally settled on 30-day terms.

Interest-bearing borrowings

Interest-bearing borrowings are recognised initially at fair value less attributable transaction costs. Subsequent to initial recognition, interest-bearing borrowings are stated at amortised cost with any difference between cost and redemption value being recognised in profit or loss over the period of the borrowings on an effective interest basis.

2.6 Prepayments

Prepayments consist of various payments that have been made in advance for goods and services to be received in future. Prepayments are measured at cost, and are derecognised when the goods and services to which the prepayments relate have been received.

2.7 Inventories

Recognition

Inventories are recognised as an asset when

- it is probable that future economic benefits associated with the item will flow to the entity; and
- the cost of the inventories can be measured reliably.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

A deferred tax asset is recognised for all deductible temporary differences to the extent that it is probable that taxable profit will be available against which the deductible temporary difference can be utilised, unless the deferred tax asset arises from the initial recognition of an asset or liability in a transaction that:

- is not a business combination; and
- at the time of the transaction, affects neither accounting profit nor taxable profit (tax loss).

A deferred tax asset is recognised for the carry-forward of unused tax losses and unused tax credits to the extent that it is probable that future taxable profit will be available against which the unused tax losses and unused tax credits can be utilised.

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply to the period when the asset is realised or the liability is settled, based on tax rates and tax laws that have been enacted or substantively enacted by the end of the reporting period.

The measurement of deferred tax liabilities and deferred tax assets are made to reflect the tax consequences that would follow from the manner in which it is expected, at the end of the reporting period, recovery or settlement if temporary differences will occur.

Deferred tax assets and liabilities are offset only where:

- there is a legally enforceable right to set off current tax assets against current tax liabilities; and
- the deferred tax assets and the deferred tax liabilities relate to income taxes levied by the same taxation authority on either the same entity within the group or different taxable entities within the Group which intend either to settle current tax liabilities and assets on a net basis, or to realise the assets and settle the liabilities simultaneously, in each future period in which significant amounts of deferred tax liabilities or assets are expected to be settled or recovered.

Tax expense (income)

Current and deferred tax is recognised as income or an expense and included in profit or loss for the period, except to the extent that the tax arises from:

- a transaction or event which is recognised, in the same or a different period, outside profit or loss, either in other comprehensive income or directly in equity.
- a business combination other than the acquisition by an investment of a subsidiary that is required to be measured at fair value through profit or loss.

Current tax and deferred tax is recognised outside profit or loss if the tax relates to items that are recognised, in the same or a different period, outside profit or loss. Therefore, current tax and deferred tax that relates to items that are recognised, in the same or a different period:

- in other comprehensive income, will be recognised in other comprehensive income;
- directly in equity, will be recognised directly in equity.

2.10 Leases as lessee

Identification of a lease

At inception of a contract, it is assessed to determine whether the contract is, or contains, a lease. A contract is, or contains, a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration. If the terms and conditions of a contract are changed, it is reassessed to once again determine if the contract is still or now contains a lease.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

The lease liability is initially measured at the present value of the lease payments that are not yet paid at the commencement date. Lease payments are discounted using the interest rate implicit in the lease, if the rate can be readily determined, else it is based on the relevant Group entity's incremental borrowing rate. The following lease payments are included where they are not paid at the commencement date:

- fixed payments, less any lease incentives receivable;
- variable lease payments that depend on an index or a rate, initially measured using the index or rate as at the commencement date;
- amounts expected to be payable under residual value guarantees;
- the exercise price of a purchase option if there is reasonably certainty that the option will be exercised; and
- payments of penalties for terminating the lease, if the lease term reflects the exercising an option to terminate the lease.

Subsequently, the lease liability is measured by:

- increasing the carrying amount to reflect interest on the lease liability;
- reducing the carrying amount to reflect the lease payments made; and
- remeasuring the carrying amount to reflect any reassessment or lease modifications or to reflect revised in-substance fixed lease payments.

Interest on the lease liability in each period during the lease term is the amount that produces a constant periodic rate of interest on the remaining balance of the lease liability. The periodic rate of interest is the discount rate described above, or if applicable the revised discount rate described below.

Profit or loss for the year will include the interest expense on the lease liability, and the variable costs not included in the measurement of the lease liability are included in the year in which the event of condition that triggers the payment of the variable costs occurs.

Reassessment of the lease liability

Where there are changes in the lease payments, the amount of the remeasurement of the lease liability is recognised as an adjustment to the right-of-use asset. Where the carrying amount of the right of use asset is reduced to zero, and there is a further reduction in the measurement of the lease liability, the remaining amount of the remeasurement is recognised in profit or loss.

The remeasurement is performed by discounting the revised lease payments using a revised discount rate where there is a change in the lease term or where there is a change in the assessment of exercising an option contained in the contract. The discount rate is revised to the interest rate implicit in the remainder of the lease term if it can be readily determined, or at the relevant Group entity's incremental borrowing rate at the date of the reassessment.

The remeasurement is performed by discounting the revised lease payments if there is a change in the amounts expected to be payable under a residual value guarantee, or if there is a change in the future lease payments resulting from a change in an index or a rate used to determine those payments. This remeasurement will use an unchanged discount rate unless the change in lease payments resulted from a change in a floating interest rate.

Lease modifications

A lease modification is treated as a separate lease if both: the modification increases the scope of the lease by adding the right to use one or more underlying assets, and the consideration for the lease increases by an amount commensurate with the stand-alone price for the increase in scope and any appropriate adjustments to that stand-alone price to reflect the circumstances of the particular contract.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Initial measurement

The net investment in the lease is measured using the interest rate implicit in the lease. In the case of a sublease, if the interest rate implicit in the sublease cannot be readily determined, the discount rate used for the head lease (adjusted for any initial direct costs associated with the sublease) is used to measure the net investment in the sublease. Initial direct costs are included in the initial measurement of the net investment in the lease and reduce the amount of income recognised over the lease term.

At the commencement date, the lease payments included in the measurement of the net investment in the lease comprise the following payments for the right to use the underlying asset during the lease term that are not received at the commencement date:

- fixed payments, less any lease incentives payable;
- variable lease payments that depend on an index or a rate, initially measured using the index or rate as at the commencement date;
- any residual value guarantees provided by the lessee, a party related to the lessee or a third party that is financially capable of discharging the obligations under the guarantee;
- the exercise price of a purchase option if the lessee is reasonably certain to exercise that option; and
- payments of penalties for terminating the lease, if the lease term reflects the lessee exercising an option to terminate the lease.

Subsequent measurement

Finance income is recognised over the lease term, based on a pattern reflecting a constant periodic rate of return on the net investment in the lease.

Derecognition and impairment

The derecognition and impairment criteria applicable to financial instruments is applied to finance lease assets.

Lease modifications

Modifications to a finance lease are accounted for as a separate lease if both:

- the modification increases the scope of the lease by adding the right to use one or more underlying assets; and
- the consideration for the lease increases by an amount commensurate with the stand-alone price for the increase in scope and any appropriate adjustments to that stand-alone price to reflect the circumstances of the particular contract.

Modifications to a finance lease that are not accounted for as a separate lease are accounted for as follows:

- if the lease would have been classified as an operating lease had the modification been in effect at the inception date, account for the lease modification as a new lease from the effective date of the modification; and measure the carrying amount of the underlying asset as the net investment in the lease immediately before the effective date of the lease modification.
- otherwise, apply the requirements of IFRS 9.

2.12 Provisions

A provision is recognised when:

- there is a present obligation (legal or constructive) as a result of a past event;
- it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation; and
- a reliable estimate can be made of the amount of the obligation.

The amount recognised as a provision is the best estimate of the expenditure required to settle the present obligation at the end of the reporting period. Where the effect of the time value of money is material, the amount of a provision is the present value of the expenditures expected to be required to settle the obligation.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Prior to the adoption of IFRS 15, the Group applied a probability approach for revenue recognition where uncertainties were included in the contract. Upon adoption of IFRS 15, the Group refined the measurement mechanics for unapproved variations and other variable considerations. Unapproved variations and other variable considerations are included in the contract price to the extent it is highly probable (as required under the new standard) that the cumulative amount of revenue recognised in respect of a contract at the end of a reporting period will not be subject to significant reversal when variations are approved and/or uncertainties are resolved. When revenue is recognised based on probabilities using the expected value method, a level of judgement is applied based on past experience and historical performance on similar contracts or similar clients.

For contracts where the Group is responsible for subcontracting labour, the Group continues to reflect the amounts of such items in both revenues and costs under IFRS 15 in a 'principal' capacity. The Group refers to such costs as 'pass-through costs' as the Group is primarily responsible to the client for the specified services under the contract.

IFRS 15 uses the terms 'receivables', 'contract asset' and 'contract liability' to describe what might more commonly be known to the Group as 'Trade debtors', 'Work in Progress' and 'Fees in Advance'. Given IFRS 15 does not prohibit an entity from using alternative descriptions, the Group continues to retain the existing terminology in the financial statements.

Fees in advance represents the difference between fees earned on each project and the total amount billed where billings exceeds the fee earned. The calculation of fees earned includes estimated future costs on each project up to the stage of completion at 30 June each year. The stage of completion is determined by referring to the physical proportion of the contract work completed.

Work in progress represents the difference, at productive cost, between fees earned on each project and the total amount billed where earned fees exceed billings.

2.14 Employee benefits

Short-term employee benefits

Compensation paid to employees for the rendering of services is recognised at the undiscounted amount paid or expected to be paid in the accounting period in which the services were rendered.

Where employees accumulate entitlement for paid absences, an expense is recognised as the additional amount that the entity expects to pay as a result of the unused entitlement that has accumulated at the end of the reporting period. In the case of non-accumulating paid absences, the expense is recognised only when the absences occur.

The expected cost of profit-sharing and bonus payments are recognised when there is a present legal or constructive obligation to make such payments as a result of past events, and a reliable estimate of the obligation can be made. A present obligation exists when there is no realistic alternative but to make the payments.

Defined contribution plans

Defined contribution plans are post-employment benefit plans under which an entity pays fixed contributions into a separate entity (a fund) and will have no legal or constructive obligation to pay further contributions if the fund does not hold sufficient assets to pay all employee benefits relating to employee services in the current and prior periods.

Employees' end of service benefit

The entitlements to these benefits are based upon the employees' final salary and length of service, subject to the completion of a minimum service period. The expected costs of these benefits are accrued over the period of employment.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Inventories

Inventories comprise work in progress and are valued at cost, plus profit recognised to date less any provision for anticipated future losses.

Other items included in inventories are valued at the lower of cost and net realisable value. The net realisable value is the estimated selling price in the ordinary course of business, less estimated costs of completion and the estimated costs necessary to make the sale.

Non-derivative financial liabilities

Fair value, which is determined for disclosure purposes, is calculated based on the present value of future principal and interest cash flows, discounted at the market rate of interest at the reporting date. In respect of the liability component of convertible notes, the market rate of interest is determined by reference to similar liabilities that do not have a conversion option. For finance leases the market rate of interest is determined by reference to similar lease agreements.

Interest rates used for determining fair values

The interest rates used to discount estimated cash flows where applicable are based on the government yield curve at the reporting date plus an adequate constant credit spread.

3. Critical accounting estimates and judgements

The key assumptions concerning the future and other key sources of estimation uncertainty at the reporting date, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year, are described below. The Directors evaluate estimates and judgements incorporated into the Statement of Financial Position and Statement of Profit or Loss and Other Comprehensive Income based on historical knowledge and best available current information. Estimates assume a reasonable expectation of future events and are based on current trends and economic data, obtained both externally and within the Group. Existing circumstances and assumptions about future developments, however, may change due to market changes or circumstances arising that are beyond the control of the Group. Such changes are reflected in the assumptions when they occur.

Accounting Policies

Critical accounting estimates and judgements continued...

3.1.1 Income taxes

The group is subject to income taxes in numerous jurisdictions. Significant judgement is required in determining the worldwide provision for income taxes. There are many transactions and calculations for which the ultimate tax determination is uncertain. The group recognises liabilities for anticipated tax audit issues based on estimates of whether additional taxes will be due. Where the final tax outcome of these matters is different from the amounts that were initially recorded, such differences will impact the current and deferred income tax assets and liabilities in the period in which such determination is made.

4. Changes in accounting policies and disclosures

4.1 Standards and interpretations effective and adopted in the current year

At the date of authorisation of these financial statements for the year ended 30 June 2022, the following IFRSs were adopted:

Reference to the Conceptual Framework (Amendments to IFRS 3)
The amendments update an outdated reference to the Conceptual Framework in IFRS 3 without significantly changing the requirements in the standard.

Application of the above standard did not impact these consolidated and separate financial statements.

4.2 New standards and interpretations not yet adopted

The Group and Company has not applied the following new, revised or amended pronouncements that have been issued by the IASB as they are not yet effective for the annual financial year beginning 1 July 2021 (the list does not include information about new requirements that affect interim financial reporting or first-time adopters of IFRS since they are not relevant to the Group and Company). The directors anticipate that the new standards, amendments and interpretations will be adopted in the Group and Company's consolidated and separate financial statements when they become effective. The Group and Company has assessed, where practicable, the potential impact of all these new standards, amendments and interpretations that will be effective in future periods and do not expect material impact.

Extension of the Temporary Exemption from Applying IFRS 9 (Amendments to IFRS 4)
The amendment changes the fixed expiry date for the temporary exemption in IFRS 4 Insurance Contracts from applying IFRS 9 Financial Instruments, so that entities would be required to apply IFRS 9 for annual periods beginning on or after 1 January 2023.

The mandatory implementation required by the standard is for years beginning on or after 1 January 2023. This change in accounting policy will be implemented for the first time for the financial year ending 30 June 2024.

Classification of Liabilities as Current or Non-Current (Amendments to IAS 1)
The amendments aim to promote consistency in applying the requirements by helping companies determine whether, in the statement of financial position, debt and other liabilities with an uncertain settlement date should be classified as current (due or potentially due to be settled within one year) or non-current.

The mandatory implementation required by the standard is for years beginning on or after 1 January 2023. This change in accounting policy will be implemented for the first time for the financial year ending 30 June 2024.

Classification of Liabilities as Current or Non-current — Deferral of Effective Date (Amendment to IAS 1)
The amendment defers the effective date of the January 2020 amendments by one year, so that entities would be required to apply the amendment for annual periods beginning on or after 1 January 2023.

Accounting Policies

Changes in accounting policies and disclosures continued...

The mandatory implementation required by the standard is for years beginning on or after 1 January 2023. This change in accounting policy will be implemented for the first time for the financial year ending 30 June 2024.

Deferred Tax related to Assets and Liabilities arising from a Single Transaction (Amendments to IAS 12)

The amendments clarify that the initial recognition exemption does not apply to transactions in which equal amounts of deductible and taxable temporary differences arise on initial recognition.

The mandatory implementation required by the standard is for years beginning on or after 1 January 2023. This change in accounting policy will be implemented for the first time for the financial year ending 30 June 2024.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Property, plant and equipment continued...

Reconciliation for the year ended 30 June 2021 - Group	Buildings	Motor vehicles	Plant & Equipment	Leased Buildings (Right of use)	Total
Balance at 1 July 2020					
At cost	57,054	10,821	265,642	240,344	**573,861**
Accumulated depreciation	(10,519)	(9,996)	(187,694)	(41,023)	**(249,232)**
Net book value	**46,535**	**825**	**77,948**	**199,321**	**324,629**
Movements for the year ended 30 June 2021					
Additions	-	-	41,948	102,543	**144,491**
Acquisitions through business combinations	-	-	4,610	2,822	**7,432**
Increase (decrease) through exchange rate differences	(12,336)	(36)	(1,053)	(366)	**(13,791)**
Depreciation	(918)	(257)	(28,494)	(64,902)	**(94,571)**
Impairment loss recognised in profit or loss	(15,000)	-	-	-	**(15,000)**
Disposals	-	-	(8,425)	(30,107)	**(38,532)**
Property, plant and equipment at end of year	**18,281**	**532**	**86,534**	**209,311**	**314,658**
Closing balance at 30 June 2021					
At cost	41,784	9,281	279,022	280,681	**610,768**
Accumulated depreciation	(23,503)	(8,749)	(192,488)	(71,370)	**(296,110)**
Net book value	**18,281**	**532**	**86,534**	**209,311**	**314,658**

nd equipment continued...

r the year ended 30 June 2021 - Company	Buildings	Motor vehicles	Plant & Equipment	Leased Buildings (Right of use)
2020				
	-	5,551	251,254	238,878
reciation	-	(4,853)	(174,115)	(39,741)
	-	698	77,139	199,137
he year ended 30 June 2021				
	-	-	41,057	93,414
	-	(220)	(27,437)	(60,692)
se) through other changes	-	-	-	-
	-	-	(8,424)	(30,107)
nd equipment at end of year	-	478	82,335	201,752
t 30 June 2021				
	-	5,163	221,715	269,933
reciation	-	(4,685)	(139,380)	(68,181)
	-	478	82,335	201,752

n Plant and Equipment have been leased in terms of instalment sale agreements entered into with various financial institutions, the details of which are

ions to Plant and Equipment are finance leased assets (right of use assets) for the Group and Company to the value of R 37,8 million (2021: R12,3

fully depreciated plant and equipment still in use for the Group is R51 million (2021: R42 million) and for the Company R 43 million (2021: R37,8

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Intangible assets continued...

Reconciliation for the year ended 30 June 2022 - Company	Computer software	Total
Balance at 1 July 2021		
At cost	8,545	8,545
Accumulated amortisation and impairment	(4,665)	(4,665)
Net book value	**3,880**	**3,880**
Movements for the year ended 30 June 2022		
Additions	1,579	1,579
Amortisation	(1,748)	(1,748)
Intangible assets at end of period	**3,711**	**3,711**
Closing balance at 30 June 2022		
At cost	10,124	10,124
Accumulated amortisation and impairment	(6,413)	(6,413)
Net book value	**3,711**	**3,711**
Reconciliation for the year ended 30 June 2021 - Company		
Balance at 1 July 2020		
At cost	10,759	10,759
Accumulated amortisation and impairment	(8,980)	(8,980)
Net book value	**1,779**	**1,779**
Movements for the year ended 30 June 2021		
Additions	4,347	4,347
Amortisation	(2,246)	(2,246)
Intangible assets at end of period	**3,880**	**3,880**
Closing balance at 30 June 2021		
At cost	8,545	28,275
Accumulated amortisation and impairment	(4,665)	(24,395)
Net book value	**3,880**	**3,880**

Notes to the Consolidated and Separate Annual Financial Statements

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Investments in subsidiaries, joint operations and joint ventures continued...

7.2.3 Summarised financial information for subsidiaries with non-controlling interests before inter-company eliminations

	Zutari (Namibia) (Pty) Ltd
At 30 June 2022	
Non-current assets	1,829
Current assets	23,362
Non-current liabilities	(95)
Current liabilities	(5,986)
Retained earnings attributable to owners of the company	14,141
Non-controlling interest	4,968
Revenue	17,305
Profit or (loss)	3,457
At 30 June 2021	
Non-current assets	1,509
Current assets	22,212
Current liabilities	(8,068)
Retained earnings to owners of the company	10,803
Non-controlling interest	4,849
Revenue	11,248
Profit or (loss)	1,692

7.3 Investments in joint ventures

7.3.1 Details of the Group's material joint ventures at the end of the reporting period are as follows:

Name of joint venture	Interest 2022	Interest 2021	Measurement base	Place of incorporation and business
Specialised Road Technologies (Pty) Ltd	18%	18%	Equity	South Africa
Nature of business: Specialised and reference testing				

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021

Investments in subsidiaries, joint operations and joint ventures continued...

Summarised financial information on the Statement of Profit or Loss and Other Comprehensive Income 2021:

Revenue	30,497
Profit or (loss) from continuing operations before tax	3,620
Total comprehensive income/(loss)	3,620
Cash and cash equivalents included in current assets above	24,352
Current financial liabilities excluding trade and other payables	(293)
Depreciation and amortisation	3,158
Interest income	795
Interest expense	16
Income tax expense	443

7.4 Investments in joint operations

Details of the Group's material joint operations at the end of the reporting period are as follows:

Name of joint operation	Nature of business	Place of incorporation and business
Bicon	Business activities include the upgrading of roads.	Namibia
Mokolo Crocodile Consult River	MCC water resources development project.	South Africa
Zutari Ndodana Joint Venture	Olifants River water resources development project.	South Africa

7.4.1 Proportion of interest and voting rights held in the joint operation

	Interest 2022	Voting rights 2022	Interest 2021	Voting rights 2021
Bicon	69%	69%	77%	77%
Mokolo Crocodile Consult River	0%	0%	35%	35%
Zutari Ndodana Joint Venture	65%	65%	65%	65%
AUROMK	64%	64%	64%	64%

Investments in joint operations were proportionately accounted for in compliance with IFRS 11. The amounts are deemed immaterial for disclosure purposes for Group and Company.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Financial assets continued...

	At fair value through profit or loss*	At amortised cost	Total
Year ended 30 June 2021 - Group			
Unlisted investments (Note 13)	286	-	**286**
Other financial assets (Note 14)	-	21,695	**21,695**
Other loans and investments (Note 15)	4,970	1,942	**6,912**
Loans to shareholders (Note 17)	-	1,250	**1,250**
Trade and other receivables excluding non-financial assets (Note 10)	-	498,288	**498,288**
Cash and cash equivalents (Note 19)	-	339,370	**339,370**
	5,256	**862,545**	**867,801**

	At fair value through profit or loss*	At amortised cost	Total
Year ended 30 June 2022 - Company			
Unlisted investments (Note 13)	286	-	**286**
Other financial assets (Note 14)	-	476	**476**
Other loans and investments (Note 15)	4,343	2,196	**6,539**
Loan to group company (Note 16)	-	203,913	**203,913**
Trade and other receivables excluding non-financial assets (Note 10)	-	305,021	**305,021**
Cash and cash equivalents (Note 19)	-	91,869	**91,869**
	4,629	**603,475**	**608,104**

	At fair value through profit or loss*	At amortised cost	Total
Year ended 30 June 2021 - Company			
Unlisted investments (Note 13)	286	-	**286**
Other financial assets A (Note 14)	-	358	**358**
Other loans and investments (Note 15)	4,970	1,942	**6,912**
Loan to group company (Note 16)	-	209,179	**209,179**
Trade and other receivables excluding non-financial assets (Note 10)	-	255,877	**255,877**
Cash and cash equivalents (Note 19)	-	154,754	**154,754**
	5,256	**622,110**	**627,366**

The maximum exposure to credit risk at the end of the reporting period is the carrying amount of each class of financial assets mentioned above.

