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V8 – 13/01/2025

TENDER NO.: B/SM 23/27

WEB BASED POWER QUALITY MONITORING / MANAGEMENT SYSTEM IN STELLENBOSCH MUNICIPALITY AREA (WC024) FOR THE PERIOD ENDING 30 JUNE 2032

PROCUREMENT DOCUMENT

NAME OF TENDERER:			
Total Bid Price (Inclusive of VAT) *(refer to page 84)*:	**Rates based tender**		
BBBEE LEVEL			
CLAIM POINTS FOR	**LOCALITY**	**YES**	**NO**

DATE: NOVEMBER 2026

PREPARED AND ISSUED BY:

Directorate: Finance:
Supply Chain Management Unit
Stellenbosch Municipality,
PO Box 17, Stellenbosch, 7599

CONTACT FOR ENQUIRIES REGARDING SPECIFICATIONS:

Mkuseli Lwana

Manager: Operations and Maintenance

Tel. Number: **021 808 8302**

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1. TENDER NOTICE & INVITATION TO TENDER

BID NOTICE

STELLENBOSCH MUNICIPALITY HEREBY INVITES YOU TO TENDER FOR B/SM 23/27: WEB BASED POWER QUALITY MONITORING / MANAGEMENT SYSTEM IN STELLENBOSCH MUNICIPALITY AREA (WC024) FOR THE PERIOD ENDING 30 JUNE 2032

TENDER NUMBER: **B/SM 23/27**

DESCRIPTION: **WEB BASED POWER QUALITY MONITORING / MANAGEMENT SYSTEM IN STELLENBOSCH MUNICIPALITY AREA (WC024) FOR THE PERIOD ENDING 30 JUNE 2032**

CLOSING DATE: **25 January 2027**
CLOSING TIME: 12h00: Bids will be opened in the **Council Chambers or Supply Chain Management Boardroom.**

INFORMATION:
Tender Specifications: Mkuseli Lwana **at** 021 808 8302**: e-mail:** mkuseli.lwana@stellenbosch.gov.za
SCM Requirements: Jeanette Williams at 021 808 8524: **e-mail:** Jeanette.Williams@stellenbosch.gov.za

Office hours for collection; 08h00-15h30

A Compulsory Clarification Meeting via Virtual Meeting will be held on **03 December 2026 at 11:00.** The meeting will be held via the Microsoft Teams App. Tenderers must ensure to download the App and give **Mercia Davidse** at mercia.davidse@stellenbosch.gov.za the necessary contact details (email address and cell phone number) at least 48 hours prior (**01 December 2026 at 11:00)** to the meeting to enable to set up a virtual meeting. Tenderers who fail to forward their details in the time frame will not attend the briefing session. Tenderers who did not give the contact details on time may also be regarded as non-compliant. The department will forward the link.

Tenders may only be submitted on the Tender document issued by Stellenbosch Municipality and must be valid for **180 days** after tender closing. Late, electronic format, telephonic or faxed Tenders will not be considered, and Stellenbosch Municipality does not bind itself to accept the lowest bid or any of the tenders that has been submitted.

Sealed Tenders, with **"B/SM 23/27 WEB BASED POWER QUALITY MONITORING / MANAGEMENT SYSTEM IN STELLENBOSCH MUNICIPALITY AREA (WC 024) FOR THE PERIOD ENDING 30 JUNE 2032",** clearly endorsed on the envelope, must be deposited in the Tender box at the offices of the Stellenbosch Municipality, Town House Complex (Main Building between Town Hall and Municipal Library), Plein Street, Stellenbosch. The Tender box is accessible 24 hours a day and Tenders must be accompanied by the completed Tender documents. Tenders not accompanied by a complete Tender document, will not be considered.

NOTE: This tender will be evaluated in terms of the General Conditions of Contract (GCC), Supply Chain Management Policy and relevant specification as depicted in the document and also the Stellenbosch Preferential Procurement Policy effective from 16 January 2023 in accordance with the Preferential Procurement Regulations that was promulgated by the Minister of Finance on 04 November 2022 in Government Gazette No 47452.

The preferential points system applied is as follows:80/20 in terms of the approved policy.

Price	**80**
B-BBEE status level of contribution	**10**
Locality	**10**
Total points for Price, B-BBEE and locality	**100**

The following conditions to Tender exist (failure to comply may result in your Tender being disqualified):

1. This Tender is subject to the general conditions of contract (GCC) and special conditions for Tendering.
2. Relevant terms of reference.
3. Tenderers must be registered on the Central supplier database (CSD) if they wish to conduct business with the municipality.
4. No award will be made to tenderers whose tax status is non-compliant.
5. Tenders submitted must be in a sealed envelope clearly marked with the Tender number, placed in the tender box before closing time. Failure will result in the tender being invalid.

*Tender documents, in English, are available free of charge on the website: www.stellenbosch.gov.za. Alternatively, hard copies of the document are obtainable from the offices of the Supply Chain Management Unit, Stellenbosch Municipality, Town House Complex, 1st Floor, Plein Street, Stellenbosch, upon payment of a non-refundable fe**e of R 435.00 per document.***

Note: The municipality will never contact you to pay money in exchange for the award of a tender.

G Mettler (Ms)
MUNICIPAL MANAGER

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TENDER KENNISGEWING

STELLENBOSCH MUNISIPALITEIT NOOI U VIR DIE VOLGENDE TENDER: B/SM 23/27 WEBGEBASEERDE KRAGGEHALTE-MONITERINGS-/BESTUURSTELSEL IN DIE STELLENBOSCH MUNISIPALE GEBIED (WC024) VIR DIE TYDPERK EINDIG 30 JUNIE 2032

TENDER NOMMER: **B/SM 23/27**
BESKRYWING: **WEBGEBASEERDE KRAGGEHALTE-MONITERINGS-/BESTUURSTELSEL IN DIE STELLENBOSCH MUNISIPALE GEBIED (WC024) VIR DIE TYDPERK EINDIG 30 JUNIE 2032**

SLUITINGSDATUM: **25 Januarie 2027**
TYD VAN SLUITING: **12h00.** Tenders sal oopgemaak word in die **Raadsaal** of in die **Voorsieningskanaalbestuurs Raadsaal**.