Except as noted above, the carrying values of financial instruments are a reasonable approximation of their fair values.

* Fair value hierarchy Level 3. No further financial information is disclosed as the amount is not material in respect of total financial assets.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

11. Deferred tax

11.1 Reconciliation of deferred tax movements

Group	Deferred tax	Total
Opening balance at 1 July 2021	33,192	**33,192**
Deferred tax charge current year	(7,943)	**(7,943)**
Deferred tax charge prior year - Under/(Over) provision	(2,827)	**(2,827)**
Rate change	(516)	**(516)**
Foreign currency movement	(1,502)	**(1,502)**
Closing balance at 30 June 2022	**20,404**	**20,404**
Opening balance at 1 July 2020	36,476	**36,476**
Deferred tax charge current year	(4,380)	**(4,380)**
Deferred tax charge prior year - Under/(Over) provision	5,215	**5,215**
Foreign currency movement	(2,612)	**(2,612)**
Rate change	(1,507)	**(1,507)**
Closing balance at 30 June 2021	**33,192**	**33,192**

Company	Deferred tax	Total
Opening balance at 1 July 2021	18,526	**18,526**
Deferred tax charge current year	(2,123)	**(2,123)**
Deferred tax charge prior year - Under/(Over) provision	(1,954)	**(1,954)**
Rate change	(516)	**(516)**
Closing balance at 30 June 2022	**13,933**	**13,933**
Opening balance at 1 July 2020	20,604	**20,604**
Deferred tax charge current year	(7,591)	**(7,591)**
Deferred tax charge prior year - Under/(Over) provision	5,513	**5,513**
Closing balance at 30 June 2021	**18,526**	**18,526**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2022	Group 2021	Company 2022	Company 2021

13. Unlisted investments

Unlisted investments comprise the following balances

Unlisted investments*	286	286	286	286
	286	**286**	**286**	**286**

* Fair value hierarchy Level 3. No further financial information is disclosed as the amount is not material in respect of total financial assets.

14. Other financial assets

Other financial assets incorporate the following balances:

Government bonds*	3,126	5,590	-	-
Deposits**	18,106	16,105	476	358
Non-current assets	14,157	14,094	-	-
Current assets	7,076	7,601	476	358
	21,233	**21,695**	**476**	**358**
Bonds denominated in Angolan Kwanza (2022: 1 bond; 2021: 2 bonds)	3,126	5,590	-	-
	3,126	**5,590**	**-**	**-**

* The Angola bond bear interest of 5% (2021: 5% and 16%) with a maturity date in 2023 (2021: between 2022 and 2023).
**Included in deposits is a restricted cash balance in Rwanda.

15. Other loans and investments

Other loans and investments comprise the following balances

Namibia Black Empowerment Education Trust	3,964	3,710	3,964	3,710
Other investments	4,343	4,970	4,343	4,970
	8,307	8,680	8,307	8,680
Provision for impairments	(1,768)	(1,768)	(1,768)	(1,768)
	6,539	**6,912**	**6,539**	**6,912**

The loan to Namibia Black Empowerment Education Trust are secured, with no fixed repayment terms and bears interest at Namibian prime less 0.5%.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021

Cash and cash equivalents continued...

19.2 Securities provided

The Group's exposure to interest rate risk and a sensitivity analysis for financial assets and liabilities are disclosed in note 41. In terms of the current held cession, the Company has ceded all current and future trade receivables to ABSA Bank as security for bank facilities. Refer to note 35.

19.3 Cash and cash equivalents where availability is restricted

The Group has restricted cash balances of ZAR 13,7 million (2021: ZAR 5,6 million), net of impairment, in a number of foreign subsidiaries subject to customary regulatory restrictions on the transfer of funds. The restricted balances are mainly in Angola.

Share capital

Authorised and issued share capital

Authorised				
4 000 Ordinary no par value shares	4	4	4	4
Issued				
3 998 Ordinary no par value shares	4	4	4	4

21. Provisions and other payables

21.1 Provisions comprise:

Provisions for employee benefits	45,125	38,604	-	-
Other provisions	23,157	31,788	15,576	23,036
	68,282	**70,392**	**15,576**	**23,036**
Non-current	7,581	7,549	-	-
Current	60,701	62,843	15,576	23,036
	68,282	**70,392**	**15,576**	**23,036**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021

Provisions and other payables continued...

21.4 Other provisions

	Professional indemnity insurance	Provision for onerous contract	Other provisions	Total
Balance at 1 July 2021 - Group	**18,577**	**963**	**12,248**	**31,788**
New provisions	11,800	-	-	11,800
Increase in existing provisions	209	-	217	426
Provision utilised/reversed	(13,839)	-	(4,452)	(18,291)
Increase/(decrease) through net exchange differences	-	-	(413)	(413)
Provision remeasured	(2,153)	-	-	(2,153)
Balance at 30 June 2022	**14,594**	**963**	**7,600**	**23,157**
Balance at 1 July 2020 - Group	**22,258**	**-**	**9,702**	**31,960**
New provisions	3,950	963	6,997	11,910
Acquisitions through business combinations	-	-	29	29
Provision utilised/reversed	(8,660)	-	(4,895)	(13,555)
Increase/(decrease) through net exchange differences	-	-	415	415
Provision remeasured	1,029	-	-	1,029
Balance at 30 June 2021	**18,577**	**963**	**12,248**	**31,788**
Balance at 1 July 2021 - Company	**18,577**	**963**	**3,496**	**23,036**
New provisions	11,800	-	-	11,800
Increase in existing provisions	209	-	-	209
Provision utilised/reversed	(13,839)	-	(3,477)	(17,316)
Provision remeasured	(2,153)	-	-	(2,153)
Balance at 30 June 2022	**14,594**	**963**	**19**	**15,576**
Balance at 1 July 2020 - Company	**22,258**	**-**	**6,956**	**29,214**
New provisions	3,950	963	-	4,913
Provision utilised/reversed	(8,660)	-	(3,460)	(12,120)
Provision remeasured	1,029	-	-	1,029
Balance at 30 June 2021	**18,577**	**963**	**3,496**	**23,036**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2022	Group 2021	Company 2022	Company 2021
23. Lease obligations				
23.1 Lease obligations comprise:				
Lease obligation -Plant & Equipment	50,178	28,194	50,171	28,188
Lease obligation -Buildings	189,680	232,505	182,230	224,731
	239,858	**260,699**	**232,401**	**252,919**
Non-current liabilities	143,936	174,123	142,449	171,472
Current liabilities	95,922	86,576	89,952	81,447
	239,858	**260,699**	**232,401**	**252,919**
7 Carrying amount of other right-to-use assets				
Buildings	160,657	209,311	152,846	201,752
Plant and equipment	53,115	38,116	53,115	38,116
Right-of-use assets included in property, plant and equipment (refer note 5)	213,772	247,427	205,961	239,868
23.3 Depreciation charge on other right to use assets				
Buildings	57,953	64,902	51,660	60,692
Plant and equipment	14,934	19,415	14,934	19,415
23.4 Other lease expenses and incomes				
Interest expense - Buildings	19,584	19,426	19,185	19,275
Interest expense - Plant and Equipment	2,385	1,473	2,385	1,473
Income from subleasing right of use assets	-	4,774	-	4,774
23.5 Future minimum lease payments				
• no later than one year	95,922	86,576	89,952	81,447
• later than one year but not later than five years	176,343	226,027	174,629	223,300
Future finance charges	(32,407)	(51,904)	(32,180)	(51,828)
	239,858	**260,699**	**232,401**	**252,919**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021

24. Loans from group companies

24.1 Loans from group companies comprise:

Zutari (Namibia) (Pty) Ltd	-	-	6,872	10,858
Zutari Eswatini (Pty) Ltd	-	-	1,930	16,957
Zutari Africa Ltd	-	-	19,630	271
	-	-	**28,432**	**28,086**

24.2 Further information

Inter-company loans are unsecured, interest-free, and have no fixed repayment terms. These loans arose primarily through inter-company transactions included in net income.

25. Fees in advance

25.1 Fees in advance comprise:

Fees in advance	299,750	304,288	171,150	169,107

25.2 Further information

Fees in advance represents the difference between revenue on each project and the total amount billed where billings exceeds the revenue.

26. Retirement benefits

26.1 Defined contribution plans

It is the policy of the Group to provide retirement benefits to all its employees. A defined contribution provident fund which is subject to the Pension Fund Act in South Africa, exists for this purpose in South Africa. The Group is under no obligation to cover any unfunded benefits.

26.2 Contributions to such schemes

Total contributions	75,144	61,040	74,039	60,280
	75,144	**61,040**	**74,039**	**60,280**

27. Loans from shareholders

27.1 Loans from shareholders comprise:

Zutari Investments (Pty) Ltd*	189,487	189,487	189,487	189,487
	189,487	**189,487**	**189,487**	**189,487**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Revenue continued...

28.3 Disaggregation of revenue from contracts with customers

	Rendering of Services	Subcontractor cost and expense recovered
Revenue for the year ended 30 June 2022 disaggregated by type of services - Group		
Revenue	1,743,546	458,524
Revenue per geographical region		
South Africa	1,150,092	304,733
Middle East	266,468	34,958
Other regions	326,986	118,833
	1,743,546	**458,524**
Revenue for the year ended 30 June 2021 disaggregated by type of services - Group		
Revenue	1,565,310	487,487
Revenue per geographical region		
South Africa	1,123,548	312,781
Middle East	70,055	29,397
Other regions	371,707	145,309
	1,565,310	**487,487**
Revenue for the year ended 30 June 2022 disaggregated by type of services - Company		
Revenue	1,346,039	304,733
Revenue per geographical region		
South Africa	1,150,091	304,733
Other regions	195,948	-
	1,346,039	**304,733**
Revenue for the year ended 30 June 2021 disaggregated by type of services - Company		
Revenue	1,305,015	312,781
Revenue per geographical region		
South Africa	1,123,541	312,781
Other regions	181,474	-
	1,305,015	**312,781**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021

Revenue continued...

Expected duration of the performance obligations

At 30 June 2022 - Group	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	1,063,422	813,705	247,306	2,124,433

At 30 June 2021 - Group	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	989,389	742,029	705,787	2,437,205

At 30 June 2022 - Company	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	870,895	516,370	133,478	1,520,743

At 30 June 2021 - Company	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	693,610	410,703	540,050	1,644,363

29. Other income

The material items included in other income

Gain on bargain purchase	-	131,467	-	-

30. Other gains and (losses)

Other gains and (losses) comprise:

Gain or (loss) on disposal of assets	(2,913)	1,892	(3,002)	1,392
Foreign exchange gains or (losses) included in profit or loss	48,260	(28,369)	6,251	(1,612)
Fines and penalties*	(6,242)	-	-	-
Total other gains and (losses)	**39,105**	**(26,477)**	**3,249**	**(220)**

* The fines and penalties relates to an Assessment received from the General Tax Authority (GTA)(Qatar) on 2 December 2020 relating to additional withholding taxes , and thus penalties, as a result of the amended Qatar Tax law to withhold and pay 5% withholding tax on services provided within Qatar by non-registered entities. An objection was lodged on 31 December 2020, no response was received from GTA and an Appeals process was started on 28 March 2021. The tax uncertainty was reported as contingent liability for the year ended 2021

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021
33. Finance costs				
Finance costs included in profit or loss:				
Interest on lease liabilities IFRS16 - Buildings	19,584	19,426	19,185	19,275
Interest paid to banks	293	134	3	102
Interest on lease liabilities IFRS16 - Plant & Equipment	2,385	1,473	2,385	1,473
Total finance costs	**22,262**	**21,033**	**21,573**	**20,850**
34. Income tax expense				
Income tax recognised in profit or loss:				
Current tax				
Current year	(38,000)	(26,696)	(37,999)	(26,696)
Prior year adjustment	1,407	(3,899)	323	(8,103)
Foreign tax	(6,959)	(14,430)	-	-
Total current tax	**(43,552)**	**(45,025)**	**(37,676)**	**(34,799)**
Deferred tax				
Current year temporary differences	(7,943)	(4,379)	(2,123)	(7,591)
Deferred tax prior year	(2,828)	5,215	(1,954)	5,513
Changes in tax rates	(516)	(240)	(516)	-
Total deferred tax	**(11,287)**	**596**	**(4,593)**	**(2,078)**
Total income tax expense	**(54,839)**	**(44,429)**	**(42,269)**	**(36,877)**
34.2 The income tax for the year can be reconciled to the accounting profit as follows:				
Profit before tax from operations	193,953	195,205	145,136	121,275
Income tax calculated at 28.00%	54,307	54,657	40,638	33,957
Tax charge	**54,307**	**54,657**	**40,638**	**33,957**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2022	Group 2021	Company 2022	Company 2021
35. Contingent liabilities				
35.1 Facilities and guarantees				
The facilities and guarantees available/issued to/by the group and company and the utilisation thereof as at 30 June 2022 is as follows:				
Guarantees facility	260,285	260,285	260,000	260,000
Guarantees utilised				
- Performance bond	(36,855)	(39,250)	(36,855)	(39,250)
- Tender bonds	(966)	(25)	(966)	(25)
- Advance payment	(10,258)	(18,273)	(10,258)	(18,273)
- Other	(359)	(1,003)	(73)	(718)
Guarantee facility still available	211,847	201,734	211,848	201,734
Primary lending facility	100,000	185,000	100,000	185,000
Primary lending facility available	100,000	185,000	100,000	185,000
ABSA vehicle and asset finance facility	65,000	100,000	65,000	100,000
ABSA vehicle and asset finance facility available	14,828	71,812	14,828	71,812

The above guarantees all have default expiry dates before December 2025, other than for the open-ended guarantees with a total value of R6,4 million (2021: R5,8 million). Last-mentioned guarantees are unlikely to result in claims as they relate to prospect or projects never commissioned or long since completed. The most recent of these was issued in 2016.

35.2 IFRIC 23 Uncertainty over Tax Treatments

The interpretation details how an entity or group of entities should reflect any effects of uncertainties in accounting for income taxes.

Zutari operates in a number of jurisdictions in Africa and Middle East and is subject to and pays taxes in accordance with the prevailing tax legislation specific to the country in which it operates. The group has filed and continues to file all relevant income tax returns and pays the taxes determined to be due.

Within the jurisdictions that the group operates it is noted that the tax legislation is highly complex and subject to interpretation of the application of the law. It is common for the relevant Tax Authorities to review the returns, and in some instances, disputes may arise over the interpretation and application of the prevailing tax legislation.

Due to the complexity of the legislation significant judgement is required to determine any effects of uncertainties in accounting for and disclosure of income taxes. Uncertain tax positions that have been assessed to be possible (i.e. contingent) within the Group are within a range of R1 million to R5,1 million (2021 : R1 million to R14 million), and are disclosed to such an extent that such disclosure does not prejudice the group.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021
Related parties continued...				
Revenue				
Subsidiaries				
Zutari (Namibia) (Pty) Ltd	-	-	7,156	4,604
Zutari Eswatini (Pty) Ltd	-	-	11,957	6,984
Zutari Botswana (Pty) Ltd	-	-	21,269	20,300
Zutari Mozambique Limitada	-	-	4,238	1,271
Zutari Angola Limitada	-	-	264	-
Zutari Lesotho (Pty) Ltd	-	-	13,062	9,668
Zutari Africa Ltd	-	-	66,198	78,518
Affiliated companies				
Zutari Kenya Ltd	-	-	5,957	12,260
Zutari Rwanda Ltd	-	-	6,906	10,926
Zutari Consulting Nigeria Ltd	-	-	4,901	8,174
Zutari Ghana Ltd	-	-	1,246	845
Zutari Uganda (Pty) Ltd	-	-	3,608	2,902
Aurecon Engineering Consultants LLC			3,008	532

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2022	Group 2021	Company 2022	Company 2021

Related parties continued...

36.4 Compensation paid to directors and prescribed officers

Name	Basic salary	Provident fund	Other	Total remuneration
2022				
Company				
[redacted]	-	-	169	169
	-	-	-	-
	-	-	-	-
	-	-	220	220
2)	-		240	240
22) *	-	-	120	120
	3,520	276	230	4,026
	3,478	417	115	4,010
	2,885	287	438	3,610
	1,725	164	135	2,024
	1,746	292	575	2,613
	1,601	105	104	1,810
	1,434	204	342	1,980
022) ***	1,113	86	159	1,358
	1,066	363	257	1,686
1 February 2022) ***	758	175	74	1,007
***	1,367	147	172	1,686
	1,466	156	308	1,930
	996	163	53	1,212
	1,419	106	674	2,199
2022)***	489	44	21	554
ary 2022)***	764	277	11	1,052
	1,373	174	140	1,687
Total compensation paid to directors and prescribed officers	**27,200**	**3,436**	**4,557**	**35,193**
Group				
Non-executive directors *	-	-	749	749
Executive directors **	9,883	980	783	11,646
Prescribed officers ***	17,317	2,456	3,025	22,798
	27,200	**3,436**	**4,557**	**35,193**
Company				
Non-executive directors **	-	-	749	749
Executive directors *	9,883	980	783	11,646
Prescribed officers ***	17,317	2,456	3,025	22,798
	27,200	**3,436**	**4,557**	**35,193**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Related parties continued...

	Total
Paid by company	29,840

37. Business combinations

37.1 Details of acquisition as at 30 June 2021

Name of acquiree		Date of acquisition	Proportion of voting equity interests acquired	
			%	ZAR `000
Aurecon Middle East Group	*	20 November 2020	100	-

On 20 November 2020 , Zutari Africa Ltd acquired the Aurecon Middle East Group from Aurecon Group Pty Ltd (AGPL) to expand into the Middle East market. The business acquisition comprised of the following:

- AGPL transferred 100% of the beneficial ownership in Zutari Engineering International (Pty) Ltd - Dubai Branch (previously known as Aurecon Engineering International (Pty) Ltd (Dubai Branch))
- AGPL transferred 100% of the beneficial ownership in Aurecon Australasia Pty Ltd – Abu Dhabi Branch
- AGPL transferred 100% of the beneficial ownership in ZUT Lead Engineering Consultancy (previously known as AUR Lead Engineering Consultancy)
- AGPL transferred 100% of the beneficial ownership in Zutari Engineering Consultants WLL (previously known as Aurecon Engineering Consultants WLL).

The consideration transferred to AGPL for the Middle East Group amount to AUD 1 on effective date, 20 November 2020.

37.2 Consideration transferred

A cash transfer of AUD 1 was made as consideration to AGPL for the Middle East Group.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Business combinations continued...

37.6 Impact of acquisitions on the results of the group

	Aurecon Middle East Group
Revenue since acquisition included in results	190,219
Profit or (loss) since acquisition included in results	132,645

37.7 Combined entity as if for the full reporting period

Revenue	1,982,365
Profit or (loss)	(78,394)

38. Change in accounting estimates

Change in estimate

During the year ended 30 June 2022, the group revised the useful lives of Computer Software based on the more recent usage trends. Recent trends show that Computer Software generally has a longer useful life than in the past, and thus this warranted the change in estimate. The impact of this change is that the group recognised amortisation of R2,4 million (included in the amortisation of Intangible assets) during the year ended 30 June 2022, compared to R4,1 million had the group not changed the estimate.

39. Events after the reporting date

Guarantees

On 20 November 2020 , Zutari Africa Ltd acquired the Aurecon Middle East Group from Aurecon Group Pty Ltd (AGPL) to expand into the Middle East market. In accordance with the Implementation agreement, the Group is responsible to replace each guarantee held by AGPL, on behalf of the Middle East Group, before 20 November 2022. Subsequently after year end, the following occurred:

- Guarantee to the value of QAR 7,2 million (ZAR 33,1 million) was issued on 2 August 2022 and will be cancelled by the beneficiary on 30 September 2022
- Guarantees to the value of QAR 2,7 million and AED 7 million (ZAR 12,5 million and ZAR 31,4 million respectively) is in the application process

The directors are not aware of any matter or circumstance, other than stated above, arising since the end of the financial year to the date of this report that requires adjustment or disclosure in the consolidated and separate financial statements.

40. Going concern

The consolidated and separate annual financial statements have been prepared on the going concern basis, since the directors have every reason to believe that the Group and Company has adequate resources in place to continue in operation for the foreseeable future.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Financial risk management continued...

41.1 Market risk

41.1.1 Foreign exchange risk

Exposure

The group's exposure to foreign currency risk at the end of the reporting period, expressed in South African Rand, was as follows:

	Group			Company	
30 June 2022	**USD**	**AOA**	**AED**	**USD**	**AED**
Trade and other receivables	165,484	27,598	115,466	16,463	-
Cash and cash equivalents	37,961	13,104	26,607	2,041	2
Prepayments	27,837	466	5,038	27,292	-
Other financial assets	-	-	2,740	-	
Related party balances	-	-	(25)	-	-
Trade and other payables	(70,309)	(33,703)	(56,939)	(10,148)	(1,854)
	160,973	**7,465**	**92,887**	**35,648**	**(1,852)**

	Group			Company	
30 June 2021	**USD**	**AOA**	**AED**	**USD**	**AED**
Trade and other receivables	106,989	4,881	117,000	11,182	555
Cash and cash equivalents	114,489	1,222	23,145	22,104	2
Prepayments	23,671	6,245	8,767	23,335	-
Related party balances	37,647	-	3,051	(35,579)	(1,647)
Trade payables	(62,366)	(16,724)	(99,341)	(6,375)	(34)
	220,430	**(4,376)**	**52,622**	**14,667**	**(1,124)**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2022	Group 2021	Company 2022	Company 2021
Financial risk management continued...				
Sensitivity analysis				

A 10 percent strengthening of the ZAR against the following currencies at 30 June would have increased/(decreased) equity and profit or loss by the amounts shown below. This analysis assumes that all other variables in particular interest rates remain constant. The analysis is performed on the same basis for 2021.

	Impact on equity		Impact on equity	
USD 1	(16,097)	(22,043)	(3,565)	(1,467)
AOA 1	(747)	438	-	-
AED 1	(9,289)	(5,262)	185	112
	Impact on post tax profit		**Impact on post tax profit**	
USD 1	(16,097)	(22,043)	(3,565)	(1,467)
AOA 1	(747)	438	-	-
AED 1	(9,289)	(5,262)	185	112

A 10 percent weakening of the ZAR against the above currencies at 30 June would have had the equal but opposite effect on the amounts shown above on the basis that all other variables remain constant.

41.2 Credit risk

The Group and Company is exposed to credit risk through trade receivables, work in progress and financial assets. Credit risk is managed by a formal risk assessment process for new clients and trading terms based on the client's risk profile.

In addition, trade receivables, work in progress and financial assets are monitored on an ongoing basis to ensure that the Group and Company's exposure to debt is limited.

Receivables over 180 days past due are to be considered in default unless there is objective evidence to support otherwise. Certain contracts require payments in advance. These payments are recorded as Fees in advance until such time as the associated performance obligation has been satisfied.

The maximum exposure to credit risk, excluding the value of any collateral or other security, at the reporting date on recognised financial assets is the carrying amount net of any provisions for impairment of those assets as disclosed in the statement of financial position and the notes to the financial statements.

The Group and Company does not have any material credit exposure to any single receivable or group receivables under financial instruments entered into by the Group and Company.

There are no significant concentrations of credit risk within the Group and Company. The Group and Company minimises concentration of credit risk in relation to trade receivables, work in progress and financial assets by undertaking transactions with a large number of clients within the infrastructure, industrial, buildings and power industries. However, the majority of customers are concentrated in South Africa and Middle East.

The Government bonds have no provision (2021:nil) relating to credit risk. Management is confident based on recovery of prior bonds that the credit risk is insignificant. Refer note 14.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Financial risk management continued...

Contractual maturities of financial liabilities	Within 1 year	Over 1 year	Total contractual cash flows	Carrying amount
Year ended 30 June 2022 - Company				
Trade and other payables excluding non-financial liabilities (Note 22)	160,832	-	**160,832**	**160,832**
Lease obligation (Note 23)	89,952	174,629	**264,581**	**232,401**
Loan from group company (Note 24)	28,432	-	**28,432**	**28,432**
Loans from shareholders (Note 27)	-	189,487	**189,487**	**189,487**
Total	**279,216**	**364,116**	**643,332**	**611,152**
Year ended 30 June 2021 - Company				
Trade and other payables excluding non-financial liabilities (Note 22)	158,269	-	**158,269**	**158,269**
Finance lease obligation (Note 23)	81,447	223,300	**304,747**	**252,919**
Loan from group company (Note 24)	28,086	-	**28,086**	**28,086**
Loans from shareholders (Note 27)	-	189,487	**189,487**	**189,487**
Total	**267,802**	**412,787**	**680,589**	**628,761**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Financial risk management continued...

	Not past due nor impaired	Not past due and impaired *	Past due and not impaired	Past due and impaired *	Total
Company					
30 June 2022					
0-30 days	185,506	149	-	-	**185,655**
31-60 days	44,738	209	-	-	**44,947**
61-90 days	-	-	16,494	18	**16,512**
91-120 days	-	-	9,800	-	**9,800**
121-180 days	-	-	7,827	173	**8,000**
> 180 days	-	-	37,606	9,565	**47,171**
	230,244	**358**	**71,727**	**9,756**	**312,085**
30 June 2021					
0-30 days	146,552	270	-	-	**146,822**
31-60 days	38,437	-	-	-	**38,437**
61-90 days	-	-	10,532	95	**10,627**
91-120 days	-	-	13,559	3	**13,562**
121-180 days	-	-	9,723	400	**10,123**
> 180 days	-	-	17,855	20,476	**38,331**
	184,989	**270**	**51,669**	**20,974**	**257,902**

* The total trade receivables impairment amounts to ZAR 10,1 million (2021: ZAR 12,8 million) and the amounts above are therefore not fully impaired.

Zutari (Pty) Ltd

(Registration Number 1977/003711/07)
Consolidated and Separate Annual Financial Statements
for the year ended 30 June 2023

Audited Financial Statements
in compliance with Companies Act of South Africa
Prepared by: [redacted]
Professional designation: Chartered Accountant (SA)
Reviewed by: [redacted]
Professional designation: Chartered Accountant (SA)

[redacted]

consolidated and separate financial statements, or our knowledge obtained in the audit, or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of the Directors for the Consolidated and Separate Annual Financial Statements

The directors are responsible for the preparation and fair presentation of the consolidated and separate financial statements in accordance with International Financial Reporting Standards and the requirements of the Companies Act of South Africa, and for such internal control as the directors determine is necessary to enable the preparation of consolidated and separate financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated and separate financial statements, the directors are responsible for assessing the group and company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the group and company or to cease operations, or have no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Consolidated and Separate Annual Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated and separate financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated and separate financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated and separate financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the group and company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the directors.
- Conclude on the appropriateness of the directors' use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the group and company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related

Directors' Responsibilities and Approval

The directors are required by the Companies Act of South Africa to maintain adequate accounting records and are responsible for the content and integrity of the consolidated and separate annual financial statements and related financial information included in this report. It is their responsibility to ensure that the consolidated and separate annual financial statements satisfy the financial reporting standards with regards to form and content and present fairly the consolidated and separate statement of financial position, results of operations and business of the group, and explain the transactions and financial position of the business of the group at the end of the financial year. The consolidated and separate annual financial statements are based upon appropriate accounting policies consistently applied throughout the group and supported by reasonable and prudent judgements and estimates.

The directors acknowledge that they are ultimately responsible for the system of internal financial control established by the company and place considerable importance on maintaining a strong control environment. To enable the directors to meet these responsibilities, the directors set standards for internal control aimed at reducing the risk of error or loss in a cost effective manner. The standards include the proper delegation of responsibilities within a clearly defined framework, effective accounting procedures and adequate segregation of duties to ensure an acceptable level of risk. These controls are monitored throughout the group and all employees are required to maintain the highest ethical standards in ensuring the group's business is conducted in a manner that in all reasonable circumstances is above reproach.

The focus of risk management in the group is on identifying, assessing, managing and monitoring all known forms of risk across the group. While operating risk cannot be fully eliminated, the group endeavours to minimise it by ensuring that appropriate infrastructure, controls, systems and ethical behaviour are applied and managed within predetermined procedures and constraints.

The directors are of the opinion, based on the information and explanations given by management, that the system of internal control provides reasonable assurance that the financial records may be relied on for the preparation of the consolidated and separate annual financial statements. However, any system of internal financial control can provide only reasonable, and not absolute, assurance against material misstatement or loss. The going-concern basis has been adopted in preparing the financial statements. Based on forecasts and available cash resources the directors have no reason to believe that the group will not be a going concern in the foreseeable future. The consolidated and separate annual financial statements support the viability of the group.

The consolidated and separate annual financial statements have been audited by the independent auditing firm, Ernst & Young Inc., who have been given unrestricted access to all financial records and related data, including minutes of all meetings of the shareholder, the directors and committees of the directors. The directors believe that all representations made to the independent auditor during the audit were valid and appropriate. The external auditor's unqualified audit report is presented on pages 3 to 5.

The consolidated and separate annual financial statements set out on pages 13 to 89 which have been prepared on the going concern basis, were approved by the directors and were signed on 28/09/2023 on their behalf by:

[redacted]

[redacted]

[redacted]

Report of the Audit and Risk Committee

We are pleased to present our inaugural report for the financial year ended 30 June 2023.

The audit and risk committee is a committee of the board appointed by the directors on 15 September 2022. The committees duties and responsibilities are delegated to the audit and risk committee by the directors of the group.

1. Audit and Risk committee terms of reference

The directors adopted the audit and risk committee's terms of reference on 2 November 2022. Considering the recent appointment of the committee by the board, the audit and risk committee has discharged its responsibilities as set out in paragraphs 4.1 and 4.3 of its terms of reference, to the extent applicable. The newly constituted committee has been tasked by the board to review and if required, propose amendments to the committee's terms of reference for approval by the board.

2. Audit and Risk Committee Members and Attendance

The audit and risk committee is independent and consists of three independent, non-executive directors. It is required to meet at least three times per year as per its terms of reference.

The Chief Financial Officer and the Company's Chief Risk Officer are required to attend meetings of the Audit and Risk Committee but are not members of the committee.

The chairperson of the board, external auditor and other assurance providers (legal, compliance, risk, health and safety) attend meetings by invitation only.

During the year under review 3 meetings were held.

Name of member		Appointment date
AC Discala (chairperson)	Independent Non-executive	15-Sep-22
Dr. NDL Motsei	Independent Non-executive	15-Sep-22
PJ Hendricks	Independent Non-executive	15-Sep-22

The effectiveness of the Audit and Risk Committee and its individual members will be assessed on an annual basis.

Report of the Audit and Risk Committee

Governance of risk

The audit and risk committee is required to provide oversight of the risk policy creation to ensure the policy gives direction on the approved risk strategy. The committee has also been assigned to evaluate and agree on the nature and extent of the risks the Group and Company would be willing to take in pursuit of its strategic objectives , by determining and recommending to the Board for approval the Group's and company's risk appetite and risk tolerance.

The committee is also tasked to review the effectiveness of the Group's and Company's risk management framework , in relations to the core strategic objectives of the Group and [redacted] regularly review risk management reports from managements and evaluate the effectiveness of the risk management function.

[redacted]

Chairperson of the audit and risk committee

Directors' Report

7. Directors

The directors of the company during the year and up to the date of this report are as follows:

[redacted]va

[redacted]ei

8. Social and ethics committee

In line with the requirements of the Companies Act of South Africa, Zutari (Pty) Ltd has appointed a social and ethics committee who have presented their report at the Annual General Meeting. The members of the committee are:

Name	Appointment date
Dr. [redacted]	15 September 2022
Dr. [redacted]	15 September 2022
Dr. [redacted]	15 September 2022

9. Secretary

The group's designated secretary is [redacted]

10. Shareholder

There have been no changes in ownership during the current financial year.

The shareholder's interest at the end of the year is:

	Holding
Zutari Investments (Pty) Ltd	100.00%
Zutari Ownership Trust	Ultimate parent

11. Independent Auditors

[redacted]e the independent auditors for the year under review.

[redacted]

Statements of Financial Position

Figures in ZAR `000	Notes	Group 2023	Group 2022	Company 2023	Company 2022
Current liabilities					
Provisions and other payables	21	64,260	60,701	16,145	15,576
Trade and other payables	22	372,050	314,066	217,137	171,266
Current tax liabilities	12	26,021	24,742	12,643	11,285
Lease obligations	23	100,569	95,922	96,443	89,952
Loans from group companies	24	-	-	52,309	28,432
Fees in advance	25	354,755	299,750	236,440	171,150
Total current liabilities		**917,655**	**795,181**	**631,117**	**487,661**
Total liabilities		**1,225,042**	**1,145,115**	**926,705**	**819,597**
Total equity and liabilities		**1,548,385**	**1,518,689**	**1,113,760**	**1,029,885**

Statements of Changes in Equity - Group

Figures in ZAR `000	Share capital	Foreign currency translation reserve *	Demerger Reserve*	Retained income	Attributable to owners of the parent	Non-controlling interests	Total
Balance at 1 July 2021	4	130,994	(1,876)	222,432	351,554	4,849	356,403
Changes in equity							
Profit for the year	-	-	-	138,995	138,995	119	139,114
Other comprehensive income	-	8,057	-	-	8,057	-	8,057
Total comprehensive income for the year	-	8,057	-	138,995	147,052	119	147,171
Dividend recognised as distributions to shareholder	-	-	-	(130,000)	(130,000)	-	(130,000)
Balance at 30 June 2022	**4**	**139,051**	**(1,876)**	**231,427**	**368,606**	**4,968**	**373,573**
Balance at 1 July 2022	4	139,051	(1,876)	231,427	368,606	4,968	373,574
Changes in equity							
Profit for the year	-	-	-	92,403	92,403	(7,536)	84,867
Other comprehensive income	-	4,902	-	-	4,902	-	4,902
Total comprehensive income for the year	-	4,902	-	92,403	97,305	(7,536)	89,769
Dividend recognised as distributions to shareholder	-	-	-	(140,000)	(140,000)	-	(140,000)
Reclassification of demerger reserve to retained earnings	-	-	1,876	(1,876)	-	-	-
Balance at 30 June 2023	**4**	**143,953**	**-**	**181,954**	**325,911**	**(2,568)**	**323,343**
Notes	**20**						
*Other reserves per the Statement of Financial Position		143,953					

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Separately acquired assets are initially measured at their purchase price, including import duties and non-refundable purchase taxes, after deducting trade discounts and rebates, and any directly attributable cost of preparing the asset for its intended use.

The cost of assets acquired through an exchange of assets is measured at fair value at acquisition date unless the exchange lacks commercial substance, or the fair value of neither the asset received nor the asset given up is reliably measurable. The acquired asset is immediately measured in this way even if the asset given up cannot immediately be derecognised. If the acquired asset is not measured at fair value, its cost is measured using the carrying amount of the asset given up.

Expenditure on an intangible asset is recognised as an expense when it is incurred unless it is part of the cost of an intangible asset that meets the recognition criteria or if the item is acquired in a business combination and cannot be recognised as an intangible asset it is recognised as part of goodwill at the acquisition date. Expenditure on an intangible item that was initially recognised as an expense is not recognised as part of the cost of an intangible asset at a later date.

Subsequent measurement - Cost model

After initial recognition, intangible assets are measured at cost less any accumulated amortisation and any accumulated impairment losses.

Amortisation

An intangible asset is regarded by the entity as having an indefinite useful life when, based on an analysis of all of the relevant factors, there is no foreseeable limit to the period over which the asset is expected to generate net cash inflows. Intangible assets with an indefinite useful life are not amortised, but is tested for impairment annually and whenever there is an indication that the intangible asset may be impaired. The intangible asset's determination as having an indefinite useful life is also reviewed annually to determine whether events and circumstances continue to support the indefinite useful life assessment. Reassessing the useful life of an intangible asset as finite rather than indefinite is an indicator that the asset may be impaired.

For other intangible assets amortisation is allocated on a systematic basis over its useful life. Where an intangible asset has a residual value, the depreciable amount is determined after deducting its residual value.

The residual values of intangibles assets are assumed zero unless:

- there is a commitment by a third party to purchase the asset at the end of its useful life; or
- there is an active market for the asset and:
  - residual value can be determined by reference to that market; and
  - it is probable that such a market will exist at the end of the asset's useful life.

Residual values as well as the useful lives of all assets are reviewed annually. Changes in residual values are treated as a change in estimate and treated in accordance with the relevant accounting policies.

The classification of useful lives and amortisation methods for the various classes of assets are as follows:

Asset class	Useful life	Amortisation method
Computer software	3 years	Straight-line

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Subsequent measurement

Financial assets

Debt instruments

Subsequent measurement of debt instruments depends on the company's business model for managing the asset and cash flow characteristics of the asset. Debt instruments are subsequently measured at:

- Amortised cost: assets held only for collection of principal and interest payments
  - Interest income is included in finance income using the effective interest rate method.
  - Any gain or loss on derecognition is recognised in profit or loss and presented in other gains / (losses) together with foreign exchange gains and losses.
  - Impairment losses are presented as a separate line item in the statement of profit or loss.
  - The company's financial assets at amortised cost includes trade receivables, and loans to associates and directors included under other non-current financial assets.
- Fair value through OCI: assets held only for collection of principal and interest payments and for selling the financial assets
  - Movements in the carrying amount are taken through OCI, except for the recognition of impairment gains or losses, interest income and foreign exchange gains and losses which are recognised in profit or loss.
  - When the financial asset is derecognised, the cumulative gain or loss previously recognised in OCI is reclassified from equity to profit or loss and recognised in other gains / (losses).
  - Interest income from these financial assets is included in finance income using the effective interest rate method.
  - Foreign exchange gains and losses are presented in other gains / (losses) and impairment expenses are presented as separate line item in the statement of profit or loss.
  - The company's debt instruments at fair value through OCI includes investments in quoted debt instruments included under other non-current financial assets.
  - The company elected to classify irrevocably its non-listed equity investments under this category.
- Fair value through profit or loss: assets that do not meet the criteria for amortised cost or fair value through OCI
  - A gain or loss on a debt investment that is subsequently measured at fair value through profit or loss is recognised in profit or loss and presented net within other gains / (losses) in the period in which it arises.
  - The company may make an irrevocable election at initial recognition for particular investments in equity instruments that would otherwise be measured at fair value through profit or loss to present subsequent changes in fair value in OCI.
  - This category includes derivative instruments and listed equity investments which the company had not irrevocably elected to classify at fair value through OCI. Dividends on listed equity investments are also recognised as other income in the statement of profit or loss when the right of payment has been established.

Equity instruments

All equity investments are subsequently measured at fair value.

- Fair value through OCI: elected to present fair value gains and losses on equity investments in OCI
  - There is no subsequent reclassification of fair value gains and losses to profit or loss following the derecognition of the investment.
  - Dividends from such investments continue to be recognised in profit or loss as other income when the group's right to receive payments is established.
  - Impairment losses (and reversal of impairment losses) are not reported separately from other changes in fair value.
- Fair value through profit or loss: assets that do not meet the criteria for amortised cost or fair value through OCI
  - Changes in the fair value are recognised in other gains / (losses) in the statement of profit or loss as applicable.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

The impairment methodology applied depends on whether there has been a significant increase in credit risk:

- For credit exposures with no significant increase in credit risk since initial recognition, expected credit losses are provided for credit losses that result from default events that are possible within the next 12-months (a 12-month expected credit loss).
- For credit exposures with significant increase in credit risk since initial recognition, a loss allowance is required for credit losses expected over the remaining life of the exposure, irrespective of the timing of the default (a lifetime expected credit loss).

For trade receivables and contract assets, a simplified approach is applied in calculating expected credit losses. Instead of tracking changes in credit risk, a loss allowance is recognised based on lifetime expected credit losses at each reporting date. A provision matrix was established that is based on the company's historical credit loss experience, adjusted for forward-looking factors specific to the debtors and the economic environment.

For debt instruments at fair value through OCI, the low credit risk simplification is applied. At every reporting date, the company evaluates whether the debt instrument is considered to have low credit risk using all reasonable and supportable information that is available without undue cost or effort. The internal credit rating of the debt instrument is reassessed during this evaluation. It is also considered whether there has been a significant increase in credit risk when contractual payments are more than 30 days past due.

The company considers a financial asset in default when contractual payments are 90 days past due. However, in certain cases, the company may also consider a financial asset to be in default when internal or external information indicates that the company is unlikely to receive the outstanding contractual amounts in full before taking into account any credit enhancements held. A financial asset is written off when there is no reasonable expectation of recovering the contractual cash flows.

Trade and other receivables

Trade receivables don't have a significant financing component and is measured at an undiscounted invoice price less any provision for impairment. Gains and losses are recognised in profit or loss when the asset is derecognised, modified or impaired.

Impairment

The Group recognises allowance for impairment at the higher of the expected credit loss (ECL) or specific provisions based on objective evidence.

An allowance for ECLs is based on the difference between the contractual cash flows due in accordance with the contract and all the cash flows that the Group expects to receive, discounted at an approximation of the original effective interest rate. For trade receivables and work in progress, the Group applies a simplified approach in calculating ECLs. The Group has established a provision matrix that is based on its historical credit loss experience, adjusted for forward-looking factors specific to the debtors and the economic environment. The provision rates depend on the number of days a receivable is past due, with rates increasing as the receivable becomes more aged.

Objective evidence that the Company or Group will not be able to collect the receivables includes financial difficulties of the debtor or default in payments. The Group considers a receivable to be in default when it is 180 days past due unless there is objective evidence to support otherwise. The amount of the allowance is the receivable carrying amount compared to the present value of estimated future cash flows.

Bad debts are written off as incurred.

Cash and cash equivalents

Cash and cash equivalents comprise cash at bank and in hand, and other short-term highly liquid investments that are readily [redacted]e to a known amount of cash and are subject to an insignificant risk of changes in value.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Current tax is the amount of income taxes payable (recoverable) in respect of the taxable profit (tax loss) for a period.

Deferred tax liabilities are the amounts of income taxes payable in future periods in respect of taxable temporary differences.

Deferred tax assets are the amounts of income taxes recoverable in future periods in respect of:

- deductible temporary differences;
- the carry forward of unused tax losses; and
- the carry forward of unused tax credits.

Current tax assets and liabilities

Current tax for current and prior periods is, to the extent unpaid, recognised as a liability. The amount already paid in respect of current and prior periods which exceeds the amount due for those periods, is recognised as an asset.

Current tax liabilities (assets) for the current and prior periods are measured at the amount expected to be paid to (recovered from) the taxation authorities, using the tax rates and tax laws that have been enacted or substantively enacted by the end of the reporting period.

Current tax assets and liabilities are offset only where:

- there is a legally enforceable right to set off the recognised amounts; and
- there is an intention to settle on a net basis, or to realise the asset and settle the liability simultaneously.

Deferred tax assets and liabilities

A deferred tax liability is recognised for all taxable temporary differences, except to the extent that the deferred tax liability arises from:

- the initial recognition of goodwill; or
- the initial recognition of an asset or liability in a transaction which is not a business combination and at the time of the transaction, affects neither accounting profit nor taxable profit (tax loss).

A deferred tax asset is recognised for all deductible temporary differences to the extent that it is probable that taxable profit will be available against which the deductible temporary difference can be utilised, unless the deferred tax asset arises from the initial recognition of an asset or liability in a transaction that:

- is not a business combination; and
- at the time of the transaction, affects neither accounting profit nor taxable profit (tax loss).

A deferred tax asset is recognised for the carryforward of unused tax losses and unused tax credits to the extent that it is probable that future taxable profit will be available against which the unused tax losses and unused tax credits can be utilised.

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply to the period when the asset is realised or the liability is settled, based on tax rates and tax laws that have been enacted or substantively enacted by the end of the reporting period.

The measurement of deferred tax liabilities and deferred tax assets are made to reflect the tax consequences that would follow from the manner in which it is expected, at the end of the reporting period, recovery or settlement if temporary differences will occur.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Recognition

At inception, a right-of-use asset and a lease liability is recognised. Right-of-use assets are included in the statement of financial performance within a classification relevant to the underlying asset, and not as a separate line item.