NAVRAE:
Tender spesifikasies: Mkuseli Lwana **at** 021 808 8302**: e-mail:** mkuseli.lwana@stellenbosch.gov.za
Vkb vereistes: Jeanette Williams at 021 808 8524: **e-mail:** Jeanette.Williams@stellenbosch.gov.za
Kantoor Ure: 08h00-15h30

'n Verpligte inligtingsessie Virtuele sal gehou word op **03 Desember 2026 om 11:00.** Die verpligte inligtingsessie sal via die Microsoft Teams-app gehou word. Tenderaars moet toesien dat hulle die "App" aflaai en die nodige kontakbesonderhede (e-posadres en selfoonnommer) ten minste 48 uur voor die vergadering (**01 Desember 2026 om 11:00**) aan Mercia Davidse by mercia.davidse@stellenbosch.gov.za verskaf om die munisipaliteit in staat te stel om die virtuele vergadering op te stel. Tenderaars wat nie die verpligte inligtingsessie bywoon nie, sal nie in ag geneem word nie. Die departement sal die skakel aanstuur.

Tenders mag slegs ingedien word op die tenderdokumentasie verskaf deur Stellenbosch Munisipaliteit en moet geldig wees vir **180 dae** na die sluitingsdatum. Laat, elektroniese formaat of gefakse tenders sal nie aanvaar word nie en Stellenbosch Munisipaliteit is nie verplig om die laagste of enige tender wat ingedien word te aanvaar nie.

Verseëlde tenders duidelik gemerk: "**B/SM 23/27 WEBGEBASEERDE KRAGGEHALTE-MONITERINGS-/BESTUURSTELSEL IN DIE STELLENBOSCH MUNISIPALE GEBIED (WC024) VIR DIE TYDPERK EINDIGEND 30 JUNIE 2030",** op die koevert, moet geplaas word in tenderbus buite die kantore van Stellenbosch Munisipaliteit ,Meenthuis Kompleks, (Hoofgebou tussen Stadsaal en Munisipale Biblioteek), Stellenbosch. Die tenderbus is 24 uur per dag beskikbaar en tenders moet vergesel word met die voltooide stel tenderdokumente. Tenderaanbiedinge wat nie deur die volledige tenderdokument vergesel word nie, sal nie oorweeg word nie.

LET WEL: Hierdie tender sal geëvalueer word ingevolge die Algemene Kontrakvoorwaardes (GCC), Voorsieningskanaal Bestuursbeleid and relevante spesifikasies, soos vervat in die tender dokument asook die Stellenbosch **Voorkeurverkrygingsbeleid effektief vanaf 16 Januarie 2023 in samewerking met die Voorkeurverkrygingsregulasies wat op 04 November 2022 deur die Minister van Finansies in Staatskoerant No 47452 afgekondig is.**

Die voorkeurpunte stelsel is soos volg gebaseer: 80/20 in terme van die goedgekeurde beleid:

Prys	**80**
BBSEB status	**10**
Ligging	**10**
Totale punte vir prys, B-BSEB en ligging	**100**

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Die volgende voorwaardes vir Tender soos volg: (versuim om te voldoen, kan veroorsaak dat u Tender gediskwalifiseer word):

1. Hierdie tender is onderworpe aan die algemene kontrakvoorwaardes (GCC) en spesiale voorwaardes vir die tender;
2. Toepaslike opdrag
3. Tenderaars moet geregistreer wees op Sentrale verskaffersdatabasis (SVD) as hulle met die munisipaliteit sake wil doen
4. Geen toekenning sal gemaak word aan diensverskaffers wie se Belasting status ongeldig is.
5. Die tender wat ingedien moet word, moet in 'n verseëlde koevert wees wat duidelik gemerk is met die Tendernommer, wat in die tenderbus voor sluitingstyd geplaas word. Versuim sal tot gevolg hê dat die tender ongeldig is.

Tenderdokumente, in Engels, is verkrygbaar by die kantoor van die Voorsieningskanaalbestuurseenheid, Stellenbosch Munisipaliteit, Meenthuis Kompleks, *1ste Vloer, Pleinstraat, Stellenbosch na betaling van 'n nie-terugbetaalde tenderdeelnamefooi van* ***R 435.00 per dokument.*** *Alternatiewelik mag die dokument gratis afgelaai word vanaf die webblad www.stellenbosch.gov.za.*

Let wel: Die munisipaliteit sal jou nooit kontak om geld te betaal in ruil vir die toekenning van 'n tender nie.

G Mettler (Me)
MUNISIPALE BESTUURDER

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PART A
INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (*NAME OF MUNICIPALITY/ MUNICIPAL ENTITY*)					
BID NUMBER:	**B/SM 23/27**	CLOSING DATE:	**25 January 2027**	CLOSING TIME:	**12:00**
DESCRIPTION	**WEB BASED POWER QUALITY MONITORING / MANAGEMENT SYSTEM IN STELLENBOSCH MUNICIPALITY AREA (WC024) FOR THE PERIOD ENDING 30 JUNE 2032**				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					

BID RESPONSE DOCUMENTS MUST BE DEPOSITED IN THE BID BOX SITUATED AT **STELLENBOSCH MUNICIPALITY, TOWN HOUSE COMPLEX (MAIN BUILDING BETWEEN TOWN HALL AND MUNICIPAL LIBRARY), PLEIN STREET, STELLENBOSCH**

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		**OR**	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	☐ Yes ☐ No	

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

1. ARE YOU THE ACCREDITED REPRESENTATIVE **IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?**	☐Yes ☐No [IF YES ENCLOSE PROOF]	**2.** ARE YOU A FOREIGN BASED SUPPLIER FOR **THE GOODS /SERVICES /WORKS OFFERED?**	☐Yes ☐No [IF YES, ANSWER PART B:3]
3. TOTAL NUMBER OF ITEMS OFFERED		**4. TOTAL BID PRICE**	**Rates based tender**
5. SIGNATURE OF BIDDER	……	**6. DATE**	
7. NAME AND SURNAME OF RESPONSIBLE PERSON			
8. CAPACITY UNDER WHICH THIS BID IS SIGNED			

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		**TECHNICAL INFORMATION MAY BE DIRECTED TO:**	
DEPARTMENT	Finance Department (SCM)	CONTACT PERSON	Mkuseli Lwana
CONTACT PERSON	Jeanette Williams	TELEPHONE NUMBER	021 808 8302
TELEPHONE NUMBER	021 808 8524	E-MAIL ADDRESS	Mkuseli.lwana@stellenbosch.gov.za
E-MAIL ADDRESS	Jeanette.Williams@stellenbosch.gov.za		

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PART B
TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.

1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED– (NOT TO BE RE-TYPED) OR SUBMITTED ONLINE**

1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 16 January 2023, THE STELLENBOSCH SUPPLY CHAIN MANAGEMENT POLICY, THE GENERAL CONDITIONS OF CONTRACT (GCC, JBCC, FIDIC OR CIDB) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.