Measurement

Right-of-use assets are initially measured at cost, comprising the following:

- the amount of the initial measurement of the lease liability;
- any lease payments made at or before the commencement date, less any lease incentives received;
- any initial direct costs incurred; and
- an estimate of costs to be incurred in dismantling and removing the underlying asset, restoring the site on which it is located or restoring the underlying asset to the condition required by the terms and conditions of the lease, unless those costs are incurred to produce inventories. The obligation for those costs are incurred either at the commencement date or as a consequence of having used the underlying asset during a particular period.

Subsequently, right-of-use assets are measured using the cost model.

Where a lease transfers ownership of the underlying asset by the end of the lease term or if the cost of the right-of-use asset reflects a purchase option will be exercised, the right-of-use asset is depreciated from the commencement date to the end of the useful life of the underlying asset. Otherwise, the right-of-use asset is depreciated from the commencement date to the earlier of the end of the useful life of the right-of-use asset or the end of the lease term.

The group tests for impairment where there is an indication that a right-of-use asset may be impaired. An assessment of whether there is an indication of possible impairment is done at each reporting date. Where the carrying amount of a right- of-use asset is greater than the estimated recoverable amount, it is written down immediately to its recoverable amount. The resulting impairment loss is recognised immediately in profit or loss, except where the decrease reverses a previously recognised revaluation increase for the same asset the decrease is recognised in other comprehensive income to that extent and reduces the amount accumulated in equity under revaluation surplus, and future depreciation charges are adjusted in future periods to allocate the revised carrying amount, less its residual value, on a systematic basis over its remaining useful life.

The lease liability is initially measured at the present value of the lease payments that are not yet paid at the commencement date. Lease payments are discounted using the interest rate implicit in the lease, if the rate can be readily determined, else it is based on the relevant group entity's incremental borrowing rate. The following lease payments are included where they are not paid at the commencement date:

- fixed payments, less any lease incentives receivable;
- variable lease payments that depend on an index or a rate, initially measured using the index or rate as at the commencement date;
- amounts expected to be payable under residual value guarantees;
- the exercise price of a purchase option if there is reasonably certainty that the option will be exercised; and
- payments of penalties for terminating the lease, if the lease term reflects the exercising an option to terminate the lease.

Subsequently, the lease liability is measured by:

- increasing the carrying amount to reflect interest on the lease liability;
- reducing the carrying amount to reflect the lease payments made; and
- remeasuring the carrying amount to reflect any reassessment or lease modifications or to reflect revised in-substance fixed lease payments.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

2.11 Leases as lessor

Classification

Leases are classified as either an operating lease or a finance lease.

A lease is classified as a finance lease if it transfers substantially all the risks and rewards incidental to ownership of an underlying asset. A lease is classified as an operating lease if it does not transfer substantially all the risks and rewards incidental to ownership of an underlying asset.

Finance leases

At the commencement date, assets held under a finance lease are recognised in its statement of financial position and presented as a receivable at an amount equal to the net investment in the lease.

Initial measurement

The net investment in the lease is measured using the interest rate implicit in the lease. In the case of a sublease, if the interest rate implicit in the sublease cannot be readily determined, the discount rate used for the head lease (adjusted for any initial direct costs associated with the sublease) is used to measure the net investment in the sublease. Initial direct costs are included in the initial measurement of the net investment in the lease and reduce the amount of income recognised over the lease term.

At the commencement date, the lease payments included in the measurement of the net investment in the lease comprise the following payments for the right to use the underlying asset during the lease term that are not received at the commencement date:

- fixed payments, less any lease incentives payable;
- variable lease payments that depend on an index or a rate, initially measured using the index or rate as at the commencement date;
- any residual value guarantees provided by the lessee, a party related to the lessee or a third party that is financially capable of discharging the obligations under the guarantee;
- the exercise price of a purchase option if the lessee is reasonably certain to exercise that option; and
- payments of penalties for terminating the lease, if the lease term reflects the lessee exercising an option to terminate the lease.

Subsequent measurement

Finance income is recognised over the lease term, based on a pattern reflecting a constant periodic rate of return on the net investment in the lease.

Derecognition and impairment

The derecognition and impairment criteria applicable to financial instruments is applied to finance lease assets.

Lease modifications

Modifications to a finance lease are accounted for as a separate lease if both:

- the modification increases the scope of the lease by adding the right to use one or more underlying assets; and
- the consideration for the lease increases by an amount commensurate with the stand-alone price for the increase in scope and any appropriate adjustments to that stand-alone price to reflect the circumstances of the particular contract.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

The performance obligation is fulfilled over time given the highly customised nature of the services and the Group has an enforceable right of payment for services delivered to date including a reasonable margin throughout the contract. Consequently, under IFRS 15 the Group will continue to recognise revenue for these service contracts over time rather than at a point in time. Revenue is recognised net of the amount of goods and services tax (GST) and value added tax (VAT).

Revenue from 'cost plus' (time and material type) contracts continues to be recognised based on the input method, measured at the contractual rates as labour and direct expenses are incurred. For 'lump sum' (fixed price) contracts, revenue is recognised by reference to the percentage of completion of a contract. Where contracts stipulate a 'price ceiling' (cost plus with a maximum type contracts), revenue is recognised based on the input method, measured either based on contractual rates as labour and expenses are incurred or percentage of completion to reflect the amount that is expected to be recoverable, based on whichever most faithfully predicts the Group's performance in satisfying the performance obligation.

Percentage of completion is measured by comparing the cost to the client incurred to date as a percentage of total estimated cost to the client at completion of the contract. Where it is probable that a loss will arise from a contract, the excess of total costs over revenue is recognized as an expense immediately.

Prior to the adoption of IFRS 15, the Group applied a probability approach for revenue recognition where uncertainties were included in the contract. Upon adoption of IFRS 15, the Group refined the measurement mechanics for unapproved variations and other variable considerations. Unapproved variations and other variable considerations are included in the contract price to the extent it is highly probable (as required under the new standard) that the cumulative amount of revenue recognised in respect of a contract at the end of a reporting period will not be subject to significant reversal when variations are approved and/or uncertainties are resolved. When revenue is recognised based on probabilities using the expected value method, a level of judgement is applied based on past experience and historical performance on similar contracts or similar clients.

For contracts where the Group is responsible for subcontracting labour, the Group continues to reflect the amounts of such items in both revenues and costs under IFRS 15 in a 'principal' capacity. The Group refers to such costs as 'pass-through costs' as the Group is primarily responsible to the client for the specified services under the contract.

IFRS 15 uses the terms 'receivables', 'contract asset' and 'contract liability' to describe what might more commonly be known to the Group as 'Trade debtors', 'Work in Progress' and 'Fees in Advance'. Given IFRS 15 does not prohibit an entity from using alternative descriptions, the Group continues to retain the existing terminology in the financial statements.

Fees in advance represents the difference between fees earned on each project and the total amount billed where billings exceeds the fee earned. The calculation of fees earned includes estimated future costs on each project up to the stage of completion at 30 June each year. The stage of completion is determined by referring to the physical proportion of the contract work completed.

Work in progress represents the difference, at productive cost, between fees earned on each project and the total amount billed where earned fees exceed billings.

2.14 Employee benefits

Short-term employee benefits

Compensation paid to employees for the rendering of services are recognised at the undiscounted amount paid or expected to be paid in the accounting period in which the services were rendered.

Where employees accumulate entitlement for paid absences, an expense is recognised as the additional amount that the entity expects to pay as a result of the unused entitlement that has accumulated at the end of the reporting period. In the case of non-accumulating paid absences, the expense is recognised only when the absences occur.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

When measuring the fair value of an asset or liability, the Group uses market observable data as far as possible. Fair values are categorised into different levels in a fair value hierarchy based on the inputs used in the valuation techniques as follows:

- Level 1: quoted prices (unadjusted) in active markets for identical assets or liabilities.
- Level 2: inputs other than quoted prices included in Level 1 that are observable for an asset or liability, either directly (i.e. as prices) of indirectly (i.e. derived from prices).
- Level 3: inputs for the asset or liability that are not based on observable market data (unobservable inputs).

If the inputs used to measure the fair value of an asset or a liability might be categorised in different levels of the fair value hierarchy, then the fair value measurement is categorised in its entirety in the same level of the fair value hierarchy as the lowest level input that is significant to the entire measurement.

The Group recognises transfers between levels of the fair value hierarchy at the end of the reporting period during which the change has occurred.

Fair values have been determined for measurement and / or disclosure purposes based on the following methods. When applicable, further information about the assumptions made in determining fair values is disclosed in the notes specific to that asset or liability.

Inventories

Inventories comprise work in progress and are valued at cost, plus profit recognised to date less any provision for anticipated future losses.

Other items included in inventories are valued at the lower of cost and net realisable value. The net realisable value is the estimated selling price in the ordinary course of business, less estimated costs of completion and the estimated costs necessary to make the sale.

Non-derivative financial liabilities

Fair value, which is determined for disclosure purposes, is calculated based on the present value of future principal and interest cash flows, discounted at the market rate of interest at the reporting date. In respect of the liability component of convertible notes, the market rate of interest is determined by reference to similar liabilities that do not have a conversion option. For finance leases the market rate of interest is determined by reference to similar lease agreements.

Interest rates used for determining fair values

The interest rates used to discount estimated cash flows where applicable are based on the government yield curve at the reporting date plus an adequate constant credit spread.

3. Critical accounting estimates and judgements

The key assumptions concerning the future and other key sources of estimation uncertainty at the reporting date, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year, are described below. The Directors evaluate estimates and judgements incorporated into the Statement of Financial Position and Statement of Profit or Loss and Other Comprehensive Income based on historical knowledge and best available current information. Estimates assume a reasonable expectation of future events and are based on current trends and economic data, obtained both externally and within the Group. Existing circumstances and assumptions about future developments, however, may change due to market changes or circumstances arising that are beyond the control of the Group. Such changes are reflected in the assumptions when they occur.

Critical accounting estimates and judgements continued...

3.1.1 Income taxes

The group is subject to income taxes in numerous jurisdictions. Significant judgement is required in determining the worldwide provision for income taxes. There are many transactions and calculations for which the ultimate tax determination is uncertain. The group recognises liabilities for anticipated tax audit issues based on estimates of whether additional taxes will be due. Where the final tax outcome of these matters is different from the amounts that were initially recorded, such differences will impact the current and deferred income tax assets and liabilities in the period in which such determination is made.

4. Changes in accounting policies and disclosures

4.1 Standards and Interpretations effective and adopted in the current year

In the current year, the company has adopted all new and revised IFRSs that are relevant to its operations and effective for annual reporting periods beginning on or after 1 January 2014.

At the date of authorisation of these financial statements for the year ended 30 June 2023, the following IFRSs were adopted:

Extension of the Temporary Exemption from Applying IFRS 9 (Amendments to IFRS 4)

The amendment changes the fixed expiry date for the temporary exemption in IFRS 4 Insurance Contracts from applying IFRS 9 Financial Instruments, so that entities would be required to apply IFRS 9 for annual periods beginning on or after 1 January 2023.

IFRS 17 Insurance Contracts

IFRS 17 requires insurance liabilities to be measured at a current fulfillment value and provides a more uniform measurement and presentation approach for all insurance contracts. These requirements are designed to achieve the goal of a consistent, principle-based accounting for insurance contracts. IFRS 17 supersedes IFRS 4 Insurance Contracts as of 1 January 2023.

Amendments to IFRS 17

Amends IFRS 17 to address concerns and implementation challenges that were identified after IFRS 17 Insurance Contracts was published in 2017. The main changes are:

- Deferral of the date of initial application of IFRS 17 by two years to annual periods beginning on or after 1 January 2023
- Additional scope exclusion for credit card contracts and similar contracts that provide insurance coverage as well as optional scope exclusion for loan contracts that transfer significant insurance risk
- Recognition of insurance acquisition cash flows relating to expected contract renewals, including transition provisions and guidance for insurance acquisition cash flows recognised in a business acquired in a business combination
- Clarification of the application of IFRS 17 in interim financial statements allowing an accounting policy choice at a reporting entity level
- Clarification of the application of contractual service margin (CSM) attributable to investment-return service and investment-related service and changes to the corresponding disclosure requirements
- Extension of the risk mitigation option to include reinsurance contracts held and non-financial derivatives
- Amendments to require an entity that at initial recognition recognises losses on onerous insurance contracts issued to also recognise a gain on reinsurance contracts held
- Simplified presentation of insurance contracts in the statement of financial position so that entities would present insurance contract assets and liabilities in the statement of financial position determined using portfolios of insurance contracts rather than groups of insurance contracts
- Additional transition relief for business combinations and additional transition relief for the date of application of the risk mitigation option and the use of the fair value transition approach

Accounting Policies

Changes in accounting policies and disclosures continued...

Non-current Liabilities with Covenants (Amendments to IAS 1)

The amendments clarify that the initial recognition exemption does not apply to transactions in which equal amounts of deductible and taxable temporary differences arise on initial recognition.

The mandatory implementation required by the standard is for years beginning on or after 1 January 2024. This change in accounting policy will be implemented for the first time for the financial year ending 30 June 2025.

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Figures in ZAR '000

Intangible assets continued...

Reconciliation for the year ended 30 June 2023 - Company	Computer software	Total
Balance at 1 July 2022		
At cost	10,124	**10,124**
Accumulated amortisation and impairment	(6,413)	**(6,413)**
Net book value	**3,711**	**3,711**
Movements for the year ended 30 June 2023		
Additions	12,648	**12,648**
Amortisation	(2,162)	**(2,162)**
Intangible assets at end of period	**14,197**	**14,197**
Closing balance at 30 June 2023		
At cost	22,772	**22,772**
Accumulated amortisation and impairment	(8,575)	**(8,575)**
Net book value	**14,197**	**14,197**
Reconciliation for the year ended 30 June 2022 - Company		
Balance at 1 July 2021		
At cost	8,545	**8,545**
Accumulated amortisation and impairment	(4,665)	**(4,665)**
Net book value	**3,880**	**3,880**
Movements for the year ended 30 June 2022		
Additions	1,579	**1,579**
Amortisation	(1,748)	**(1,748)**
Intangible assets at end of period	**3,711**	**3,711**
Closing balance at 30 June 2022		
At cost	10,124	**10,124**
Accumulated amortisation and impairment	(6,413)	**(6,413)**
Net book value	**3,711**	**3,711**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Investments in subsidiaries, joint operations and joint ventures continued...

7.2.3 Summarised financial information for subsidiaries with non-controlling interests before inter-company eliminations

	Zutari Kenya (Pty) Ltd	Zutari (Namibia) (Pty) Ltd
At 30 June 2023		
Non-current assets	1,971	135
Current assets	8,274	22,751
Non-current liabilities	-	-
Current liabilities	(32,346)	(3,447)
Retained earnings attributable to owners of the company	(22,101)	19,439
Non-controlling interest	(11,272)	5,054
Revenue	11,000	11,938
Profit or (loss)	(17,058)	329
At 30 June 2022		
Non-current assets	-	1,829
Current assets	-	23,362
Non-current liabilities	-	(95)
Current liabilities	-	(5,986)
Retained earnings to owners of the company	-	14,141
Non-controlling interest	-	4,968
Revenue	-	17,305
Profit or (loss)	-	3,457

7.2.4 Entities classified as subsidiaries where less than 50% of voting rights are held

Zutari Kenya Limited

	Interest 2023	Interest 2022
Parent company : Zutari Africa Limited	**49%**	**100%**

In case of a foreign firm incorporated in Kenya a minimum of 51% shares are to be held by Kenyan citizens who shall be consulting engineers to comply with the Engineering Board Kenya (EBK) requirements set out by the Kenyan Enigineers Act 2011. In 2023 financial year Zutari Kenya Limited issued authorised shares to EBK registered consulting engineers decreasing the shareholding of Zutari Africa Ltd to 49%. This change in ownership did not result in a loss of control by Zutari Africa Limited.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2023	Group 2022	Company 2023	Company 2022

Investments in subsidiaries, joint operations and joint ventures continued...

Summarised financial information on the Statement of Financial Position	Specialised Road Technologies (Pty) Ltd
Group	
At 30 June 2022	
Non-current assets	11,616
Current assets	29,443
Non-current liabilities	(55)
Current liabilities	(903)
Net assets	40,101
Group's interest	18 %
Carrying amount	7,218
Summarised financial information on the Statement of Profit or Loss and Other Comprehensive Income 2022:	
Revenue	46,618
Profit or (loss) from continuing operations before tax	7,195
Total comprehensive income/(loss)	7,195
Cash and cash equivalents included in current assets above	10,492
Current financial liabilities excluding trade and other payables	(420)
Depreciation and amortisation	2,483
Interest income	419
Interest expense	2
Income tax expense	2,146

7.4 Investments in joint operations

Name of joint operation	Nature of business	Place of incorporation and business
Bicon	Business activities include the upgrading of roads.	Namibia
Zutari Ndodana Joint Venture	Olifants River water resources development project.	South Africa

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Financial assets continued...

	At fair value through profit or loss*	At amortised cost	Total
Year ended 30 June 2022 - Group			
Unlisted investments (Note 13)	286	-	**286**
Other financial assets (Note 14)	-	21,233	**21,233**
Other loans and investments (Note 15)	4,343	2,196	**6,539**
Loans to shareholders (Note 17)	-	1,363	**1,363**
Trade and other receivables excluding non-financial assets (Note 10)	-	630,239	**630,239**
Cash and cash equivalents (Note 19)	-	250,177	**250,177**
	4,629	**905,208**	**909,837**

	At fair value through profit or loss*	At amortised cost	Total
Year ended 30 June 2023 - Company			
Unlisted investments (Note 13)	178	-	**178**
Other financial assets (Note 14)	-	439	**439**
Other loans and investments (Note 15)	4,094	14,134	**18,228**
Loan to group company (Note 16)	-	216,716	**216,716**
Trade and other receivables excluding non-financial assets (Note 10)	-	374,067	**374,067**
Cash and cash equivalents (Note 19)	-	94,899	**94,899**
	4,272	**700,255**	**704,527**

Trade and other receivables continued...

10.2 Movements in impairment of trade and other receivables are as follows:

At start of year	208,636	217,247	10,115	12,801
New provisions	28,720	41,015	4,588	2,301
Increase in existing provisions	7,794	5,338	7,785	1,066
Unused amounts reversed	(17,452)	(25,592)	(4,554)	(4,166)
Provision utilised	(4,927)	(14,075)	(1,061)	(1,516)
Foreign exchange differences	34,760	(15,297)	-	(371)
At end of year	**257,531**	**208,636**	**16,873**	**10,115**
Interest charged to debtors reclassified from accruals to trade receivables impairment	8,803	6,962	1,267	800

The amount on interest charged to debtors as stated above was reclassified from accruals (note 21) to trade receivables impairment (note 10 and 10.2) to fairly present the net trade receivables.

11. Deferred tax

11.1 Reconciliation of deferred tax movements

Group	**Deferred tax**	**Total**
Opening balance at 1 July 2022	20,404	**20,404**
Deferred tax charge current year	1,175	**1,175**
Deferred tax charge prior year - Under/(Over) provision	(2,111)	**(2,111)**
Rate change	-	-
Foreign currency movement	3,761	**3,761**
Closing balance at 30 June 2023	**23,229**	**23,229**
Opening balance at 1 July 2021	33,192	**33,192**
Deferred tax charge current year	(7,943)	**(7,943)**
Deferred tax charge prior year - Under/(Over) provision	(2,827)	**(2,827)**
Foreign currency movement	(1,502)	**(1,502)**
Rate change	(516)	**(516)**
Closing balance at 30 June 2022	**20,404**	**20,404**

Company	**Deferred tax**	**Total**
Opening balance at 1 July 2022	13,933	**13,933**
Deferred tax charge current year	1,108	**1,108**
Closing balance at 30 June 2023	**15,041**	**15,041**
Opening balance at 1 July 2021	18,526	**18,526**
Deferred tax charge current year	(2,123)	**(2,123)**
Deferred tax charge prior year - Under/(Over) provision	(1,954)	**(1,954)**
Charge through Hyperinflation reserve	(516)	**(516)**
Closing balance at 30 June 2022	**13,933**	**13,933**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022

13. Unlisted investments

Unlisted investments comprise the following balances

Unlisted investments*	178	286	178	286
	178	**286**	**178**	**286**

* Fair value hierarchy Level 3. No further financial information is disclosed as the amount is not material in respect of total financial assets.

14. Other financial assets

Other financial assets incorporate the following balances:

Government bonds*	-	3,126	-	-
Deposits**	38,759	18,106	439	476
Non-current assets	-	14,157	-	-
Current assets	38,759	7,076	439	476
	38,759	**21,233**	**439**	**476**
Bonds denominated in Angolan Kwanza (2023: 0 bond; 2022: 1 bonds)	-	3,126	-	-
	-	**3,126**	**-**	**-**

* Angola bonds beared interest at 5% and matured in April 2023.

**Included in deposits is a restricted cash balance in Rwanda.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022

17. Loan to shareholder

Loan to shareholder comprises of the following

Namibia Black Empowerment Education Trust	1,522	1,363	-	-
	1,522	**1,363**	**-**	**-**

The loan to Namibia Black Empowerment Education Trust is secured, has no fixed repayment terms and bears interest at the Namibian prime lending rate less 0.5%.

18. Prepayments

Prepayments comprise the following balances

Prepayment	39,274	57,072	29,403	47,829

19. Cash and cash equivalents

19.1 Cash and cash equivalents comprise:

Cash				
Cash on hand	484	521	217	248
Balances with banks	196,688	222,733	95,188	94,383
Foreign exchange differences	77	26,923	(506)	(2,762)
Total cash and cash equivalents	**197,249**	**250,177**	**94,899**	**91,869**

19.2 Securities provided

The Group's exposure to interest rate risk and a sensitivity analysis for financial assets and liabilities are disclosed in note 38. In terms of the current held cession, the Company has ceded all current and future trade receivables to ABSA Bank as security for bank facilities. Refer to note 34.

19.3 Cash and cash equivalents where availability is restricted

The Group has restricted cash balances of ZAR 8,1 million (2022: ZAR 13,7 million), net of impairment, in a number of foreign subsidiaries subject to customary regulatory restrictions on the transfer of funds. The restricted balances are mainly in Angola.