2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.

2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.

2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.

2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.

2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.

2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

3.1.	IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO
3.2.	DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO
3.3.	DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO
3.4.	DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO
3.5.	IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.
NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.

SIGNATURE OF BIDDER:

……

CAPACITY UNDER WHICH THIS BID IS SIGNED:

……

NAME AND SURNAME DATE

……..... ……..

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PART A – ADMINISTRATIVE REQUIREMENTS IN TERMS OF THE SUPPLY CHAIN MANAGEMENT POLICY

2. CHECKLIST

PLEASE ENSURE THAT THE FOLLOWING FORMS HAVE BEEN DULY COMPLETED AND SIGNED AND THAT ALL DOCUMENTS AS REQUESTED, ARE ATTACHED TO THE TENDER DOCUMENT:

Certificate of Virtual Meeting Attendance - Is the form duly completed and signed by both tenderer and agent of the Stellenbosch Municipality?	**Yes**		**No**	
Authority to Sign a Bid - Is the form duly completed and is a **certified copy** of the **resolution** attached?	**Yes**		**No**	
MBD 4 (Declaration of Interest) - Is the form duly completed and signed?	**Yes**		**No**	
MBD 6.1 (Preference Points claim form for purchases/services) - Is the form duly completed and signed? Is a copy of the **B-BBEE Certificate** issued by a Verification Agency accredited by SANAS **or** the **original Sworn Affidavit** attached? (NB! BBBEE CERTIFICATES CAN BE VERIFIED WITH THE VERIFICATION AGENCY BUT A SWORN AFFIDAVIT **MUST** BE AN ORIGINAL AND **NOT** A COPY TO BE ELIGIBLE FOR BBBEE POINTS)	**Yes**		**No**	
MBD 8 (Declaration of Past Supply Chain Practices) - Is the form duly completed and signed?	**Yes**		**No**	
MBD 9 (Certificate of Independent Bid Determination) - Is the form duly completed and signed?	**Yes**		**No**	
MBD 10 (Certificate of Payment of Municipal Accounts) - Is the form duly completed and signed? Are the **Identity numbers**, **residential addresses** and **municipal account numbers** of **ALL** members, partners, directors, etc. provided on the form as requested? (NB! MUNICIPAL ACCOUNTS WILL BE VERIFIED AND USED AS BASIS FOR PREFERENCE POINTS SCORING IN TERMS OF THE STELLENBOSCH PREFERENTIAL PROCUREMENT POLICY. THE BUSINESS ADDRESS, LEASE AGREEMENT OR SWORN AFFADAVIT WILL BE THE BASIS FOR AWARDING POINTS FOR LOCALITY)	**Yes**		**No**	
OHSA (Occupational Health and Safety) - Is the form duly completed and signed? Is a valid **Letter of Good Standing** from the Compensation Commissioner attached?	**Yes**		**No**	
Form of Indemnity - Is the form duly completed and signed?	**Yes**		**No**	
Pricing Schedule - Is the form duly completed and signed?	**Yes**		**No**	
Declaration by Tenderer - Is the form duly completed and signed?	**Yes**		**No**	

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3. VIRTUAL MEETING CERTIFICATE

Virtual meetings declaration:

I / We*, the undersigned, certify that I / we* have familiarized ourselves with the requirements of this tender as discussed at the virtual meeting for which I / we* am / are* submitting this Tender and have, as far as practicable, familiarized myself / ourselves* with all information, risks, contingencies and other circumstances which may influence or affect my / our* tender.

NAME & SURNAME			
CAPACITY			
NAME OF FIRM			
ADDRESS			
TELEPHONE NO			
E-MAIL		SIGNATURE	

NB: Please note that no latecomers will be allowed.

For all compulsory virtual teams meetings, bidders who fail to provide their contact details 48 hours prior to the virtual teams meeting, may be regarded as **non-compliant**

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4. AUTHORITY TO SIGN A BID

1. SOLE PROPRIETOR (SINGLE OWNER BUSINESS) AND NATURAL PERSON

1.1. I, _____, the undersigned, hereby confirm that I am the sole owner of the business trading as _____.

OR

1.2. I, _____, the undersigned, hereby confirm that I am submitting this tender in my capacity as natural person.

SIGNATURE:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

OR

2. COMPANIES AND/OR CLOSE CORPORATIONS

2.1. **If a Bidder is a COMPANY**, **a certified copy of the resolution by the board of directors**, duly signed, authorising the person who signs this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the company **must be submitted with this bid,** that is, before the closing time and date of the bid

2.2. In the case of a **CLOSE CORPORATION (CC**) submitting a bid**, a resolution by its members**, authorizing a member or other official of the corporation to sign the documents on their behalf, **shall be included with the bid.**

PARTICULARS OF RESOLUTION BY BOARD OF DIRECTORS OF THE COMPANY/MEMBERS OF THE CC

Date Resolution was taken	
Resolution signed by (name and surname)	
Capacity	
Name and surname of delegated Authorised Signatory	
Capacity	
Specimen Signature	

Full name and surname of ALL Director(s) / Member (s)			
1.		2.	
3.		4.	
5.		6.	
7.		8.	
9.		10.	

Is a COPY of the resolution attached?	**YES**		**NO**	

SIGNED ON BEHALF OF COMPANY / CC:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

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OR

3. PARTNERSHIP

We, the undersigned partners in the business trading as _____ hereby authorize Mr/Ms _____ to sign this bid as well as any contract resulting from the bid and any other documents and correspondence in connection with this bid and /or contract for and on behalf of the above-mentioned partnership.

The following particulars in respect of every partner must be furnished and signed by every partner:

Full name of partner		Signature

SIGNED ON BEHALF OF PARTNERSHIP:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

OR

4. CONSORTIUM

We, the undersigned consortium partners, hereby authorize_____ (Name of entity) to act as lead consortium partner and further authorize Mr./Ms. _____ To sign this offer as well as any contract resulting from this tender and any other documents and correspondence in connection with this tender and / or contract for and on behalf of the consortium.

The following particulars in respect of each consortium member must be provided and signed by each member:

Full Name of Consortium Member	Role of Consortium Member	% Participation	Signature

SIGNED ON BEHALF OF PARTNERSHIP:		DATE:	
PRINT NAME:			
WITNESS 1:		WITNESS 2:	

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5. 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. ___ _____ authorized signatory of the Company/Close Corporation/Partnership (name) _____ _____, 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.