20. Share capital

Authorised and issued share capital

Authorised				
4 000 Ordinary no par value shares	4	4	4	4
Issued				
3 998 Ordinary no par value shares	4	4	4	4

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022

Provisions and other payables continued...

21.4 Other provisions

	Professional indemnity insurance	Provision for onerous contract	Other provisions	Total
Balance at 1 July 2022 - Group	**14,594**	**963**	**7,600**	**23,157**
New provisions	4,057	-	9	4,066
Increase in existing provisions	1,369	-	160	1,529
Provision utilised/reversed	(2,969)	(411)	(2,441)	(5,821)
Increase/(decrease) through net exchange differences	-	-	637	637
Provision remeasured	(1,477)	-		(1,477)
Balance at 30 June 2023	**15,574**	**552**	**5,965**	**22,091**
Balance at 1 July 2021 - Group	**18,577**	**963**	**12,248**	**31,788**
New provisions	11,800	-	-	11,800
Increase in existing provisions	209	-	217	426
Provision utilised/reversed	(13,839)	-	(4,452)	(18,291)
Increase/(decrease) through net exchange differences	-	-	(413)	(413)
Provision remeasured	(2,153)	-	-	(2,153)
Balance at 30 June 2022	**14,594**	**963**	**7,600**	**23,157**
Balance at 1 July 2022 - Company	**14,594**	**963**	**19**	**15,576**
New provisions	4,057	-	-	4,057
Increase in existing provisions	1,369	-	-	1,369
Provision utilised/reversed	(2,969)	(411)	-	(3,380)
Provision remeasured	(1,477)	-	-	(1,477)
Balance at 30 June 2023	**15,574**	**552**	**19**	**16,145**
Balance at 1 July 2021 - Company	**18,577**	**963**	**3,496**	**23,036**
New provisions	11,800	-	-	11,800
Increase in existing provisions	209	-	-	209
Provision utilised/reversed	(13,839)	-	(3,477)	(17,316)
Provision remeasured	(2,153)	-	-	(2,153)
Balance at 30 June 2022	**14,594**	**963**	**19**	**15,576**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022
23. Lease obligations				
23.1 Lease obligations comprise:				
Lease obligation -Plant & Equipment	51,340	50,178	51,333	50,171
Lease obligation -Buildings	155,330	189,680	151,211	182,230
	206,670	**239,858**	**202,544**	**232,401**
Non-current liabilities	106,101	143,936	106,101	142,449
Current liabilities	100,569	95,922	96,443	89,952
	206,670	**239,858**	**202,544**	**232,401**
23.2 Carrying amount of other right-to-use assets				
Buildings	126,328	160,657	120,588	152,846
Plant and equipment	60,553	53,115	60,553	53,115
Right-of-use assets included in property, plant and equipment (refer note 5)	186,881	213,772	181,141	205,961
23.3 Depreciation charge on other right to use assets				
Buildings	57,248	57,953	49,483	51,660
Plant and equipment	14,379	14,934	14,379	14,934
23.4 Other lease expenses and incomes				
Interest expense - Buildings	15,667	19,584	15,366	19,185
Interest expense - Plant and Equipment	4,456	2,385	4,456	2,385
Income from subleasing right of use assets	9	-	-	-
Future minimum lease payments				
• no later than one year	100,569	95,922	96,443	89,952
• later than one year but not later than five years	132,618	176,343	132,544	174,629
Future finance charges	(26,517)	(32,407)	(26,443)	(32,180)
	206,670	**239,858**	**202,544**	**232,401**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2023	Group 2022	Company 2023	Company 2022

Loans from group companies continued...

24.2 Further information

Inter-company loans are unsecured, interest-free, and have no fixed repayment terms. These loans arose primarily through inter-company transactions included in net income.

25. Fees in advance

25.1 Fees in advance comprise:

Fees in advance	354,755	299,750	236,440	171,150

25.2 Further information

Fees in advance represents the difference between revenue recognised on each project and the total amount billed on each project where billings exceed the revenue.

26. Retirement benefits

26.1 Defined contribution plans

It is the policy of the Group to provide retirement benefits to all its employees. A defined contribution provident fund which is subject to the Pension Fund Act in South Africa, exists for this purpose in South Africa. The Group is under no obligation to cover any unfunded benefits.

26.2 Contributions to such schemes

Total contributions	82,318	75,144	81,419	74,039
	82,318	**75,144**	**81,419**	**74,039**

27. Loans from shareholders

27.1 Loans from shareholders comprises of the following

Zutari Investments (Pty) Ltd*	189,487	189,487	189,487	189,487
	189,487	**189,487**	**189,487**	**189,487**

27.2 Further information

*

The loan remains unsecured and interest free. No repayment terms were agreed on between Zutari Investments (Pty) Ltd and Zutari (Pty) Ltd. The directors of Zutari Investments (Pty) Ltd have no intention to recall the loan within the next 12 months and has formally confirmed this to Zutari (Pty) Ltd.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Revenue continued...

28.3 Disaggregation of revenue from contracts with customers

	Rendering of Services	Subcontractor cost and expense recovered
Revenue for the year ended 30 June 2023 disaggregated by type of goods or services - Group		
Revenue	2,005,733	567,392
Revenue per geographical region		
South Africa	1,251,964	382,864
Middle East	358,218	76,868
Other regions	395,551	107,660
	2,005,733	**567,392**
Revenue for the year ended 30 June 2022 disaggregated by type of services - Group		
Revenue	1,743,546	458,524
Revenue per geographical region		
South Africa	1,150,092	304,733
Middle East	266,468	34,958
Other regions	326,986	118,833
	1,743,546	**458,524**
Revenue for the year ended 30 June 2023 disaggregated by type of services - Company		
Revenue	1,512,696	382,864
Revenue per geographical region		
South Africa	1,252,606	382,864
Other regions	260,090	-
	1,512,696	**382,864**
Revenue for the year ended 30 June 2022 disaggregated by type of services - Company		
Revenue	1,346,039	304,733
Revenue per geographical region		
South Africa	1,150,091	304,733
Other regions	195,948	-
	1,346,039	**304,733**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022

Revenue continued...

Expected duration of the performance obligations

At 30 June 2023 - Group	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	1,472,982	651,332	123,079	2,247,393

At 30 June 2022 - Group	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	1,063,422	813,705	247,306	2,124,433

At 30 June 2023 - Company	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	969,480	538,680	121,366	1,629,526

At 30 June 2022 - Company	Less than 1 year	2 to 5 years	More than 5 years	Total
Forward workload	870,895	516,370	133,478	1,520,743

29. Other gains and (losses)

Other gains and (losses) comprises of:

Loss on disposal of assets	(69)	(2,913)	(87)	(3,002)
Foreign exchange (losses) or gains included in profit or loss	9,868	48,260	2,758	6,251
Fines and penalties	-	(6,242)	-	-
Total other gains and (losses)	**9,799**	**39,105**	**2,671**	**3,249**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2023	Group 2022	Company 2023	Company 2022
32. Finance costs				
Finance costs included in profit or loss:				
Interest on lease liabilities IFRS16 - Buildings	15,667	19,584	15,366	19,185
Interest paid to banks	320	293	-	3
Interest on lease liabilities IFRS16 - Plant & Equipment	4,456	2,385	4,456	2,385
Total finance costs	**20,443**	**22,262**	**19,822**	**21,573**
33. Income tax expense				
33.1 Income tax recognised in profit or loss:				
Current tax				
Current year	(45,120)	(38,000)	(44,979)	(37,999)
Prior year adjustment	1,189	1,407	-	323
Foreign tax	(15,653)	(6,959)	-	-
Total current tax	**(59,584)**	**(43,552)**	**(44,979)**	**(37,676)**
Deferred tax				
Current year temporary differences	1,175	(7,943)	1,109	(2,123)
Deferred tax prior year	(2,111)	(2,828)	-	(1,954)
Changes in tax rates	-	(516)	-	(516)
Total deferred tax	**(936)**	**(11,287)**	**1,109**	**(4,593)**
Total income tax expense	**(60,520)**	**(54,839)**	**(43,870)**	**(42,269)**
33.2 The income tax for the year can be reconciled to the accounting profit as follows:				
Profit before tax from operations	145,387	193,953	160,637	145,136
Income tax calculated at 27.00%	39,254	54,307	43,372	40,638
Tax charge	**39,254**	**54,307**	**43,372**	**40,638**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022

34. Contingent liabilities

34.1 Facilities and guarantees

The facilities and guarantees available/issued to/by the group and company and the utilisation thereof as at 30 June 2023 is as follows:

Guarantees facility	260,285	260,285	260,000	260,000
Guarantees utilised				
- Performance bond	(71,668)	(36,855)	(71,668)	(36,855)
- Tender bonds	(2,489)	(966)	(2,489)	(966)
- Advance payment	(17,223)	(10,258)	(17,223)	(10,258)
- Other	(4,720)	(359)	(4,435)	(73)
Guarantee facility still available	164,185	211,847	164,185	211,848
Primary lending facility	100,000	100,000	100,000	100,000
Primary lending facility available	100,000	100,000	100,000	100,000
ABSA vehicle and asset finance facility	65,000	65,000	65,000	65,000
ABSA vehicle and asset finance facility available	13,667	14,828	13,667	14,828

The above guarantees all have default expiry dates before March 2027, other than for the open-ended guarantees with a total value of R53,2 million (2022: R6,4 million).

34.2 IFRIC 23 Uncertainty over Tax Treatments

The interpretation details how an entity or group of entities should reflect any effects of uncertainties in accounting for income taxes.

Zutari operates in a number of jurisdictions in Africa and Middle East and is subject to and pays taxes in accordance with the prevailing tax legislation specific to the country in which it operates. The group has filed and continues to file all relevant income tax returns and pays the taxes determined to be due.

Within the jurisdictions that the group operates it is noted that the tax legislation is highly complex and subject to interpretation of the application of the law. It is common for the relevant Tax Authorities to review the returns, and in some instances, disputes may arise over the interpretation and application of the prevailing tax legislation.

Due to the complexity of the legislation significant judgement is required to determine any effects of uncertainties in accounting for and disclosure of income taxes. Uncertain tax positions that have been assessed to be possible (i.e. contingent) within the Group are Rnil (2022 : R1 million to R5,1 million), and are disclosed to such an extent that such disclosure does not prejudice the group.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2023	Group 2022	Company 2023	Company 2022
Related parties continued...				
Revenue				
Subsidiaries				
Zutari (Namibia) (Pty) Ltd	-	-	3,887	7,156
Zutari Eswatini (Pty) Ltd	-	-	10,072	11,957
Zutari Botswana (Pty) Ltd	-	-	18,306	21,269
Zutari Mozambique Limitada	-	-	1,953	4,238
Zutari Angola Limitada	-	-	415	264
Zutari Lesotho (Pty) Ltd	-	-	34,379	13,062
Zutari Africa Ltd	-	-	81,889	66,198
Affiliated companies				
Zutari Kenya Ltd	-	-	4,185	5,957
Zutari Rwanda Ltd	-	-	1,850	6,906
Zutari Consulting Nigeria Ltd	-	-	1,383	4,901
Zutari Ghana Ltd	-	-	7,370	1,246
Zutari Uganda (Pty) Ltd	-	-	207	3,608
Aurecon Engineering Consultants LLC			1,923	3,008

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022

Related parties continued...

35.4 Compensation paid to directors and prescribed officers

Name	Basic salary	Provident fund	Other	Total remuneration
2023				
Company				
[redacted]	-	-	667	667
	-	-	450	450
	-	-	413	413
	-	-	470	470
non-executive director from 1	2,766	304	222	3,292
	871	83	53	1,007
	3,847	304	943	5,094
	2,801	299	258	3,358
0 April 2023)	1,483	142	1,085	2,710
	2,084	299	578	2,961
	1,682	114	149	1,945
	1,458	210	380	2,048
	1,308	435	284	2,027
	1,539	165	343	2,047
	1,670	270	100	2,040
	1,705	128	210	2,043
	1,896	198	118	2,212
31 August 2022)	294	81	572	948
	1,475	188	145	1,808
1 September 2022)	2,407	176	146	2,729
** (from 1 June 2023)	225	29	12	266
Total compensation paid to directors and prescribed officers	**29,512**	**3,425**	**7,598**	**40,535**
Group				
Non-executive directors *	2,766	304	2,222	5,292
Executive directors **	7,519	686	1,254	9,459
Prescribed officers ***	19,227	2,435	4,122	25,784
	29,512	**3,425**	**7,598**	**40,535**
Company				
Non-executive directors **	2,766	304	2,222	5,292
Executive directors *	7,519	686	1,254	9,459
Prescribed officers ***	19,227	2,435	4,122	25,784
	29,512	**3,425**	**7,598**	**40,535**
Paid by company				40,535

[redacted]

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Related parties continued...

	Total
Paid by company	35,193

36. Events after the reporting date

The directors are not aware of any matter or circumstance arising since the end of the financial year to the date of this report that requires adjustment or disclosure in the consolidated and separate financial statements.

37. Going concern

The group's ability to continue as a going concern is dependent on a number of factors. The most significant of these is the resumption of profitable operations and the continuation of the existent levels of finance from the shareholder until the group is able to meet its obligations in the ordinary course of business. The shareholder's loan has been subordinated, to the extent that the group's liabilities exceed assets, in favour of other creditors of the group.

38. Financial risk management

The Group's and Company's principal financial instruments comprise cash, short term deposits, receivables, payables, finance leases and intercompany loans.

The main risks arising from the Group's and Company's financial instruments are foreign exchange risk, liquidity risk and credit risk. Senior management, in conjunction with the Board, reviews and agrees policies for managing each of these risks.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Financial risk management continued...

The following significant exchange rates applied during the year:

	Average rate		Reporting date mid-spot rate	
	2023	2022	2023	2022
USD 1	17.6603	15.3010	18.8554	16.4613
AOA 1	0.0364	0.0293	0.0227	0.0386
AED 1	4.8079	4.1655	5.1332	4.4800

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2023	Group 2022	Company 2023	Company 2022

Financial risk management continued...

38.2 Credit risk

The Group and Company is exposed to credit risk through trade receivables, work in progress and financial assets. Credit risk is managed by a formal risk assessment process for new clients and trading terms based on the client's risk profile.

In addition, trade receivables, work in progress and financial assets are monitored on an ongoing basis to ensure that the Group and Company's exposure to debt is limited.

Receivables over 180 days past due are to be considered in default unless there is objective evidence to support otherwise. Certain contracts require payments in advance. These payments are recorded as Fees in advance until such time as the associated performance obligation has been satisfied.

The maximum exposure to credit risk, excluding the value of any collateral or other security, at the reporting date on recognised financial assets is the carrying amount net of any provisions for impairment of those assets as disclosed in the statement of financial position and the notes to the financial statements.

The Group and Company does not have any material credit exposure to any single receivable or group receivables under financial instruments entered into by the Group and Company.

There are no significant concentrations of credit risk within the Group and Company. The Group and Company minimises concentration of credit risk in relation to trade receivables, work in progress and financial assets by undertaking transactions with a large number of clients within the infrastructure, industrial, buildings and power industries. However, the majority of customers are concentrated in South Africa and Middle East.

The Government bonds have no provision (2022:nil) relating to credit risk. Management is confident based on recovery of prior bonds that the credit risk is insignificant. Refer note 14.

Liquidity risk

Liquidity risk arises from the possibility that there will be insufficient funds available to make payments as and when required. The Group's objective is to maintain a balance between continuity of funding and flexibility through the use of credit facilities, bank loans and finance leases.

The Group minimises liquidity risk by:

- maintaining a significant level of cash and cash equivalents and continuous monitoring of forecasted cash flows;
- maintaining an adequate level of undrawn committed facilities in various currencies that can be drawn at short notice;
- monitoring duration of long term debt.

The risks implied from the values shown in the table below reflect contractual cash outflows. Leasing obligations, trade payables and other financial liabilities mainly originate from the financing of assets used in ongoing operations such as plant, equipment and buildings and investments in working capital.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2023	Group 2022	Company 2023	Company 2022

Financial risk management continued...

Contractual maturities of financial liabilities	Within 1 year	Over 1 year	Total contractual cash flows	Carrying amount
Year ended 30 June 2023 - Company				
Trade and other payables excluding non-financial liabilities (Note 22)	208,773	-	**208,773**	**208,773**
Lease obligation (Note 23)	96,443	132,544	**228,987**	**202,544**
Loan from group company (Note 24)	52,309	-	**52,309**	**52,309**
Loans from shareholders (Note 27)	-	189,487	**189,487**	**189,487**
Total	**357,525**	**322,031**	**679,556**	**653,113**
Year ended 30 June 2022 - Company				
Trade and other payables excluding non-financial liabilities (Note 22)	160,833	-	**160,833**	**160,833**
Finance lease obligation (Note 23)	89,952	174,629	**264,581**	**232,401**
Loan from group company (Note 24)	28,432	-	**28,432**	**28,432**
Loans from shareholders (Note 27)	-	189,487	**189,487**	**189,487**
Total	**279,217**	**364,116**	**643,333**	**611,153**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Financial risk management continued...

	Not past due nor impaired	Not past due and impaired *	Past due and not impaired	Past due and impaired *	Total
Company					
30 June 2023					
0-30 days	245,224	38	-	-	**245,262**
31-60 days	40,189	-	-	-	**40,189**
61-90 days	-	-	14,471	-	**14,471**
91-120 days	-	-	12,063	545	**12,608**
121-180 days	-	-	22,507	651	**23,157**
> 180 days	-	-	37,055	14,372	**51,427**
	285,413	**38**	**86,096**	**15,568**	**387,114**
30 June 2022					
0-30 days	185,506	149	-	-	**185,655**
31-60 days	44,738	209	-	-	**44,947**
61-90 days	-	-	16,494	18	**16,512**
91-120 days	-	-	9,800	-	**9,800**
121-180 days	-	-	7,827	173	**8,000**
> 180 days	-	-	37,606	9,565	**47,171**
	230,244	**358**	**71,727**	**9,756**	**312,085**

* The total trade receivables impairment amounts to ZAR 16,9 million (2022: ZAR 10,1 million) and the amounts above are therefore not fully impaired.

Zutari (Pty) Ltd

(Registration Number 1977/003711/07)
Consolidated and Separate Annual Financial Statements
for the year ended 30 June 2024

Audited Financial Statements
In compliance with Companies Act of South Africa

[redacted]
Professional designation: Chartered Accountant (SA)

[redacted]
Professional designation: Chartered Accountant (SA)

[redacted]

Zutari (Pty) Ltd

(Registration Number 1977/003711/07)
Consolidated and Separate Annual Financial Statements for the year ended 30 June 2024

General Information

Country of Incorporation and Domicile	South Africa
Nature of Business and Principal Activities	Zutari (Pty) Ltd ('the Company') and its subsidiaries (together, 'the Group') use their expertise as consulting engineers to provide advisory, design, delivery and asset management services.
Directors	[redacted] July 2024) [redacted] March 2024)
Registered Office	[redacted]
Business Address	
Postal Address	[redacted]
Auditors	
Company Secretary	[redacted]

[redacted]

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If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of the Directors for the Consolidated and Separate Annual Financial Statements

The directors are responsible for the preparation and fair presentation of the consolidated and separate financial statements in accordance with IFRS Accounting Standards as issued by the International Accounting Standards Board and the requirements of the Companies Act of South Africa, and for such internal control as the directors determine is necessary to enable the preparation of consolidated and separate financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated and separate financial statements, the directors are responsible for assessing the group and company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the group and company or to cease operations, or have no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Consolidated and Separate Annual Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated and separate financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated and separate financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated and separate financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the group and company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the directors.
- Conclude on the appropriateness of the directors' use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the group and company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated and separate financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's

Zutari (Pty) Ltd

(Registration Number 1977/003711/07)
Consolidated and Separate Annual Financial Statements for the year ended 30 June 2024

Directors' Responsibilities and Approval

The directors are required by the Companies Act of South Africa to maintain adequate accounting records and are responsible for the content and integrity of the consolidated and separate annual financial statements and related financial information included in this report. These consolidated and separate annual financial statements have been prepared in accordance with IFRS® Accounting Standards as issued by the International Accounting Standards Board (IASB®) and it is their responsibility to ensure that the consolidated and separate annual financial statements satisfy the financial reporting standards with regards to form and content and present fairly the consolidated and separate statement of financial position, results of operations and business of the group, and explain the transactions and financial position of the business of the group at the end of the financial year. The consolidated and separate annual financial statements are based upon appropriate accounting policies consistently applied throughout the group and supported by reasonable and prudent judgements and estimates.

The directors acknowledge that they are ultimately responsible for the system of internal financial control established by the company and place considerable importance on maintaining a strong control environment. To enable the directors to meet these responsibilities, the directors set standards for internal control aimed at reducing the risk of error or loss in a cost effective manner. The standards include the proper delegation of responsibilities within a clearly defined framework, effective accounting procedures and adequate segregation of duties to ensure an acceptable level of risk. These controls are monitored throughout the group and all employees are required to maintain the highest ethical standards in ensuring the group's business is conducted in a manner that in all reasonable circumstances is above reproach.

The focus of risk management in the group is on identifying, assessing, managing and monitoring all known forms of risk across the group. While operating risk cannot be fully eliminated, the group endeavours to minimise it by ensuring that appropriate infrastructure, controls, systems and ethical behaviour are applied and managed within predetermined procedures and constraints.

The directors are of the opinion, based on the information and explanations given by management, that the system of internal control provides reasonable assurance that the financial records may be relied on for the preparation of the consolidated and separate annual financial statements. However, any system of internal financial control can provide only reasonable, and not absolute, assurance against material misstatement or loss. The going-concern basis has been adopted in preparing the financial statements. Based on forecasts and available cash resources the directors have no reason to believe that the group will not be a going concern in the foreseeable future. The consolidated and separate annual financial statements support the viability of the group.

The consolidated and separate annual financial statements have been audited by the independent auditing firm, Ernst & Young Inc., who have been given unrestricted access to all financial records and related data, including minutes of all meetings of the shareholder, the directors and committees of the directors. The directors believe that all representations made to the independent auditor during the audit were valid and appropriate. The external auditor's unqualified audit report is presented on pages 3 to 5.

The consolidated and separate annual financial statements set out on pages 12 to 86 which have been prepared on the going concern basis, were approved by the directors and were signed on 30 September 2024 on their behalf by:

[redacted]

[redacted]

[redacted]

Report of the Audit and Risk Committee

We are pleased to present our report for the financial year ended 30 June 2024.

The audit and risk committee is a subcommittee of the board appointed by the directors on 15 September 2022. The committees duties and responsibilities are delegated to the audit and risk committee by the directors of the group.

1. Audit and Risk committee terms of reference

The directors adopted the audit and risk committee's terms of reference on 2 November 2022. The audit and risk committee has discharged its responsibilities as set out in paragraphs 4.1 and 4.3 of its terms of reference, to the extent applicable. The committee has been tasked by the board to review and if required, propose amendments to the committee's terms of reference for approval by the board.

2. Audit and Risk Committee Members and Attendance

The audit and risk committee is independent and consists of three independent, non-executive directors. It is required to meet at least three times per year as per its terms of reference.

The Chief Financial Officer and the Company's Chief Risk Officer are required to attend meetings of the Audit and Risk Committee but are not members of the committee.

The chairperson of the board, external auditor and other assurance providers (legal, compliance, risk, health and safety) attend meetings by invitation only.

During the year under review 5 meetings were held.

Name of member		Appointment date
[redacted]	Independent Non-executive	15-Sep-22
	Independent Non-executive	15-Sep-22
	Independent Non-executive	15-Sep-22

. Role and responsibilities

External auditor appointment and independence

The audit and risk committee is responsible to satisfy itself that the external auditor is independent of the company, as set out in section 94(8) of the Companies Act of South Africa, which includes consideration of previous appointments of the auditor, the extent of other work undertaken by the auditor for the company and compliance with criteria relating to independence or conflicts of interest as prescribed by the Independent Regulatory Board for Auditors.

The committee is to ensure that the appointment of the auditor complied with the Companies Act of South Africa, and any other legislation relating to the appointment of auditors.

The committee, in consultation with executive management, have reviewed and agreed to the engagement letter, terms, audit plan and budgeted audit fees for the 2024 financial year.

To oversee the formal procedure that governs the process whereby the auditor is considered for non-audit services and ensure that the provision of such services does not impair the external auditor's independence or objectivity.

[redacted]

Directors' Report

The directors present their report for the year ended 30 June 2024.

1. **Review of financial results and activities**

Main business and operations

The group use their expertise as consulting engineers to provide advisory, design, delivery and asset management services. There were no major changes herein during the year.

The group generated a profit after tax for the year ended 30 June 2024 of ZAR 223 million (2023: ZAR 84,8 million).

2. **Going concern**

The consolidated and separate annual financial statements have been prepared on the basis of accounting policies applicable to a going concern. This basis presumes that funds will be available to finance future operations and that the realisation of assets and settlement of liabilities, contingent obligations and commitments will occur in the ordinary course of business.

3. **Events after reporting date**

Reorganisation of the group structure

On 6 August 2024 the Board in-principle approved the reorganisation of Zutari's corporate structure. The objective of the reorganisation is to support the implementation of Zutari's strategic objective of becoming a truly multi-national organisation. It is intended that the main holding entity of the Zutari Group will be domiciled in Dubai (UAE) and that the shareholding of all non-South African Zutari entities be consolidated under this new Group holding company.

All events subsequent to the date of the consolidated and separate annual financial statements and for which the applicable financial reporting framework requires adjustment or disclosure have been adjusted or disclosed.

The directors are not aware of any matter or circumstance arising since the end of the financial year to the date of this report that could have a material effect on the financial position of the company.

Directors' interest in contracts

To our knowledge none of the directors had any interest in contracts entered into during the year under review.

5. **Authorised and issued share capital**

No changes were approved or made to the authorised or issued share capital of the company during the year under review.

6. **Dividend**

Dividend of ZAR 130 million (2023: ZAR 140 million) was paid to shareholders

Zutari (Pty) Ltd

(Registration Number 1977/003711/07)

Consolidated and Separate Annual Financial Statements for the year ended 30 June 2024

Statements of Financial Position

Figures in ZAR '000	Notes	Group 2024	Group 2023	Company 2024	Company 2023
Assets					
Non-current assets					
Property, plant and equipment	5	231,144	251,995	189,586	219,434
Intangible assets	6	19,091	15,234	17,036	14,197
Investments in subsidiaries	7.2	-	-	2,493	2,493
Investments in associates	7.3	7,889	8,122	7,889	8,122
Deferred tax assets	11	22,838	29,082	14,789	15,041
Unlisted investments	13	183	178	183	178
Other loans and investments	15	27,623	18,228	27,623	18,228
Loans to group companies	16	-	-	200,009	200,009
Total non-current assets		**308,768**	**322,839**	**459,608**	**477,702**
Current assets					
Inventories	8	295,431	268,447	121,382	120,543
Trade and other receivables	10	751,643	671,393	413,109	374,067
Current tax assets	12	15,194	8,902	3,664	-
Other financial assets	14	21,461	38,759	528	439
Loans to group companies	16	-	-	8,610	16,707
Loan to shareholder	17	1,708	1,522	-	-
Prepayments	18	43,378	39,274	34,721	29,403
Cash and cash equivalents	19	183,226	197,249	95,745	94,899
Total current assets		**1,312,041**	**1,225,546**	**677,759**	**636,058**
Total assets		**1,620,809**	**1,548,385**	**1,137,367**	**1,113,760**
Equity and liabilities					
Equity					
Share capital	20	4	4	4	4
Retained income		285,050	181,954	173,337	187,051
Other reserves		106,679	143,953	-	-
Total equity attributable to owners of parent		391,733	325,911	173,341	187,055
Non-controlling interests		(12,574)	(2,568)	-	-
Total equity		**379,159**	**323,343**	**173,341**	**187,055**
Liabilities					
Non-current liabilities					
Provisions and other payables	21	2,487	5,946	-	-
Deferred tax liabilities	11	3,688	5,853	-	-
Lease obligations	23	53,515	106,101	47,252	106,101
Loans from shareholders	27	59,487	189,487	59,487	189,487
Total non-current liabilities		**119,177**	**307,387**	**106,739**	**295,588**

Statements of Profit or Loss and Other Comprehensive Income

Figures in ZAR '000	Notes	Group 2024	Group 2023	Company 2024	Company 2023
Revenue from contracts with customers	28	3,146,682	2,573,125	2,396,967	1,895,560
Cost of sales		(1,843,928)	(1,548,026)	(1,463,138)	(1,085,143)
Gross profit		**1,302,754**	**1,025,099**	**933,829**	**810,417**
Other income		5,197	6,252	41,298	37,617
Operating cost		(1,032,195)	(883,216)	(800,544)	(676,440)
Other gains/(losses)	29	25,598	9,799	(1,375)	2,671
Profit from operating activities	30	**301,354**	**157,934**	**173,208**	**174,265**
Investment income (including effective interest income)	31	7,473	6,982	6,157	5,290
Finance costs	32	(18,095)	(20,443)	(17,516)	(19,822)
Share of profit from investments in joint ventures		1,105	914	1,052	904
Profit before tax		**291,837**	**145,387**	**162,901**	**160,637**
Income tax expense	33	(68,747)	(60,520)	(46,615)	(43,870)
Profit for the year		**223,090**	**84,867**	**116,286**	**116,767**
Profit for the year attributable to:					
Owners of Parent		233,096	92,403	116,286	116,767
Non-controlling interest		(10,006)	(7,536)	-	-
		223,090	**84,867**	**116,286**	**116,767**
Components of other comprehensive income that will be reclassified to profit or loss					
Exchange differences on translation					
(Losses) / gains on exchange differences on translation		(37,274)	4,902	-	-
Total Exchange differences on translation		**(37,274)**	**4,902**	**-**	**-**
Total comprehensive income		**185,816**	**89,769**	**116,286**	**116,767**
Total comprehensive income attributable to:					
Owners of parent		195,822	97,305	116,286	116,767
Non-controlling interests		(10,006)	(7,536)	-	-
		185,816	**89,769**	**116,286**	**116,767**

Zutari (Pty) Ltd

(Registration Number 1977/003711/07)

Consolidated and Separate Annual Financial Statements for the year ended 30 June 2024

Statements of Changes in Equity - Company

Figures in ZAR '000	Share capital	Demerger Reserve*	Retained income	Total
Balance at 1 July 2022	4	(1,876)	212,160	210,288
Changes in equity				
Profit for the year	-	-	116,767	116,767
Total comprehensive income	-	-	116,767	116,767
Dividend recognised as distributions to shareholder	-	-	(140,000)	(140,000)
Reclassification of demerger reserve to retained earnings	-	1,876	(1,876)	-
Balance at 30 June 2023	**4**	**-**	**187,051**	**187,055**
Balance at 1 July 2023	**4**	**-**	**187,051**	**187,055**
Changes in equity				
Profit for the year	-	-	116,286	116,286
Total comprehensive income	-	-	116,286	116,286
Dividend recognised as distributions to shareholder	-	-	(130,000)	(130,000)
Balance at 30 June 2024	**4**	**-**	**173,337**	**173,341**
Note	20			

*Other reserves per the Statement of Financial Position

Statements of Cash Flows

Figures in ZAR `000	Notes	Group 2024	Group 2023	Company 2024	Company 2023
Cash flows used in investing activities					
Proceeds from sales of property, plant and equipment		762	2,388	762	2,002
Purchase of property, plant and equipment		(48,973)	(20,822)	(32,334)	(13,218)
Proceeds from sales of intangible assets		3,696	-	3,677	-
Purchase of intangible assets		(13,408)	(12,985)	(11,007)	(12,648)
Other loans and receivables advanced		5,970	(11,689)	(11,417)	(11,689)
Loans advanced to group companies		-	-	8,097	(12,803)
Loan advanced to shareholder		(186)	(159)	-	-
Cash flows used in investing activities		**(52,139)**	**(43,267)**	**(42,222)**	**(48,356)**
Cash flows used in financing activities					
Payment of principal portion of lease liabilities		(90,548)	(81,044)	(81,905)	(72,892)
Loans received from group companies		-	-	77,527	23,877
Dividend paid	39	(130,000)	(140,000)	(130,000)	(140,000)
Interest paid on leases		(12,473)	(20,123)	(11,926)	(19,822)
Cash flows used in financing activities		**(233,021)**	**(241,167)**	**(146,304)**	**(208,837)**
Net (decrease) / increase in cash and cash equivalents before effect of exchange rate changes		**(23,867)**	**(53,005)**	**(1,035)**	**2,527**
Effect of exchange rate changes on cash and cash equivalents		9,844	77	1,881	505
Net (decrease) / increase in cash and cash equivalents		**(14,023)**	**(52,928)**	**846**	**3,032**
Cash and cash equivalents at beginning of the year		197,249	250,177	94,899	91,869
Cash and cash equivalents at end of the year	19	**183,226**	**197,249**	**95,745**	**94,899**

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Joint arrangements

The Group applies IFRS 11 to all joint arrangements. Under IFRS 11, investments in joint arrangements are classified as either joint operations or joint ventures depending on the contractual rights and obligations of each investor. Joint ventures are accounted for using the equity method.

Under the equity method of accounting, interests in joint ventures are initially recognised at cost and adjusted thereafter to recognise the Group's share of the post-acquisition profits or losses and movements in other comprehensive income.

The Group has interests in joint arrangements that are classified as Joint operations. A Joint operation is a joint arrangement whereby the parties that have joint control of the arrangement have rights to the assets, and obligations for the liabilities, relating to the arrangement.

The Group's share of the assets, liabilities, revenue and expenses of joint operations is included in the appropriate line items of the consolidated financial statements.

2.2 Foreign currency translation

2.2.3 Functional and presentation currencies

The consolidated and separate annual financial statements have been presented in South African Rand (ZAR'000). The functional and presentation currency of the Company is South African Rand (ZAR'000).

2.2.3 Transactions and balances

Foreign currency transactions are translated into the functional currency using the exchange rates prevailing at the dates of the transactions. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation at year-end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognised in profit or loss.

2.2.3 Group companies

The results and financial position of all the group's entities that have a functional currency different from the presentation currency are translated into the presentation currency as follows:

- Assets and liabilities for each statement of financial position presented are translated at the closing rate at the reporting date;
- Income and expenses for each statements of profit or loss and other comprehensive income are translated at average exchange rates (unless this average is not a reasonable approximation of the exchange rates at the dates of the transactions, in which case income and expense items are translated at the exchange rates at the dates of the transactions); and
- All resulting exchange differences are recognised in other comprehensive income.

Goodwill and fair value adjustments arising on the acquisition of a foreign operation are treated as assets and liabilities of the foreign operation and translated at the closing rate at each reporting date.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Residual values, useful lives and depreciation methods are reviewed at each financial year end. Where there are significant changes in the expected pattern of economic consumption of the benefits embodied in the asset, the relevant changes will be made to the residual values and depreciation rates, and the change will be accounted for as a change in accounting estimate.

The useful life or depreciation rate and the depreciation method for all major classes of assets are as follows:

Asset class	Useful life	Depreciation method
Buildings	50 years	Straight-line
Motor vehicles	5 years	Straight-line
Plant & Equipment	3 - 10 years	Straight-line
Property, plant and equipment under operating leases	2 - 10 years	Straight-line
Solar panels	15 years	Straight-line
Solar Batteries and Inverters	5 years	Straight-line

Impairments

The entity tests for impairment where there is an indication that an asset may be impaired. An assessment of whether there is an indication of possible impairment is done at each reporting date. Where the carrying amount of an item of property, plant and equipment is greater than the estimated recoverable amount, it is written down immediately to its recoverable amount. The resulting impairment loss is recognised immediately in profit or loss, except where the decrease reverses a previously recognised revaluation increase for the same asset the decrease is recognised in other comprehensive income to that extent and reduces the amount accumulated in equity under revaluation surplus, and future depreciation charges are adjusted in future periods to allocate the revised carrying amount, less its residual value, on a systematic basis over its remaining useful life.

Compensation from third parties for items of property, plant and equipment that were impaired, lost or given up are included in profit or loss when the compensation becomes receivable.

Derecognition

The carrying amount of an item of property, plant and equipment is derecognised when the asset is disposed of or when no future economic benefits are expected from its use or disposal. The gain or loss arising from the derecognition of an item of property, plant and equipment is included in profit or loss when the item is derecognised.

2.4 Intangible assets

Software

Software which has finite useful lives, are measured at cost less accumulated amortisation and accumulated impairment losses.

Recognition

An intangible asset is recognised when:

- it is probable that the expected future economic benefits that are attributable to the asset will flow to the entity; and
- the cost of the asset can be measured reliably.

An assessment of the probability of expected future economic benefits that will flow to the entity as a result of the use of an asset is made by management before the asset is recognised. This includes using reasonable and supportive assumptions that represent a best estimate of the set of economic conditions that will exist over the useful life of the asset.

Initial measurement

Intangible assets are initially measured at cost.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Impairments

The entity tests for impairment where there is an indication that an asset may be impaired. An assessment of whether there is an indication of possible impairment is done at each reporting date. Where the carrying amount of an item of intangible assets is greater than the estimated recoverable amount, it is written down immediately to its recoverable amount. The resulting impairment loss is recognised immediately in profit or loss, except where the decrease reverses a previously recognised revaluation increase for the same asset in which case the decrease is recognised in other comprehensive income to that extent and reduces the amount accumulated in equity under revaluation surplus, and future depreciation charges are adjusted in future periods to allocate the revised carrying amount, less its residual value, on a systematic basis over its remaining useful life.

Derecognition

An asset is derecognised on disposal or when no future economic benefits are expected from its use or disposal. The gain or loss on disposal is recognised in profit or loss.

2.5 Financial instruments

Initial measurement

Financial assets

When a financial asset is recognised initially, it is measured at its fair value plus, in the case of a financial asset not at fair value through profit or loss, transaction costs that are directly attributable to the acquisition or issue of the financial asset.

Financial assets with embedded derivatives are considered in their entirety when determining whether their cash flows are solely payment of principal and interest.

Financial liabilities

Financial liabilities are recognised initially at fair value and, in the case of loans and borrowings and payables, net of directly attributable transaction costs.

The Group's financial liabilities include trade and other payables, loans and borrowings including bank overdrafts.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Financial liabilities

Subsequent measurement of financial liabilities depends on their classification:

- Fair value through profit or loss: financial liabilities held for trading and financial liabilities designated upon initial recognition as at fair value through profit or loss
  - Financial liabilities are classified as held for trading if they are incurred for the purpose of repurchasing in the near term.
  - This category also includes derivative financial instruments entered into by the Group that are not designated as hedging instruments in hedge relationships as defined by IFRS 9.
  - Separated embedded derivatives are also classified as held for trading unless they are designated as effective hedging instruments.
  - Gains or losses on liabilities held for trading are recognised in the statement of profit or loss.
  - Financial liabilities designated upon initial recognition at fair value through profit or loss are designated at the initial date of recognition, and only if the criteria in IFRS 9 are satisfied. The company has not designated any financial liability as at fair value through profit or loss.
- Amortised cost: Loans and borrowings
  - After initial recognition, interest-bearing loans and borrowings are subsequently measured at amortised cost using the effective interest rate method.
  - Gains and losses are recognised in profit or loss when the liabilities are derecognised as well as through the effective interest rate amortisation process.
  - Amortised cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the effective interest rate.
  - The effective interest rate amortisation is included as finance costs in the statement of profit or loss.
  - This category generally applies to interest-bearing loans and borrowings.

Offsetting financial instruments

Financial assets and liabilities are offset and the net amount reported in the statements of financial position when there is a legally enforceable right to offset the recognised amounts and there is an intention to settle on a net basis or realise the asset and settle the liability simultaneously. The legally enforceable right must not be contingent on future events and must be enforceable in the normal course of business and in the event of default, insolvency or bankruptcy of the company or the counterparty.

Derecognition

Financial assets are derecognised when the contractual rights to the cash flows from the financial asset expire or when it is transferred and the transfer qualifies for derecognition.

A financial liability is derecognised when the obligation under the liability is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the derecognition of the original liability and the recognition of a new liability. The difference in the respective carrying amounts is recognised in the statement of profit or loss.

Impairment of financial assets

A forward looking allowance for expected credit losses is recognised for all debt instruments not held at fair value through profit or loss. Expected credit losses are based on the difference between contractual cash flows due in accordance with the contract and all the cash flows that the company expects to receive, discounted at an approximation of the original effective interest rate. The expected cash flows include cash flows from the sale of collateral held or other credit enhancements that are integral to the contractual terms.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

For the purposes of the Statement of cash flows, cash and cash equivalents consist of cash and cash equivalents as defined above, net of outstanding bank overdrafts.

Trade and other payables

Trade payables and other payables are carried at amortised cost. Due to their short-term nature they are not discounted. They represent liabilities for goods and services provided to the Group prior to the end of the financial year that are unpaid and arise when the Group becomes obliged to make future payments in respect of the purchase of these goods and services. Trade payables are normally settled on 30-day terms.

Interest-bearing borrowings

Interest-bearing borrowings are recognised initially at fair value less attributable transaction costs. Subsequent to initial recognition, interest-bearing borrowings are stated at amortised cost with any difference between cost and redemption value being recognised in profit or loss over the period of the borrowings on an effective interest basis.

2.6 Prepayments

Prepayments consist of various payments that have been made in advance for goods and services to be received in future. Prepayments are measured at amortised cost, and are derecognised when the goods and services to which the prepayment relate have been received.

2.7 Inventories

Recognition

Inventories are recognised as an asset when

- it is probable that future economic benefits associated with the item will flow to the entity; and
- the cost of the inventories can be measured reliably.

Measurement

Inventories comprise work in progress and are valued at cost, plus profit recognised to date less any provision for anticipated future losses. Cost includes both variable and fixed costs relating to specific contracts, and those costs that are attributable to the contract activity in general and that can be allocated on a reasonable basis. Work in progress is presented as part of inventories in the statement of financial position. Work in progress presents gross amounts expected to be collected from customers for contract work done to date.

2.8 Share capital

Ordinary share capital

Ordinary shares are classified as equity. Incremental costs directly attributable to the issue of new shares are recognised as a deduction in equity.

Dividends

Dividends are recognised as a liability in the period in which they are declared.

2.9 Taxation

Tax expense (tax income) is the aggregate amount included in the determination of profit or loss for the period in respect of current tax and deferred tax.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Deferred tax assets and liabilities are offset only where:

- there is a legally enforceable right to set off current tax assets against current tax liabilities; and
- the deferred tax assets and the deferred tax liabilities relate to income taxes levied by the same taxation authority on either the same entity within the group or different taxable entities within the group which intend either to settle current tax liabilities and assets on a net basis, or to realise the assets and settle the liabilities simultaneously, in each future period in which significant amounts of deferred tax liabilities or assets are expected to be settled or recovered.

Tax expense (income)

Current and deferred tax is recognised as income or an expense and included in profit or loss for the period, except to the extent that the tax arises from:

- a transaction or event which is recognised, in the same or a different period, outside profit or loss, either in other comprehensive income or directly in equity.
- a business combination other than the acquisition by an investment of a subsidiary that is required to be measured at fair value through profit or loss.

Current tax and deferred tax is recognised outside profit or loss if the tax relates to items that are recognised, in the same or a different period, outside profit or loss. Therefore, current tax and deferred tax that relates to items that are recognised, in the same or a different period:

- in other comprehensive income, will be recognised in other comprehensive income;
- directly in equity, will be recognised directly in equity.

2.10 Leases as lessee

Identification of a lease

At inception of a contract, it is assessed to determine whether the contract is, or contains, a lease. A contract is, or contains, a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration. If the terms and conditions of a contract are changed, it is reassessed to once again determine if the contract is still or now contains a lease.

Where a contract contains a lease, each lease component with the contract is accounted for separately from the non-lease components. The consideration is then allocated to each lease component on the basis of the relative stand-alone price of the lease component and the aggregate stand-alone price of the non-lease components. The relative stand-alone price of lease and non-lease components are determined on the basis of the price the lessor, or a similar supplier, would charge an entity for that component, or a similar component, separately. If an observable stand-alone price is not readily available, an estimate of the stand-alone price is made, maximising the use of observable information in each case. All non-lease components are accounted for in accordance with the policy that is applicable to them.

Lease term

The lease term of a lease is determined as the non-cancellable period of the lease, together with the periods covered by an option to extend the lease where there is reasonable certainty that the option will be exercised, and periods covered by an option to terminate the lease if there is reasonable certainty that the option will not be exercised.