(i) Name of firm (Lead partner)			
Address			
		Tel. No.	
Signature		Designation	

(ii) Name of firm			
Address			
		Tel. No.	
Signature		Designation	

(iii)Name of firm			
Address:			
		Tel. No.	
Signature		Designation	

(iv) Name of firm			
Address			
		Tel. No.	
Signature		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.

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6. GENERAL CONDITIONS OF CONTRACT – GOVERNMENT PROCUREMENT

1. DEFINITIONS

The following terms shall be interpreted as indicated:

1.1. “Closing time” means the date and hour specified in the bidding documents for the receipt of bids.

1.2. “Contract” means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

1.3. “Contract price” means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.

1.4. “Corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

1.5. "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally

1.6. “Country of origin” means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

1.7. “Day” means calendar day.

1.8. “Delivery” means delivery in compliance of the conditions of the contract or order.

1.9. “Delivery ex stock” means immediate delivery directly from stock actually on hand

1.10. “Delivery into consignees store or to his site” means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.

1.11. "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.

1.12. ”Force majeure” means an event beyond the control of the supplier and not involving the supplier’s fault or negligence and not foreseeable.

1.13. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

1.14. “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.

1.15. “GCC” means the General Conditions of Contract.

1.16. “Goods” means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.

1.17. “Imported content” means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.

1.18. “Local content” means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.

1.19. "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.

1.20. "Order" means an official written order issued for the supply of goods or works or the rendering of a service.

1.21. "Project site" where applicable, means the place indicated in bidding documents.

1.22. "Purchaser" means the organization purchasing the goods.

1.23. "Republic" means the Republic of South Africa.

1.24. "SCC" means the Special Conditions of Contract.

1.25. "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.

1.26. "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.

1.27. "Tort" means in breach of contract.

1.28. "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.

1.29. "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

2. Application

2.1. These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.

2.2. Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.

2.3. Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

3.1. Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.

3.2. Invitations to bid are usually published in locally distributed news media and on the municipality / municipal entity website.

4. Standards

4.1. The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information; inspection.

5.1. The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

5.2. The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.

5.3. Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4. The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

6.2. When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

7. Performance security

7.1. Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.

7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.

7.3. The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:

7.3.1. bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or

7.3.2. a cashier's or certified cheque

7.4. The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified.

8. Inspections, tests and analyses

8.1. All pre-bidding testing will be for the account of the bidder. If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspections tests and analysis, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organization acting on behalf of the purchaser.

8.2. If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.

8.3. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.

8.4. Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.

8.5. Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.

8.6. Any contract goods may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.

8.7. The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 22 of GCC.

9. Packing

9.1. The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, and in any subsequent instructions ordered by the purchaser.

10. Delivery

Delivery of the goods shall be made by the supplier in accordance with the documents and terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified.

11. Insurance

The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.

12. Transportation

Should a price other than an all-inclusive delivered price be required, this shall be specified.

13. Incidental

13.1. The supplier may be required to provide any or all of the following services, including additional services, if any:

13.1.1. performance or supervision of on-site assembly and/or commissioning of the supplied goods;

13.1.2. furnishing of tools required for assembly and/or maintenance of the supplied goods;

13.1.3. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;

13.1.4. performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and

13.1.5. training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2. Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

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14. Spare parts

14.1. As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

14.1.1. such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and;

14.1.2. in the event of termination of production of the spare parts:

14.1.2.1. advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and

14.1.2.2. following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2. This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4. Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5. If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

16.1. The method and conditions of payment to be made to the supplier under this contract shall be specified.

16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.

16.3. Payments shall be made by the purchaser **no later than thirty (30**) days after submission of an **invoice, statement** or claim by the supplier.

16.4. Payment will be made in Rand unless otherwise stipulated.

17. Prices

Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized or in the purchaser's request for bid validity extension, as the case may be.

18. Variation orders

In cases where the estimated value of the envisaged changes in purchase does not vary more tha15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price and such offers, may be accepted provided that there is no escalation in price.

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19. Assignment

The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract, if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

21.1. Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.

21.2. If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3. The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

21.4. Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22 without the application of penalties.

21.5. Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

23.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

23.1.1. if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;

23.1.2. if the Supplier fails to perform any other obligation(s) under the contract; or

23.1.3. if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

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23.3. Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4. If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.

23.5. Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchase actively associated.

23.6. If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

23.6.1. the name and address of the supplier and / or person restricted by the purchaser;

23.6.2. the date of commencement of the restriction

23.6.3. the period of restriction; and

23.6.4. the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7. If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped of subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

25. Force Majeure

25.1. Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2. If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

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26. Termination for insolvency

The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

27.1. If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

27.3. Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4. Notwithstanding any reference to mediation and/or court proceedings herein,

27.4.1. the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and

27.4.2. the purchaser shall pay the supplier any monies due for goods delivered and / or services rendered according to the prescripts of the contract.

28. Limitation of liability

28.1. Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;

28.1.1. the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and

28.1.2. the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment

29. Governing language

The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable law

The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

31. Notices

31.1. Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice

31.2. The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

32.1. A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.

32.2. A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

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32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.

32.4. No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

33. Transfer of contracts

The contractor shall not abandon, transfer, cede, assign or sublet a contract or part thereof without the written permission of the purchaser.

34. Amendment of contracts

No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.

35. Prohibition of restrictive practices.

35.1. In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.

35.2. If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 0f 1998.

35.3. If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

General Conditions of Contract (revised July 2010)

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7. GENERAL CONDITIONS OF TENDER

1. Sealed tenders, with the **"Tender Number and Title"** clearly endorsed on the envelope, must be deposited in the **tender box** at the offices of the Stellenbosch Municipality, Plein Street, Stellenbosch.

2. The tender must be lodged by the Tenderer in the tender box in the Main Hall Entrance, Stellenbosch Municipal Offices, Plein Street, Stellenbosch

PLEASE NOTE:

2.1. Tenders that are deposited in the incorrect box will not be considered.

2.2. Mailed, telegraphic or faxed tenders will not be accepted.

2.3. Documents may only be completed in non-erasable ink.

2.4. The use of correction fluid/tape is not allowed.

2.4.1. In the event of a mistake having been made, it shall be crossed out in ink and be accompanied by an initial at each and every alteration.

2.4.2. Alterations or deletions not signed by the Tenderer may render the tender invalid.

2.5. All bids must be submitted in writing on the official forms supplied (not to be re-typed)

2.6. All prices shall be quoted in South African currency and be **INCLUSIVE of VAT.**

3. Where the value of an intended contract (or company turnover) will exceed R1 000 000, 00 (R1 million) it is the bidder's responsibility to be registered with the South African Revenue Service (SARS) for VAT purposes in order to be able to issue tax invoices. The municipality will deem the price above R 1 000 000,00 (R1 million) to be VAT inclusive even if it is indicated that no VAT is charged. Please ensure that provision is made for VAT in these instances. The TOTAL price tendered will remain fixed.

3.1 It is a requirement of this contract that the amount of value-added tax (VAT) must be shown clearly on each invoice.

3.2 The amended Value-Added Tax Act requires that a Tax Invoice for supplies in excess of R3 000 should, in addition to the other required information, also disclose the VAT registration number of the recipient, with effect from 1 March 2005. The VAT registration number of the Stellenbosch Municipality is **4700102181.**

3 Any Tender received after the appointed time for the closing of Tenders shall not be considered but shall be filed unopened with the other Tenders received or may be returned to the Tenderer at his request.

4 Tenders may not be telefaxed to the Municipality and therefore any tenders received by fax will **not** be considered.

5 Tenders shall be opened in public at the Stellenbosch Municipal Offices as soon as possible after the closing time for the receipt of tenders.

6 The Municipality shall have the right to summarily disqualify any Tenderer who, either at the date of submission of this tender or at the date of its award, is indebted to the Municipality in respect of any rental, levies, rates and/or service charges; ALTERNATIVELY;

6.1 That an agreement be signed whereby the Tenderer agrees that a percentage or fixed amount at the discretion of the Municipality, be deducted from payments due to him for this tender, until the debt is paid in full.

6.2 The tenderer shall declare **all** the Municipal account numbers in the Stellenbosch Area for which the enterprise or the proprietors or directors in their personal capacity is/ are responsible or co-responsible.

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7. Negotiations for a fair market related price

7.1 The award of the tender may be subject to price negotiation with the preferred tenderers.

8 This bid will be evaluated and adjudicated according to the following criteria:

8.1 Relevant specifications
8.2 Value for money
8.3 Capability to execute the contract
8.4 PPPFA & associated regulations

9 Service Level Agreement

The award of the tender is subject to the signing of a Service Level Agreement (SLA) between the successful bidder and Stellenbosch Municipality.

10 Centralised Supplier Database

No Bids will be awarded to a bidder who is not registered on the Centralised Supplier Database (CSD).

The CSD supplier number starting with (MAAA) number is automatically generated by the Central Database System after successful registration and validation of a prospective service provider. This number is now a mandatory requirement, as referred to in regulation 14(1) *(b)* of the Municipal Supply Chain Management Regulations, as part of the listing criteria for accrediting a prospective service provider. Prospective suppliers should self – register on the CSD website at www.csd.gov.za Registration on the CSD will be compulsory in order to conduct business with the STELLENBOSCH MUNICIPALITY. Assistance with CSD Registration can be provided by contacting 021 808 8594 or Nicolene.Hamilton@stellenbosch.gov.za

Centralised Supplier Database No. MAAA……

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8. MBD 4 – DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state[1].
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 bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.
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 bidder or his or her representative**	
3.2.	**Identity Number**	
3.3.	**Position occupied in the Company (director, shareholder [2] etc.)**	
3.4.	**Company Registration Number**	
3.5.	**Tax Reference Number**	
3.6.	**VAT Registration Number**	

3.7.	**Are you presently in the service of the state?**	**YES**		**NO**	
3.7.1.	If so, furnish particulars:				
3.8.	**Have you been in the service of the state for the past twelve months?**	**YES**		**NO**	
3.8.1.	If so, furnish particulars:				

[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.*

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3.9.	**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**	
3.9.1.	If so, furnish particulars:				
3.10.	**Are you aware of any relationship (family, friend, other) between a bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid?**	**YES**		**NO**	
3.10.1.	If so, furnish particulars:				
3.11.	**Are any of the company's directors, managers, principal shareholders or stakeholders in the service of the state?**	**YES**		**NO**	
3.11.1.	If so, furnish particulars:				
3.12.	**Is any spouse, child or parent of the company's directors, managers, principal shareholders or stakeholders in the service of the state?**	**YES**		**NO**	
3.12.1.	If so, furnish particulars:				
3.13.	**Do you or any of the directors, trustees, managers, principal 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**	
3.13.1.	If so, furnish particulars:				

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3.14.	Please provide the following information on ALL directors/shareholders/trustees/members below:		
Full Name and Surname	**Identity Number**	**Personal Income Tax Number**	**Provide State[3] Employee Number**

NB:

a) **PLEASE ATTACH CERTIFIED COPY(IES) OF ID DOCUMENT(S)**
b) **PLEASE PROVIDE PERSONAL INCOME TAX NUMBERS FOR ALL DIRECTORS / SHAREHOLDERS / TRUSTEES / MEMBERS, ETC.**

4. DECLARATION

I, the undersigned (name) _____,
certify that the information furnished in paragraph 3 above is correct.

I accept that the state may act against me should this declaration prove to be false.

SIGNATURE		DATE	
NAME OF SIGNATORY			
POSITION			
NAME OF COMPANY			

[3] *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.*

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9. MBD6.1 – PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2023 – PURCHASES/SERVICES 80/20

NB:
Before completing this form, bidders must study the general conditions, definitions and directives applicable in respect of B-BBEE, as prescribed in the Preferential Procurement Regulations, 16 January 2023 and the Stellenbosch Preferential Procurement Policy 2026/2027

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution and any other applicable preference

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2

a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 (delete whichever is not applicable for this tender) preference point system shall be applicable; or

1.3 Points for this bid shall be awarded for:

(a) Price;

(b) B-BBEE Status Level of Contributor. and

(c) Locality of supplier

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	10
LOCALITY (See definitions)	10
Total points for Price, BBBEE and Locality (must not exceed 100)	**100**

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 Failure on the part of a bidder to submit proof of Locality together with the bid, will be interpreted to mean that preference points for Locality are not claimed.

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1.7 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

(a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

(b) "**B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

(c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;

(d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

(e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;

(f) **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.

(g) "**Locality**" means the local suppliers and/or service providers that business offices are within the Municipal area of Stellenbosch (WC024).