The assessment of the reasonable certainty of the exercising of options to extend the lease or not exercising of options to terminate the lease is reassessed upon the occurrence of either a significant event or a significant change in circumstances that is within the group's control and it affects the reasonable certainty assumptions.

The assessment of the lease term is revised if there is a change in the non-cancellable lease period.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Interest on the lease liability in each period during the lease term is the amount that produces a constant periodic rate of interest on the remaining balance of the lease liability. The periodic rate of interest is the discount rate described above, or if applicable the revised discount rate described below.

Profit or loss for the year will include the interest expense on the lease liability, and the variable costs not included in the measurement of the lease liability are included in the year in which the event of condition that triggers the payment of the variable costs occurs.

Reassessment of the lease liability

Where there are changes in the lease payments, the amount of the remeasurement of the lease liability is recognised as an adjustment to the right-of-use asset. Where the carrying amount of the right of use asset is reduced to zero, and there is a further reduction in the measurement of the lease liability, the remaining amount of the remeasurement is recognised in profit or loss.

The remeasurement is performed by discounting the revised lease payments using a revised discount rate where there is a change in the lease term or where there is a change in the assessment of exercising an option contained in the contract. The discount rate is revised to the interest rate implicit in the remainder of the lease term if it can be readily determined, or at the relevant group entity's incremental borrowing rate at the date of the reassessment.

The remeasurement is performed by discounting the revised lease payments if there is a change in the amounts expected to be payable under a residual value guarantee, or if there is a change in the future lease payments resulting from a change in an index or a rate used to determine those payments. This remeasurement will use an unchanged discount rate unless the change in lease payments resulted from a change in a floating interest rate.

Lease modifications

A lease modification is treated as a separate lease if both: the modification increases the scope of the lease by adding the right to use one or more underlying assets, and the consideration for the lease increases by an amount commensurate with the stand-alone price for the increase in scope and any appropriate adjustments to that stand-alone price to reflect the circumstances of the particular contract.

Where the lease modification is not accounted for as a separate lease, at the effective date of the lease modification the following changes are made:

- allocate the consideration in the modified contract;
- determine the lease term of the modified lease; and
- remeasure the lease liability by discounting the revised lease payments using a revised discount rate. The revised discount rate is determined as the interest rate implicit in the lease for the remainder of the lease term, if that rate can be readily determined, or the relevant group entity's incremental borrowing rate at the effective date of the modification, if the interest rate implicit in the lease cannot be readily determined.

Where the lease modification is not accounted for as a separate lease, the remeasurement of the lease liability is accounted for by:

- decreasing the carrying amount of the right-of-use asset to reflect the partial or full termination of the lease for lease modifications that decrease the scope of the lease. Any gain or loss relating to the partial or full termination of the lease is recognised in profit or loss.
- making a corresponding adjustment to the right-of-use asset for all other lease modifications.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

Modifications to a finance lease that are not accounted for as a separate lease are accounted for as follows:

- if the lease would have been classified as an operating lease had the modification been in effect at the inception date, account for the lease modification as a new lease from the effective date of the modification; and measure the carrying amount of the underlying asset as the net investment in the lease immediately before the effective date of the lease modification.
- otherwise, apply the requirements of IFRS 9.

2.12 Provisions and contingencies

A provision is recognised when:

- there is a a present obligation (legal or constructive) as a result of a past event;
- it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation; and
- a reliable estimate can be made of the amount of the obligation.

The amount recognised as a provision is the best estimate of the expenditure required to settle the present obligation at the end of the reporting period. Where the effect of the time value of money is material, the amount of a provision is the present value of the expenditures expected to be required to settle the obligation.

Contingent assets and liabilities are not recognised, but details are disclosed in the notes to the consolidated and separate annual financial statements.

Provision for Professional Indemnity

The Group provides for the net cost of professional indemnity and claims made by clients from time to time. The provision takes into account claims made and possible claims for past events and obligations based on information available to the Group.

Onerous contracts

A provision for onerous contracts is recognised when the expected benefits to be derived by the Group from a contract are lower than the unavoidable cost of meeting its obligations under the contract. The provision is measured at the present value of the lower of the expected cost of terminating the contract and the expected net cost of continuing with the contract. Before a provision is established, the Group recognises any impairment loss on the assets associated with the contract.

2.13 Revenue from contracts with customers

Revenue is income arising in the course of an entity's ordinary activities.

IFRS 15 Revenue from Contracts with Customers provides a principal-based approach to the recognition of revenue from all contracts with customers. It replaces all previous revenue recognition standards and guidance including IAS 18 Revenue and IAS 11 Construction Contracts and establishes a five-step model to account for revenue arising from contracts with customers. Under IFRS 15, revenue is recognised at an amount that reflects the consideration to which an entity expects to be entitled in exchange for transferring goods or services to a customer.

The Group predominantly performs engineering, consultancy and project delivery services. Prior to the adoption of IFRS 15, the Group considered these services as a single combined deliverable (i.e. project) for the client and recognised revenue progressively on a monthly basis based on the performance of the project. Under IFRS 15, the Group assessed that these services tend to be highly interrelated and integrated in the context of the overall promise in the contract to the client and accordingly accounted for as a single performance obligation.

Accounting Policies

Basis of preparation and summary of significant accounting policies continued...

The expected cost of profit-sharing and bonus payments are recognised when there is a present legal or constructive obligation to make such payments as a result of past events, and a reliable estimate of the obligation can be made. A present obligation exists when there is no realistic alternative but to make the payments.

Defined contribution plans

Defined contribution plans are post-employment benefit plans under which an entity pays fixed contributions into a separate entity (a fund) and will have no legal or constructive obligation to pay further contributions if the fund does not hold sufficient assets to pay all employee benefits relating to employee service in the current and prior periods.

Employees' end of service benefit

The entitlements to these benefits are based upon the employees' final salary and length of service, subject to the completion of a minimum service period. The expected costs of these benefits are accrued over the period of employment.

2.15 Related parties

A related party is a person or entity with the ability to control or jointly control the other party, or exercise significant influence over the other party, or vice versa, or an entity that is subject to common control, or joint control. As a minimum, the following are regarded as related parties of the reporting entity:

- A person or a close member of that person's family is related to a reporting entity if that person:
  - has control or joint control of the reporting entity;
  - has significant influence over the reporting entity; or
  - is a member of the key management personnel of the reporting entity or of a parent of the reporting entity.
- An entity is related to the reporting entity if any of the following conditions apply:
  - The entity and the reporting entity are members of the same group (which means that each parent, subsidiary and fellow subsidiary is related to the others);
  - One entity is an associate or joint venture of the other entity (or an associate or joint venture of a member of a group of which the other entity is a member);
  - Both entities are joint ventures of the same third party;
  - One entity is a joint venture of a third entity and the other entity is an associate of the third entity;
  - The entity is a post-employment benefit plan for the benefit of employees of either the reporting entity or an entity related to the reporting entity. If the reporting entity is itself such a plan, the sponsoring employers are also related to the reporting entity;
  - The entity is controlled or jointly controlled by a person identified as a related party;
  - A person identified as having control or joint control over the reporting entity has significant influence over the entity or is a member of the key management personnel of the entity (or of a parent of the entity);
  - The entity, or any member of a group of which it is a part, provides key management personnel services to the reporting entity or to the parent of the reporting entity.

A related party transaction is a transfer of resources, services or obligations between a reporting entity and a related party, regardless of whether a price is charged.

2.16 Measurement of fair values

A number of the Group's accounting policies and disclosures require the measurement of fair values, for both financial and non-financial assets and liabilities.

Accounting Policies

Critical accounting estimates and judgements continued...

3.1 Key accounting estimates and judgements

The Group makes estimates and assumptions concerning the future. The resulting accounting estimates will, by definition, seldom equal the related actual results. The estimates and assumptions that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year are addressed below.

Revenue Recognition, Work in Progress and Fees In Advance

Revenue from contracts is subject to significant judgement in respect of estimating the percentage of work completed and timing of revenue recognition. Management ensures that timing of revenue recognition from these contracts is appropriate, through regular assessments of labour and costs incurred to date against labour and costs required to complete the projects. Judgement and estimates are used in the valuation of work in progress and measurement of fees in advance. Where variations to the originally contracted scope of work are requested by the client without an agreed price or Zutari is pursuing unpriced claims under a contract, the quantum of revenue recognised is dependent on the estimates of likely outcomes based on Zutari's prior experience with the client or similar clients.

Provision for Impairment of Work in Progress

Work in Progress is stated net of any impairment provision for unbillable balances. This impairment provision is based on specific and collective assessments of the recoverability of individual projects. The assessments are made on a regular basis by management and business unit managers. Recoverability factors such as past experience, discussions with clients and the nature and duration of underlying contracts are taken into account.

Provision for Impairment of Receivables

Trade and other receivables are stated net of any impairment for uncollectible balances. This impairment provision is based on the Group's past experience and the payment history of individual customers. The Group regularly reviews its individual receivable balances and when it assesses that a balance has become irrecoverable it is fully written off. The Group provides credit facilities to customers upon completing appropriate credit tests.

Provision for Rectification

The Group estimates and provides for the net cost of professional indemnity and rectification claims made by clients from time to time. The provision estimates take into account claims made and possible claims for past events and obligations based on information available to the Group.

Therefore, there is uncertainty in estimating not only the amount of possible claims to be made by the clients, but the recoveries that will be obtained from the insurer in respect of those claims over the period of liquidation. When assessing the likely cost the directors have taken into account:

- past experience;
- a comprehensive claims database;
- discussions with clients;
- likelihood of realistic commercial settlements;
- available professional advice; and
- available information on the insurer's financial position.

Where the consideration of the above factors provides a probable future sacrifice of economic benefits and a reliable estimate thereon a provision is made.

When the Group expects some or all of a provision to be reimbursed, for example under an insurance contract, it is recognised only when the reimbursement is virtually certain. The expense relating to any provision is presented in the Statement of [redacted]ensive Income net of any reimbursement.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

5. Property, plant and equipment

Balances at year end and movements for the year

Reconciliation for the year ended 30 June 2024 - Group	Buildings	Motor vehicles	Plant & Equipment	Leased Buildings (Right of use)	Total
Balance at 1 July 2023					
At cost	43,084	7,620	305,991	275,707	**632,402**
Accumulated depreciation	(25,416)	(7,170)	(198,442)	(149,379)	**(380,407)**
Net book value	**17,668**	**450**	**107,549**	**126,328**	**251,995**
Movements for the year ended 30 June 2024					
Additions	-	1,695	67,279	19,412	**88,386**
Increase (decrease) through exchange rate differences	(2,515)	25	(223)	1,159	**(1,554)**
Depreciation	(808)	(387)	(36,696)	(58,021)	**(95,912)**
Disposals	-	-	(10,488)	(1,283)	**(11,771)**
Property, plant and equipment at end of year	**14,345**	**1,783**	**127,421**	**87,595**	**231,144**
Closing balance at 30 June 2024					
At cost	39,702	8,032	340,841	280,260	**668,835**
Accumulated depreciation	(25,357)	(6,249)	(213,420)	(192,665)	**(437,691)**
Net book value	**14,345**	**1,783**	**127,421**	**87,595**	**231,144**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Property, plant and equipment continued...

Reconciliation for the year ended 30 June 2024 - Company	Buildings	Motor vehicles	Plant & Equipment	Leased Buildings (Right of use)	Total
Balance at 1 July 2023					
At cost	-	3,815	256,450	260,637	**520,902**
Accumulated depreciation	-	(3,390)	(158,029)	(140,049)	**(301,468)**
Net book value	**-**	**425**	**98,421**	**120,588**	**219,434**
Movements for the year ended 30 June 2023					
Additions	-	178	52,157	5,619	**57,954**
Depreciation	-	(208)	(33,079)	(48,304)	**(81,591)**
Disposals	-	-	(6,211)	-	**(6,211)**
Property, plant and equipment at end of year	**-**	**395**	**111,288**	**77,903**	**189,586**
Closing balance at 30 June 2024					
At cost	-	3,496	285,482	263,729	**552,707**
Accumulated depreciation	-	(3,101)	(174,194)	(185,826)	**(363,121)**
Net book value	**-**	**395**	**111,288**	**77,903**	**189,586**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

6. Intangible assets

Reconciliation of changes in intangible assets

Reconciliation for the year ended 30 June 2024 - Group	**Computer software**	**Total**
Balance at 1 July 2023		
At cost	26,308	**26,308**
Accumulated amortisation and impairment	(11,074)	**(11,074)**
Net book value	**15,234**	**15,234**
Movements for the year ended 30 June 2024		
Additions	13,408	**13,408**
Increase (decrease) through exchange rate differences	(82)	**(82)**
Amortisation	(5,773)	**(5,773)**
Disposals	(3,696)	**(3,696)**
Intangible assets at end of period	**19,091**	**19,091**
Closing balance at 30 June 2024		
At cost	35,778	**35,778**
Accumulated amortisation and impairment	(16,687)	**(16,687)**
Net book value	**19,091**	**19,091**
Reconciliation for the year ended 30 June 2023 - Group		
Balance at 1 July 2022		
At cost	13,189	**13,189**
Accumulated amortisation and impairment	(8,087)	**(8,087)**
Net book value	**5,102**	**5,102**
Movements for the year ended 30 June 2023		
Additions	13,254	**13,254**
Increase (decrease) through net exchange differences	158	**158**
Amortisation	(3,011)	**(3,011)**
Disposals	(269)	**(269)**
Intangible assets at end of period	**15,234**	**15,234**
Closing balance at 30 June 2023		
At cost	26,308	**26,308**
Accumulated amortisation and impairment	(11,074)	**(11,074)**
Net book value	**15,234**	**15,234**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

7. Investments in subsidiaries, joint operations and joint ventures

7.1 The amounts included on the statements of financial position comprise the following:

Investments in subsidiaries	-	-	2,493	2,493
Investments in joint ventures	7,889	8,122	7,889	8,122
Investments in subsidiaries, joint operations and associates	**7,889**	**8,122**	**10,382**	**10,615**

7.2 Investments in subsidiaries

7 Investments in subsidiaries

Entity name	Issued share capital (R'000)	Place of incorporation and business
Aurecon Infrastructure Projects (Pty) Ltd (Dormant)	1	South Africa
Zutari (Namibia) (Pty) Ltd	2	Namibia
Zutari Eswatini (Pty) Ltd *	-	Swaziland
Zutari Botswana (Pty) Ltd	128	Botswana
Zutari Mozambique Limitada	9	Mozambique
Zutari Angola Limitada	50	Angola
Zutari Lesotho (Pty) Ltd	1	Lesotho
Zutari Engineering International (Pty) Ltd *	-	South Africa
Zutari Africa Ltd	1	Mauritius

* Due to the rounding these amounts are not displayed.

7 Voting rights and interest held for these subsidiaries are as follows:

Entity name	Interest 2024	Carrying amount 2024	Interest 2023	Carrying amount 2023
Aurecon Infrastructure Projects (Pty) Ltd (Dormant)	100%	1	100%	1
Zutari (Namibia) (Pty) Ltd	74%	2 220	74%	2 220
Zutari Eswatini (Pty) Ltd *	100%	0	100%	-
Zutari Botswana (Pty) Ltd	100%	128	100%	128
Zutari Mozambique Limitada	100%	103	100%	103
Zutari Angola Limitada	100%	39	100%	39
Zutari Lesotho (Pty) Ltd	100%	1	100%	1
Zutari Engineering International (Pty) Ltd *	100%	-	100%	-
Zutari Africa Ltd	100%	1	100%	1
		2,493		**2,493**

* Due to the rounding these amounts are not displayed.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

Investments in subsidiaries, joint operations and joint ventures continued...

7.3 Investments in associates

7.3.1 Investments in associates

Details of the Group's material associates at the end of the reporting period are as follows:

Name of associate	Interest 2024	Interest 2023	Measurement base	Place of incorporation and business
Specialised Road Technologies (Pty) Ltd Nature of business: Specialised and reference testing	18%	18%	Equity	South Africa

7.3.2 Summarised financial information for material associate

Summarised financial information on the Statement of Financial Position	Specialised Road Technologies (Pty) Ltd
Group	
At 30 June 2024	
Non-current assets	14,732
Current assets	32,927
Non-current liabilities	-
Current liabilities	(3,829)
Net assets	43,830
Group's interest	18 %
Carrying amount	7,889
Summarised financial information on the Statement of Profit or Loss and Other Comprehensive Income 2024:	
Revenue	48,294
Profit from continuing operations before tax	6,522
Total comprehensive income	6,522
Dividends received	1,285
Cash and cash equivalents included in current assets above	19,430
Current financial liabilities excluding trade and other payables included in current liabilities above	(2,925)
Depreciation and amortisation	2,919
Interest income	706
Interest expense	69
Income tax expense	2,626

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Investments in subsidiaries, joint operations and joint ventures continued...

7.4.1 Proportion of interest and voting rights held in the joint operation

	Interest 2024	Voting rights 2024	Interest 2023	Voting rights 2023
Bicon	69%	69%	69%	69%
Zutari Ndodana Joint Venture	65%	65%	65%	65%
AUROMK	64%	64%	64%	64%

Investments in joint operations were proportionately accounted for in compliance with IFRS 11. The amounts are deemed immaterial for disclosure purposes for Group and Company.

8. Inventories

8.1 Inventories comprise:

Work in progress	487,387	476,118	127,697	124,479
Provision for impairment	(191,956)	(207,671)	(6,315)	(3,936)
	295,431	**268,447**	**121,382**	**120,543**

8.2 Movements in impairment of inventories are as follows:

At beginning of the year	207,671	191,876	3,936	4,587
New provisions	28,816	10,690	5,377	7,750
Movement in existing provisions	(34)	3,531	(34)	1,282
Unused amounts reversed	(28,128)	(12,422)	(1,602)	(6,010)
Provision utilised	(21,823)	(9,819)	(1,122)	(3,715)
Foreign exchange differences	5,454	23,815	(240)	42
At end of the year	**191,956**	**207,671**	**6,315**	**3,936**

9. Financial assets

9.1 Carrying amount of financial assets by category

	At fair value through profit or loss*	At amortised cost	Total
Year ended 30 June 2024 - Group			
Unlisted investments (Note 13)	183	-	**183**
Other financial assets (Note 14)	-	21,461	**21,461**
Other loans and investments (Note 15)	3,999	23,624	**27,623**
Loan to shareholder (Note 17)	-	1,708	**1,708**
Trade and other receivables excluding non-financial assets (Note 10)	-	751,643	**751,643**
Cash and cash equivalents (Note 19)	-	183,226	**183,226**
	4,182	**981,662**	**985,844**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Financial assets continued...

	At fair value through profit or loss*	At amortised cost	Total
Year ended 30 June 2023 - Company			
Unlisted investments (Note 13)	178	-	**178**
Other financial assets (Note 14)	-	439	**439**
Other loans and investments (Note 15)	4,094	14,134	**18,228**
Loan to group company (Note 16)	-	216,716	**216,716**
Trade and other receivables excluding non-financial assets (Note 10)	-	374,067	**374,067**
Cash and cash equivalents (Note 19)	-	94,899	**94,899**
	4,272	**700,255**	**704,527**

The maximum exposure to credit risk at the end of the reporting period is the carrying amount of each class of financial assets mentioned above.

Except as noted above, the carrying values of financial instruments are a reasonable approximation of their fair values.

* Fair value hierarchy Level 3. No further financial information is disclosed as the amount is not material in respect of total financial assets.

10. Trade and other receivables

10.1 Trade and other receivables comprise:

Trade receivables	927,253	916,685	422,485	387,114
Trade receivables impairment	(199,923)	(257,531)	(16,542)	(16,873)
Trade receivables - net (refer note 28.4)	727,330	659,154	405,943	370,241
Other receivables	15,337	8,286	1,676	1,042
Sundry debtors*	8,976	3,953	5,490	2,784
Total trade and other receivables	**751,643**	**671,393**	**413,109**	**374,067**

*** Professional Indemnity Insurance receivable**

Included in Sundry receivables for Group and Company is an amount of R3,6 million (2023: R2,2 million) for insurance claims where the cost incurred for the specific insurance year exceeded the aggregate and outer deductible in terms of the insurance policy for that year in which the claim originated. In these instances, payments by the Group and Company in respect of these claims are refunded by the insurer.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Deferred tax continued...

11.2 The deferred taxation arises from the following temporary differences:

Provisions	30,117	30,585	26,725	24,545
Payments received in advance	46,335	43,236	44,474	36,692
Unrealised foreign exchange losses	5,618	(1,159)	-	-
Calculated tax loss	305	2,131	-	-
Deferred tax asset not recognised	(6,119)	-	-	-
Section 24C allowance	(18,832)	(15,182)	(18,837)	(16,115)
Work in progress	(33,078)	(35,312)	(32,773)	(32,546)
Prepaid expenditure	(7,388)	(3,957)	(7,188)	(3,948)
IFRS 16	2,408	6,193	2,389	6,414
Property, Plant and Equipment	(216)	(3,306)	-	-
Closing balance at 30 June 2024	**19,150**	**23,229**	**14,790**	**15,041**
Deferred tax liabilities	(3,688)	(5,853)	-	-
Deferred tax assets	22,838	29,082	14,790	15,041
	19,150	**23,229**	**14,790**	**15,041**

The rate change relates to Eswatini where the income tax rate changed from 27,5% to 25% and in Rwanda where the income tax rate reduced from 30% to 28% for the year ended 30 June 2024 (Group).

Deferred tax assets are recoverable based on management's forecast of future taxable profits.

Deferred tax assets of ZAR 74 million (2023: ZAR 104,72 million) on accumulated losses in Ghana, Kenya, Eswatini, Qatar, Angola, Namibia and Mozambique were not recognised as management does not deem these amounts to be recoverable at this point in time.