(h) **"price"** includes all applicable taxes less all unconditional discounts;

(i) **"proof of B-BBEE status level of contributor"** means:

1) B-BBEE Status level certificate issued by an authorized body or person;

2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;

3) Any other requirement prescribed in terms of the B-BBEE Act;

(j) **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;

(k) "**Specific goals**" means specific goals as contemplated in section 2(1)(d) of the Act which may include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction and Development Programme as published in Government Gazette No. 16085 dated 23 November 1994;

(l) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

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3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

4. POINTS AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20 or90/10

$$Ps = 80\left(1 - \frac{Pt - P\,min}{P\,min}\right) \text{ or } \qquad Ps = 90\left(1 - \frac{Pt - P\,min}{P\,min}\right)$$

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

Pmin = Price of lowest acceptable bid

4.2 FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME-GENERATING PROCUREMENT

4.3 POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20 or90/10

$$Ps = 80\left(1 + \frac{Pt - P\,max}{P\,max}\right) \text{ or } \qquad Ps = 90\left(1 + \frac{Pt - P\,max}{Pmax}\right)$$

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

Pmax = Price of highest acceptable bid

5. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

5.1 In terms of Regulation 4 (2) and 5 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining a specific goal specified for the tender

5.2 The tendering conditions will stipulate the specific goals, as contemplated in section 2(1)(d)(ii) of the Preferential Procurement Act, be attained.

5.3 A maximum of 20 points (80/20 preference points system) or 10 (90/10) preference points system), must be allocated for specific goals. These goals are :

(a) contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender or disability;

(b) Promotion of enterprises located in the municipal area (WCO24)

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5.4 Regarding par 5.3 (a) at least 50% of the 20/10 points must be allocated to promote this goal and points will be allocated in terms of the BBBEE scorecard as follows.

B-BBEE Status Level of Contributor	Number of Points for 80/20 Preference Points System	Number of Points for 90/10 Preference Points System
1	20	10
2	18	9
3	16	8
4	12	5
5	8	4
6	6	3
7	4	2
8	2	1
Non-compliant contributor	0	0

5.5 A tenderer must submit proof of its BBBEE status level contributor.

5.6 A tenderer failing to submit proof of BBBEE status level of contributor –

5.6.1 may only score in terms of the 80/90-point formula for price; and

5.6.2 scores 0 points out of 10/5 BBBEE status level of contributor, which is in line with section 2 (1) (d) (i) of the Act, where the supplier or service provider did not provide proof thereof.

5.7 Regarding par 5.3 (b) a maximum of 50% of the 20/10 points must be allocated to promote this goal. Maximum points will be allocated as follows.

Locality of supplier	Number of Points for 80/20 Preference Points System	Number of Points for 90/10 Preference Points System
Within the boundaries of the municipality	10	0
Outside of the boundaries of the municipality	0	0

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6. BID DECLARATION

6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution and Locality must complete the following:

7. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

7.1 B-BBEE Status Level of Contributor: . = ……(maximum of 10 points)

(Points claimed in respect of paragraph 7.1 must be substantiated by relevant proof of B-BBEE status level of contributor.)

7.2 Within the boundaries of Stellenbosch Municipality (WC024)?

YES		NO	

Business Address - ……

……

……

(Points claimed in respect of paragraph 7.2 must be substantiated by relevant proof that the business premises is situated in the Municipal area of Stellenbosch (WC024). A valid municipal account or proof of valid lease agreement, or sworn affidavit must be attached)

8. SUB-CONTRACTING

8.1 Will any portion of the contract be sub-contracted?

(***Tick applicable box***)

YES		NO	

8.1.1 If yes, indicate:

i) What percentage of the contract will be subcontracted.....……%
ii) The name of the sub-contractor……..
iii) The B-BBEE status level of the sub-contractor.....……..
iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES		NO	

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise

Designated Group: An EME or QSE which is at last 51% owned by:	**EME** √	**QSE** √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		

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Black people who are military veterans		
OR		
Any EME		
Any QSE		

9. **DECLARATION WITH REGARD TO COMPANY/FIRM**

9.1 Name of company/firm:…….

9.2 VAT registration number:……..……..……

9.3 Company registration number:…….…….……

9.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

……
……
……

9.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[*TICK APPLICABLE BOX*]

9.7 **MUNICIPAL INFORMATION**

Municipality where business is situated: ……..

Registered Account Number: …….

Stand Number:…….

9.8 Total number of years the company/firm has been in business:……

9.9 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

i) The information furnished is true and correct;

ii) The preference points claimed are in accordance with the General Conditions as



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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 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;

iv) If the B-BBEE status level of contributor/Locality points has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

(a) disqualify the person from the bidding 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 bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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.

SIGNATURE OF BIDDER(S):			
WITNESS 1:		WITNESS 2:	
DATE:			
ADDRESS:			

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PLEASE COMPLETE IN FULL YOUR OWN AFFIDAVIT TO CLAIM POINTS

SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE – GENERAL (DRAFT EXAMPLE)
(DO NOT USE. USE NEW/APPLICABLE TEMPLATE)

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a Member / Director / Owner (**Select one**) of the following enterprise and am duly authorised to act on its behalf: NB!

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Vat Number (If applicable)	
Enterprise Physical Address:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Business:	
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation- i. before 27 April 1994; or ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"

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Definition of "Black Designated Groups"	"Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"

3. I hereby declare under Oath that:

- The Enterprise is_____% Black Owned using the flow-through principle as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is_____% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise is_____% Black Designated Group Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
    - Black Youth % =_____%
    - Black Disabled % =_____%
    - Black Unemployed % =_____%
    - Black People living in Rural areas % =_____%
    - Black Military Veterans % =_____%

- Based on the Audited Financial Statements/Financial Statements and other information available on the latest financial year-end of_____(DD/MM/YYYY), the a NB! Revenue was R10,000,000.00 (Ten Million Rands) or less
- Please Confirm on the below table the B-BBEE Level Contributor, **by ticking the applicable box.**

100% Black Owned	**Level One** (135% B-BBEE procurement recognition level)	
At least 51% Black Owned	**Level Two** (125% B-BBEE procurement recognition level)	
Less than 51% Black Owned	**Level Four** (100% B-BBEE procurement recognition level)	

4. I know and understand the contents of this affidavit and I have no objection to take the

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prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature:_____

Date :_____

NB! ORIGINALLY CERTIFIED/ NOT COPY

_____

Commissioner of Oaths
Signature & stamp
Date:

EXAMPLE OF POINT SCORING AND ALLOCATION OF PREFERENCE POINTS (80/20) WHERE LOCALITY AS A GOAL IS INCLUDED. STELLENBOSCH PREFERENTIAL PROCUREMENT POLICY.

BIDDER	PRICE	BBBEE LEVEL (VALID)	BUSINESS PREMISES (IN WC024)
TENDERER A	R 80 000	1	NO
TENDERER B	R 75 000	1	YES
TENDERER C	R 70 000	2	NO

BIDDER	PRICE POINTS (Out of 80)	BBBEE POINTS (Out of 10)	LOCALITY POINTS (Out of 10)	TOTAL POINTS (Out of 100)
TENDERER A	68.57	10	0	78.57
TENDERER B	74.29	10	10	94.29
TENDERER C	80	9	0	89

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10. MBD 8 – DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

1. This Municipal Bidding Document must form part of all bids invited.
2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
3. The bid of any bidder may be rejected if that bidder, or any of its directors have:
   3.1. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
   3.2. been convicted for fraud or corruption during the past five years;
   3.3. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
   3.4. 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).
4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

4.1	Is the bidder or any of its directors listed on the National Treasury's database 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 National Treasury after the audi alteram partem rule was applied).*	**Yes**	**No**
4.1.1	If so, furnish particulars:		
4.2	Is the bidder 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 (No 12 of 2004)? *(To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).*	**Yes**	**No**
4.2.1	If so, furnish particulars:		
4.3	Was the bidder 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**

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4.3.1	If so, furnish particulars:		
4.4	Does the bidder 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**
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder 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**
4.5.1	If so, furnish particulars:		

5. CERTIFICATION

I, the undersigned (full name), _____ , certify that the information furnished on this declaration form true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

SIGNATURE:		NAME (PRINT):	
CAPACITY:		DATE:	
NAME OF FIRM:			

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11. MBD 9 – CERTIFICATE OF INDEPENDENT BID DETERMINATION

1. This Municipal Bidding Document (MBD) must form part of all bids invited.

2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).[4] Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.

3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:

   3.1. take all reasonable steps to prevent such abuse;

   3.2. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and

   3.3. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.

4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.

5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

CERTIFICATE OF INDEPENDENT BID DETERMINATION:

In response to the invitation for the bid made by:

STELLENBOSCH MUNICIPALITY

I, the undersigned, in submitting the accompanying bid, hereby make the following statements that I certify to be true and complete in every respect:

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:

[4] Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

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5.1. has been requested to submit a bid in response to this bid invitation;

5.2. could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and

5.3. provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium[5] will not be construed as collusive bidding.

7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
   7.1. prices;
   7.2. geographical area where product or service will be rendered (market allocation)
   7.3. methods, factors or formulas used to calculate prices;
   7.4. the intention or decision to submit or not to submit, a bid;
   7.5. the submission of a bid which does not meet the specifications and conditions of the bid; or
   7.6. bidding with the intention not to win the bid.

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 bid invitation relates.

9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid 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 bids and contracts, bids 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.

SIGNATURE:		NAME (PRINT):	
CAPACITY:		DATE:	
NAME OF FIRM:			

[5] *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.*

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12. MBD 10 – CERTIFICATE FOR PAYMENT OF MUNICIPAL SERVICES

DECLARATION IN TERMS OF CLAUSE 112(1) OF THE MUNICIPAL FINANCE MANAGEMENT ACT (NO.56 OF 2003)

I, _____, _____ (full name and ID no.), hereby acknowledge that according to SCM Regulation 38(1)(d)(i), the Municipality 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 Stellenbosch Municipality, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months.

I declare that I am duly authorised to act on behalf of _____ (name of the firm) and hereby declare, that to the best of my personal knowledge, neither the firm nor any director/member/partner of said firm is in arrears on any of its municipal accounts with any municipality in the Republic of South Africa, for a period longer than 3 (three) months.

I further hereby certify that the information set out in this schedule and/or attachment(s) hereto is true and correct. The Tenderer 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.

PHYSICAL BUSINESS ADDRESS(ES) OF THE TENDERER	MUNICIPAL ACCOUNT NUMBER

FURTHER DETAILS OF THE BIDDER'S Director / Shareholder / Partners, etc.:

Director / Shareholder / partner	Physical address of the Business	Municipal Account number(s)	Physical residential address of the Director / shareholder / partner	Municipal Account number(s)

NB: Please attach certified copy (ies) of ID document(s) and Municipal Accounts If the entity or any of its Directors/Shareholders/Partners, etc. rents/leases premises, a copy of the rental/lease agreement or sworn affidavit must be submitted with this tender.

- **PLEASE SUBMIT MUNICIPAL ACCOUNTS FOR THE FOLLOWING TWO MONTHS AFTER BID CLOSURE TO THE RELEVANT SCM PRACTITIONER SHOULD THE BID NOT BE AWARDED YET.**

Signature	**Position**	**Date**

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13. COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT, 1993 (ACT 130 OF 1993)

COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT, 1993 (ACT 130 OF 1993)	
Stellenbosch Municipality has legal duty in terms of Section 89 of the said Act to ensure that all contractors with whom agreements are entered into for the execution of work are registered as employers in accordance with the provisions of this Act and that all the necessary assessments have been paid by the contractor. In order to enter into this agreement, the following information is needed regarding the above-mentioned:	
Contractor's registration number with the office of the Compensation Commissioner:	
NOTE: **A copy of the latest receipt together with a copy of the relevant assessment OR a copy of a valid Letter of Good Standing must be handed in, in this regard.**	

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14. FORM OF INDEMNITY

INDEMNITY

Given by (Name of Company) _____

of (registered address of Company) _____

a company incorporated with limited liability according to the Company Laws of the Republic of South Africa (hereinafter called the Contractor), represented herein by (Name of Representative) _____

_____in his capacity as (Designation) _____

of the Contractor, is duly authorised hereto by a resolution dated _____ /20___,

to sign on behalf of the Contractor.

WHEREAS the Contractor has entered into a Contract dated _____ / 20_____,
with the Municipality who require this indemnity from the Contractor.

NOW THEREFORE THIS DEED WITNESSES that the Contractor does hereby indemnify and hold harmless the Municipality in respect of all loss or damage that may be incurred or sustained by the Municipality by reason of or in any way arising out of or caused by operations that may be carried out by the Contractor in connection with the aforementioned contract; and also in respect of all claims that may be made against the Municipality in consequence of such operations, by reason of or in any way arising out of any accidents or damage to life or property or any other cause whatsoever; and also in respect of all legal or other expenses that may be incurred by the Municipality in examining, resisting or settling any such claims; for the due performance of which the Contractor binds itself according to law.

SIGNATURE OF CONTRACTOR:	
DATE:	
SIGNATURE OF WITNESS 1:	
DATE:	
SIGNATURE OF WITNESS 2:	
DATE:	

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PART B – SPECIFICATIONS AND PRICING SCHEDULE

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15. SPECIFICATIONS

WEB BASED POWER QUALITY MONITORING / MANAGEMENT SYSTEM IN STELLENBOSCH MUNICIPALITY AREA (WC024) FOR THE PERIOD ENDING 30 JUNE 2032

1 Introduction

This tender provides for the appointment of a suitable service provider for the hosting of an integrated web-based power quality monitoring and management system on the electrical network of the Stellenbosch Municipality.
It will be expected from the successful tenderer in terms of this tender to provide a system which will interface with the existing power quality equipment currently installed on the network. It is foreseen that the existing equipment will be evaluated and upgraded to conform to the latest technology available in the market to meet the requirements of NRS 048 (Power Quality monitoring). Part of the evaluation would be to replace / upgrade some equipment.