12. Current tax assets and liabilities

Current tax assets	15,194	8,902	3,664	-
Current tax liabilities	(33,673)	(26,021)	(11,552)	(12,643)
	(18,479)	**(17,119)**	**(7,888)**	**(12,643)**
At beginning of the year	(17,119)	(15,254)	(12,643)	(11,285)
Income taxation expense	(64,989)	(59,584)	(46,364)	(44,979)
Foreign exchange difference	4,265	63	-	-
Penalty and interest accrual	88	55	88	-
Taxation paid	59,276	57,601	51,031	43,621
At end of the year	**(18,479)**	**(17,119)**	**(7,888)**	**(12,643)**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

16. Loans to group companies

Loans to group companies comprises of the following balances

Aurecon Infrastructure Projects (Pty) Ltd	-	-	9	9
Zutari Eswatini (Pty) Ltd	-	-	8,610	8,873
Zutari Lesotho (Pty) Ltd	-	-	-	7,834
Zutari Africa Ltd *	-	-	200,000	200,000
	-	-	**208,619**	**216,716**
Non-current assets		-	200,009	200,009
Current assets	-	-	8,610	16,707
	-	-	**208,619**	**216,716**

Inter-company loans are unsecured, interest-free, and have no fixed repayment terms. These loans arose primarily through inter-company transactions included in net income.

* The non-current portion of the loan to Zutari Africa Limited and Aurecon Infrastructure Projects (Pty) Ltd is treated as an investment in foreign operations and Zutari (Pty) Ltd has no intention to recall the loan in the next 12 months.

17. Loan to shareholder

Loan to shareholder comprises of the following

Namibia Black Empowerment Education Trust	1,708	1,522	-	-
	1,708	**1,522**	-	-

The loan to Namibia Black Empowerment Education Trust is secured, has no fixed repayment terms and bears interest at the Namibian prime lending rate less 0.5%.

18. Prepayments

Prepayments comprise the following balances

Prepayment	43,378	39,274	34,721	29,403

19. Cash and cash equivalents

19.1 Cash and cash equivalents comprise:

Cash				
Cash on hand	562	484	261	217
Balances with banks	172,820	196,688	97,365	95,188
Foreign exchange differences	9,844	77	(1,881)	(506)
Total cash and cash equivalents	**183,226**	**197,249**	**95,745**	**94,899**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Provisions and other payables continued...

21.2 Provisions for employee benefits

	Employees` end of service benefits
Balance at 1 July 2023 - Group	**48,115**
Increase in existing provisions	27,459
Provision used	(18,356)
Foreign exchange differences	(2,224)
Balance at 30 June 2024- Group	**54,994**
Balance at 1 July 2022 - Group	**45,125**
Increase in existing provisions	17,145
Provision used	(20,047)
Foreign exchange differences	5,892
Balance at 30 June 2023 - Group	**48,115**

21.3 Details of employee benefit provisions

Employees` end of service benefits

The entitlements to these benefits are based upon the employees' final salary and length of service, subject to the completion of a minimum service period. The expected costs of these benefits are accrued over the period of employment.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Provisions and other payables continued...

21.5 Further Information

Professional indemnity insurance

The Group provides for the net cost of professional indemnity and claims made by clients from time to time. The provision takes into account claims made and possible claims for past events and obligations based on information available to the Group, and assessments and advice of industry experts.

Provision for onerous contract

The Group has a project (Design of conveyor in the Port of Richards Bay) that is onerous, therefore the present obligation under the contract is recognised and measured as a provision.

An onerous contract is a contract under which the unavoidable costs (i.e. the costs that the Group cannot avoid because it has the contract) of meeting the obligations under the contract exceed the economic benefits expected to be received from it. The unavoidable costs from a contract reflect the lower of net cost of fulfilling it and any compensation or penalties arising from failure to fulfil.

Other provisions

Included in other provisions is the incentive scheme offered to owners in the Middle East at time of acquisition. The provision is recognised for expected payments to owners based on the terms set out in the scheme agreement.

22. Trade and other payables

22.1 Trade and other payables comprise:

Trade payables	115,266	126,527	57,995	70,283
Sundry accruals*	62,434	74,540	18,432	35,780
Salary control	33,771	40,068	31,674	36,883
Bonus accrual	1,357	952	997	623
Other payables	24,215	34,930	3,639	5,990
Leave pay accrual	98,399	83,897	68,124	59,837
Value added tax	15,605	11,136	13,652	7,741
Total trade and other payables	**351,047**	**372,050**	**194,513**	**217,137**

22.2 Items included in trade and other payables not classified as financial liabilities

Value added tax	15,605	11,136	13,652	7,741
Bonus accrual	1,357	952	997	623
Total non-financial liabilities included in trade and other payables	16,962	12,088	14,649	8,364
Total trade and other payables excluding non-financial liabilities included in trade and other payables	334,085	359,962	179,864	208,773
Total trade and other payables	**351,047**	**372,050**	**194,513**	**217,137**

* Included in sundry accruals are accruals for audit fees of R21,8 million and R45,8 million relates to good and services provided before year end where invoices not yet received.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Lease obligations continued...

23.6 Other information related to leases

Leasing activities and accounting for leases

Leases are recognised as a right-of-use asset and a corresponding liability at the date at which the leased asset is available for use by the Group. Each lease payment is allocated between the liability and finance cost. The finance cost is charged to profit or loss over the lease period so as to produce a constant periodic rate of interest on the remaining balance of the liability for each period. The right-of-use asset relating to buildings is depreciated over the shorter of the asset's useful life and the lease term on a straight-line basis. Per IFRS 16, we opted to depreciate in-line with the useful lives of Plant and Equipment for leased plant and equipment.

Assets and liabilities arising from a lease are initially measured on a net present value basis. Lease liabilities include the net present value of the following lease payments:

- fixed payments (including in-substance fixed payments), less any lease incentives receivable
- variable lease payment that are based on an index or a rate
- payments of penalties for terminating the lease, if the lease term reflects the lessee exercising that option.

The lease payments are discounted using the interest rate implicit in the lease, if that rate can be determined, or the Group's incremental borrowing rate.

Right-of-use assets are measured at cost comprising the following:

- the amount of the initial measurement of lease liability
- any lease payments made at or before the commencement date less any lease incentives received
- any initial direct costs, and
- restoration costs.

Payments associated with short-term leases are recognised on a straight-line basis as an expense in profit or loss. Short-term leases are leases with a lease term of 12 months or less.

23.7 Further information

Lease agreements were entered into by the Group and the Company with one financial institution for the acquisition of plant, equipment and motor vehicles. The repayment period of these instalment sale agreements does not exceed 60 months (2023: 60 months) with interest rates between 6% and 11,5% (2023: 6% and 11,5%).

Refer to note 23 for the carrying value of assets subject to leasing agreements.

24. Loans from group companies

24.1 Loans from group companies comprises of the following balances

Zutari (Namibia) (Pty) Ltd	-	-	7,217	5,118
Zutari Lesotho (Pty) Ltd	-	-	14,248	-
Zutari Africa Ltd	-	-	108,371	47,191
	-	-	**129,836**	**52,309**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2024	Group 2023	Company 2024	Company 2023

Loans from shareholders continued...

27.2 Further information

*

The loan remains unsecured and interest free. Repayment of R130million were agreed on between Zutari Investments (Pty) Ltd and Zutari (Pty) Ltd,within the next 12 months. The directors of Zutari Investments (Pty) Ltd have no intention to recall the remaining portion of the loan within the next 12 months and has formally confirmed this to Zutari (Pty) Ltd.

28. Revenue

28.1 Revenue comprises:

Rendering of services	2,445,424	2,005,733	1,952,034	1,512,696
Subcontractor cost and expense recovered	701,258	567,392	444,933	382,864
Total revenue	**3,146,682**	**2,573,125**	**2,396,967**	**1,895,560**

28.2 Sources of revenue

Contracts with customers	3,146,682	2,573,125	2,396,967	1,895,560
	3,146,682	**2,573,125**	**2,424,809**	**1,895,560**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Revenue continued...

28.4 Contract balances

Contract receivables and assets are disclosed as part of trade and other receivables and inventories, and contract liabilities are disclosed as part of fees in advance on the statement of financial position.

Current contract receivables				
Trade receivables	727,330	659,154	407,642	370,241
Work in progress	295,431	268,447	121,382	120,543
	1,022,761	**927,601**	**529,024**	**490,784**
Current contract liabilities				
Fees in advance	(439,467)	(354,755)	(280,308)	(236,440)
	(439,467)	**(354,755)**	**(280,308)**	**(236,440)**

Fees in advance (contract liabilities) for the Company and Group increased from 30 June 2023 to 30 June 2024 due to increase in revenue recognised from contract liabilities as at June 2023.

28.5 Revenue recognised in relation to contract liabilities

The following table shows how much of the revenue recognised in the current reporting period relates to carried-forward contract liabilities and how much relates to performance obligations that were satisfied in a prior year.

Revenue recognised that was included in the contract liability balance at the beginning of the period				
Revenue from contracts with customers	175,459	206,539	143,182	124,610
	175,459	**206,539**	**143,182**	**124,610**

28.6 Performance obligations

The Group's performance obligations are typically delivery of engineering and consultancy services.

The payment terms generally provide for a 60-day period in South Africa. Payment terms of up to 60 days are granted in the Middle East and up to 90 days are granted in the rest of Africa. Contracts do not contain any significant financing components. Professional indemnity and rectification claims related to services provided are accounted for as provisions.

The transaction price allocated to the remaining performance obligations (unsatisfied or partially unsatisfied) as at 30 June are as follows:

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000

30. Profit from operating activities

30.1 Profit from operating activities includes the following separately disclosable items

Cost of sales				
Employee cost (including Directors' emoluments. Refer note 35).	1,187,294	958,900	834,112	696,727
Subconsultant expense	524,008	418,992	526,752	296,384
Other operating expenses				
Property plant and equipment - depreciation	95,912	92,331	81,591	80,618
Intangible assets - amortisation	5,773	3,011	4,491	2,162
Employee cost (including Directors' emoluments. Refer note 35).	597,917	507,365	470,252	382,260
Auditors remuneration - fees	16,643	13,049	5,266	4,617

30.2 Other material (income)/expense requiring separate disclosure

Management fees received (Refer note 35)	-	-	37,629	(28,553)
Bad debts written off	18,132	4,763	2,614	1,300
Movement in impairment of trade receivables	(23,772)	34,668	3,584	4,527
Movement in provision for impairment of work in progress	(7,571)	(10,530)	(3,401)	313
Lease related expense	21,214	17,127	17,621	14,186
(Gain)/Loss on modification of lease	(144)	(31)	-	(31)

31. Investment income

Investment income comprises of:

Interest received on bonds	-	358	-	-
Interest received from banks	7,473	6,624	6,157	5,290
Total finance income	**7,473**	**6,982**	**6,157**	**5,290**

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023
Income tax expense continued...				
33.2 The income tax for the year can be reconciled to accounting profit as follows:				
Profit before tax from operations	291,837	145,387	162,901	160,637
Income tax calculated at 27.0%	27.00%	27.00%	27.00%	27.00%
Tax effect of				
Non-deductible expenditure	2.16%	8.00%	1.39%	(0.05%)
Non-taxable income	(3.30%)	(30.00%)	0.00%	0.44%
Higher/(lower) tax rate in other countries	(3.13%)	31.00%	0.00%	(0.09%)
Foreign exchange adjustment	0.83%	2.00%	0.00%	0.00%
Prior year adjustment	0.06%	1.00%	0.22%	0.00%
Deferred taxation asset not raised	(0.57%)	1.00%	0.00%	0.00%
Rate change	0.24%	0.00%	0.00%	0.00%
Foreign taxes/(credits)	0.27%	1.62%	0.00%	0.00%
Effective tax rate	**23.56%**	**41.62%**	**28.61%**	**27.30%**

Group

The non taxable items relate primarily to the non taxable foreign exchange items in Angola.

The non deductible items relate primarily to non deductible unrealised movements in Angola, impairments and non deductible withholding tax expenses.

On 31 January 2022, the Ministry of Finance (MOF) of the United Arab Emirates (UAE) confirmed that the UAE will introduce federal corporate tax (CT) for financial years starting on or after 1 June 2023. This announcement follows confirmation by the MOF in July 2021 that the UAE would support the global minimum effective tax rate under BEPS 2.0. The CT law was released on 9 December 2022. Zutari MDE companies first accounting year subject to CT will be 1 July 2023 – 30 June 2024. The CT rates are 0% for taxable income up to AED375,000 and; 9% for taxable income above AED375,000. Multinationals will also be subject to CT under the regular CT regime.

Company

The non deductible items relate to withholding tax expenses, non deductible donations, investment impairment, and capital expenditure.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Contingent liabilities continued...

34.2 IFRIC 23 Uncertainty over Tax Treatments

The interpretation details how an entity or group of entities should reflect any effects of uncertainties in accounting for income taxes.

Zutari operates in a number of jurisdictions in Africa and Middle East and is subject to and pays taxes in accordance with the prevailing tax legislation specific to the country in which it operates. The group has filed and continues to file all relevant income tax returns and pays the taxes determined to be due.

Within the jurisdictions that the group operates it is noted that the tax legislation is highly complex and subject to interpretation of the application of the law. It is common for the relevant Tax Authorities to review the returns, and in some instances, disputes may arise over the interpretation and application of the prevailing tax legislation.

Due to the complexity of the legislation significant judgement is required to determine any effects of uncertainties in accounting for and disclosure of income taxes. Uncertain tax positions that have been assessed to be possible (i.e. contingent) within the Group are Rnil , and are disclosed to such an extent that such disclosure does not prejudice the group.

35. Related parties

35.1 Group companies

Parent company	Zutari Investments (Pty) Ltd (Refer to note 27)
Ultimate parent	Zutari Ownership Trust
Amounts owing to/ from related parties	
Holding entities	Refer note 17 and 27
Subsidiaries	Refer note 16 and 24
Affiliated companies	Refer note 16 and 24

35.2 Affiliated companies

These are the entities not listed in note 7.

Entity name	Issued share capital (R'000)	Place of incorporation and business
Zutari Kenya Ltd*	-	Kenya
Zutari Rwanda Ltd	156	Rwanda
Zutari Consulting Nigeria Ltd	3,120	Nigeria
Zutari Ghana Ltd	4,000	Ghana
Zutari Uganda (Pty) Ltd*	-	Uganda
ce Africon Angola Limitada	16	Angola
Aurecon Engineering Consultants LLC	841	Qatar

* Due to the rounding these amounts are not displayed.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023
Related parties continued...				
Revenue				
Subsidiaries				
Zutari (Namibia) (Pty) Ltd	-	-	1,526	3,887
Zutari Eswatini (Pty) Ltd	-	-	4,505	10,072
Zutari Botswana (Pty) Ltd	-	-	44,057	18,306
Zutari Mozambique Limitada	-	-	1,659	1,953
Zutari Angola Limitada	-	-	2,649	415
Zutari Lesotho (Pty) Ltd	-	-	18,225	34,379
Zutari Africa Ltd	-	-	74,902	81,889
Affiliated companies				
Zutari Kenya Ltd	-	-	2,194	4,185
Zutari Rwanda Ltd	-	-	-	1,850
Zutari Consulting Nigeria Ltd	-	-	5,732	1,383
Zutari Ghana Ltd	-	-	1,621	7,370
Zutari Uganda (Pty) Ltd	-	-	-	207
Zutari Engineering Consultants LLC			519	1,923
AYAAG Engineering Consultancy	-	-	13,721	-

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Related parties continued...

35.4 Compensation paid to directors and prescribed officers

Name	Basic salary	Provident fund	Other	Total remuneration
2024				
Company				
[redacted] *	-	-	650	650
[redacted]	-	-	450	450
[redacted] *	-	-	450	450
[redacted]	-	-	450	450
[redacted]	1,437	-	482	1,919
[redacted] (to 15 March 2024)**	946	100	266	1,312
[redacted] from 15 July 2024)**	-	-	-	-
[redacted]	4,332	354	456	5,142
[redacted]	2,976	316	134	3,426
[redacted]	3,095	-	235	3,330
[redacted] *	1,713	124	135	1,972
[redacted] ***	1,510	223	348	2,081
[redacted] ***	1,332	454	283	2,069
[redacted] (to 31 March 2024)***	1,156	132	1,502	2,790
[redacted] March 2024)	713	57	30	800
[redacted]	1,726	286	63	2,075
[redacted] o ***	1,759	139	502	2,400
[redacted] ***	1,940	210	128	2,278
[redacted] ***	1,709	222	129	2,060
[redacted] December 2023)	976	110	1,363	2,449
[redacted] **	2,702	347	377	3,426
Total compensation paid to directors and prescribed officers	**30,022**	**3,074**	**8,433**	**41,529**
Group				
Non-executive directors *	1,437	-	2,482	3,919
Executive directors **	8,254	770	856	9,880
Prescribed officers ***	20,331	2,304	5,095	27,730
	30,022	**3,074**	**8,433**	**41,529**
Company				
Non-executive directors **	1,437	-	2,482	3,919
Executive directors *	8,254	770	856	9,880
Prescribed officers ***	20,331	2,304	5,095	27,730
	30,022	**3,074**	**8,433**	**41,529**
Paid by company				41,529

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Related parties continued...

	Total
Paid by company	40,535

36. Events after the reporting date

Reorganisation of the group structure

On 6 August 2024 the Board in-principle approved the reorganisation of Zutari's corporate structure. The objective of the reorganisation is to support the implementation of Zutari's strategic objective of becoming a truly multi-national organisation. It is intended that the main holding entity of the Zutari Group will be domiciled in Dubai (UAE) and that the shareholding of all non-South African Zutari entities be consolidated under this new Group holding company.

The directors are not aware of any matter or circumstance arising since the end of the financial year to the date of this report that requires adjustment or disclosure in the consolidated and separate financial statements.

37. Going concern

The directors are negotiating with the holding company to provide additional capital or alternately to subordinate its loan to the company in favour of the other creditors until the assets of the company, fairly valued, exceed its liabilities and to provide additional working capital on an on-going basis.

38. Financial risk management

The Group's and Company's principal financial instruments comprise cash, short term deposits, receivables, payables, finance leases and intercompany loans.

The main risks arising from the Group's and Company's financial instruments are foreign exchange risk, liquidity risk and credit risk. Senior management, in conjunction with the Board, reviews and agrees policies for managing each of these risks.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000

Financial risk management continued...

The following significant exchange rates applied during the year:

	Average rate		Reporting date mid-spot rate	
	2024	**2023**	**2024**	**2023**
USD 1	18.6822	17.6603	18.6161	18.8554
AOA 1	0.0222	0.0364	0.0221	0.0227
AED 1	5.0867	4.8079	5.0688	5.1332

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR '000	Group 2024	Group 2023	Company 2024	Company 2023

Financial risk management continued...

38.3 Liquidity risk

Liquidity risk arises from the possibility that there will be insufficient funds available to make payments as and when required. The Group's objective is to maintain a balance between continuity of funding and flexibility through the use of credit facilities, bank loans and finance leases.

The Group minimises liquidity risk by:

- maintaining a significant level of cash and cash equivalents and continuous monitoring of forecasted cash flows;
- maintaining an adequate level of undrawn committed facilities in various currencies that can be drawn at short notice;
- monitoring duration of long term debt.

The risks implied from the values shown in the table below reflect contractual cash outflows. Leasing obligations, trade payables and other financial liabilities mainly originate from the financing of assets used in ongoing operations such as plant, equipment and buildings and investments in working capital.

38.3.1 Maturities of financial liabilities

The tables below analyse the group's financial liabilities into relevant maturity groupings based on their contractual maturities for all financial liabilities.

The amounts disclosed in the table are the contractual undiscounted cash flows. Balances due within 12 months equal their carrying balances as the impact of discounting is not significant.

Contractual maturities of financial liabilities	Within 1 year	Over 1 year	Total contractual cash flows	Carrying amount
Year ended 30 June 2024 - Group				
Trade and other payables excluding non-financial liabilities (Note 22)	334,085	-	**334,085**	**334,058**
Lease obligation (Note 23)	98,632	69,358	**167,990**	**152,155**
Loans from shareholders (Note 27)	130,000	59,487	**189,487**	**189,487**
Total	**562,717**	**128,845**	**691,562**	**675,700**
Year ended 30 June 2023 - Group				
Trade and other payables excluding non-financial liabilities (Note 22)	359,962	-	**359,962**	**359,962**
Finance lease obligation (Note 23)	100,569	132,618	**233,187**	**206,670**
Loans from shareholders (Note 27)	130,000	59,487	**189,487**	**189,487**
Total	**590,531**	**192,105**	**782,636**	**756,119**

agement continued...

ade receivables

Not past due nor impaired	Not past due and impaired *	Past due and not impaired	Past due and impaired *
356,367	413	-	-
76,920	1	-	-
22,996	53	37,575	27
-	-	39,812	-
-	-	46,394	2,118
-	-	80,618	262,960
456,283	**467**	**204,399**	**265,105**
300,554	68	-	-
105,515	63	-	-
24,053	1,202	14,471	-
-	-	42,822	31,184
-	-	48,365	651
-	-	59,291	288,446
430,122	**1,333**	**164,949**	**320,281**

receivables impairment amounts to ZAR 199,9 million (2023: ZAR 257,5 million) and the amounts above are
y impaired.

Notes to the Consolidated and Separate Annual Financial Statements

Figures in ZAR `000	Group 2024	Group 2023	Company 2024	Company 2023

Financial risk management continued...

38.3.3 Capital management

For the purpose of the Group's capital management, capital includes issued capital and all other equity reserves attributable to the equity holders of the parent. The primary objective of the Group's capital management is to maximise the shareholder value.

The Group manages its capital structure and makes adjustments in light of changes in economic conditions. To maintain or adjust the capital structure, the Group may adjust the dividend payment to shareholders, return capital to shareholders or issue new shares.

No changes were made in the objectives, policies or processes for managing capital during the year ended 30 June 2024.

39. Dividend paid

Dividend paid as follows:

Dividend paid	(130,000)	(140,000)	(130,000)	(140,000)

40. Income tax paid

Amounts receivable / (payable) at the beginning of the year	(17,119)	(15,254)	(12,643)	(11,285)
Amounts (receivable) / payable at the end of the year	18,479	17,119	7,888	12,643
Taxation expense	(64,989)	(60,520)	(46,364)	(43,870)
Less deferred tax included in taxation expense	-	936	-	(1,109)
Withholding tax not claimable	-	-	-	-
Foreign exchange difference	4,265	63	-	-
Penalty and interest accrual	88	55	88	-
	(59,276)	(57,601)	(51,031)	(43,621)

41. Capital commitments

The Group and Company has entered into leases on certain motor vehicles, equipment and buildings, with lease terms between three and five years. Refer note 23.