2 Background

The Stellenbosch Municipality is required to adhere to legislation and standards in terms of the quality of power supply to its customers. A power quality system was installed on the network at key substations to monitor the above. This is to ensure that the network complies with the relevant regulations and standards and to accommodate the growing demand of electricity and to improve network stability and quality of the electrical service. This tender is part of the on-going monitoring and management system implemented. It is also envisaged that the system be improved and extended to gain better monitoring and management possibilities as part of the Department's on-going preventative maintenance and refurbishment programmes. The purpose is to try and prevent unnecessary power interruptions and to be able to plan for timeous repairs and replacement as and when necessary.

3 Scope

This tender is part of the on-going monitoring and management system It is also envisaged that the system be improved and extended to gain better monitoring and management possibilities as part of the Departments on-going preventative maintenance and refurbishment programs.

As a result, Stellenbosch Municipality requires that this system is capable for the automated collection, hosting and visualisation of high-quality coherent Power Quality and network performance data. The technology currently installed and operated in the electrical network is locally developed and supported by CT LAB.

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The data to be collected would be consumed by mainly four departments:

- Network operation
- Planning
- Revenue management & protection
- Asset management & maintenance

Measurement devices must support the following main functionalities:

- Power Quality according to IEC61000-4-30 Ed3.0 Class-A requirements
- Billing class 0.2S accuracy according to IEC62052-22 requirements
- Encrypted IP based communication for cyber security
- Built-in cellular modem to support connectivity outside the existing wireless network range.

The municipality will provide private APN SIM cards.

- Built-in GPS to measure absolute time.
- Built-in battery to support operations and communications during short outages or interruptions.

Measurement devices are envisaged at the following locations:

- Within primary and secondary substations on incoming and/or outgoing feeders
- Within suitable mini substations
- Within bulk supply points substations as and when required.
- SSEG Plants

Graphical software tools are required to assist technicians during installation.
The configuration software must support the use of pre-defined configuration templates to simplify the configuration process for instrument installers.

4 Special conditions of tender

The Municipality will not be bound to consider alternative offers.

4.1 All relevant specifications of equipment offered and supporting documentation of the tender must be attached at the back of this document.

4.2 This tender document must not be dismembered (Do not take it apart or put documents between its pages). The tender document and all relevant specifications and attachments thereto must be binded together in a suitable binder.

4.3 A copy of the completed returnable documents in PDF electronic file format included

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on USB only with tender is requested but not compulsory.

4.4 Stellenbosch Municipality does not bind itself to accept the lowest or any tender.

4.5 Stellenbosch Municipality reserves the right to adjust the quantities and scope of this tender should it be necessary due to budget considerations and other related reasons.

4.6 All data retrieved from the devices, stored and hosted by the service provider is the property of Stellenbosch Municipality and must be made available on request.

Hours of Service

4.7 The Tenderer shall ensure that the key personnel declared in this tender are available five days a week, Monday to Friday, excluding public holidays that fall on these days. Normal working hours shall be 8:00 to 16:30 Monday to Friday.

4.8 The Tenderer may be required to perform work on weekends or public holiday. If work is required on a weekend and/or Public Holiday, the prescribed rates will apply. I such instances, the Tenderer will be informed in writing by a duly authorized municipal representative.

Project insurance

4.9 The insured amount shall be 100 % of the final contract price, including replacement values of the equipment.

4.10 A third-party insurance provided by the Tenderer must remain in full force for the duration of this project.

5 Pre-Qualification

5.1 Manufacturers and or supplier must submit proof of original equipment manufacturer (OEM) or appointed agent for the items offered in this tender.

5.2 Key personnel

Please note that tenders will not be considered if the required proof of qualifications and relevant experience of personnel are not included in the tender offer. It is a requirement of this tender that the Tenderer must have the following key personnel in permanent employment.

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Project Manager

The appointed Project Manager must have NQF Level 7 qualification or higher and a minimum of 3 years' experience in the installation, commissioning and configuring of power quality monitoring and management systems.

Technicians

A minimum of two Technicians must be employed on full-time basis who will be involved in the work specified in this tender must have NQF level 6 qualification or higher in electrical engineering and a minimum of 2 years' experience in the installation, commissioning and configuring of power quality monitoring and management systems.

Software administrator

At least one Software administrator must be employed on full-time basis who will be involved in the work specified in this tender must have NQF level 6 qualification in engineering and a minimum of 2 years' experience in the installation, commissioning and configuring of the software system for the power quality monitoring and management systems.

5.3 Similar projects successfully completed

Requirement for Submission of References with Tender Submission

Purpose:
The submission of references is a critical part of the tender process to demonstrate the bidder's experience, reliability, and ability to meet the requirements of the project. Bidders must provide a minimum of 3 (Three) references to support their tender submission.

References for projects must be based on completed projects within the last 5 years.

Reference Content:
Each reference must include the following details:

Client Name: The name of the organization or individual for whom the work was completed.
Project Title/Description: A brief description of the project, including the scope of work and key deliverables.
Project Value: The total value of the project or contract.
Completion Date: The start and completion dates of the project.

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Eligibility of References:

References must be completed on the schedule provided in the tender document (Completed Contracts)
References must be submitted with the tender proposal by the tender submission deadline.
Bidders may be required to provide additional details or clarification about the references upon request.

6 Tender Evaluation

6.1 All tenders received will be evaluated in terms of the Specification and the requirements of this tender document as well as the Supply Chain Management Regulations, and the Stellenbosch Municipality Supply Chain Management Policy.

6.2 All items will be evaluated in total, and the tender awarded to one Tenderer.

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7 Technical Specification

7.1 Measurement Device Installation

Measurement devices need to be permanently installed on a DIN rail within substations, at bulk
supply points or within mini substations. All devices must have built-in modems. Where possible devices must be connected to the existing IP based telemetry network. Private APN SIM cards will be provided to all devices that cannot be connected to the existing IP based telemetry network.

7.1.1 Substations

VT (110V - 400V) and CT (1A/5A) outputs must be used when measuring voltage and current. Devices must preferably be powered from substation batteries. Alternatively, from the auxiliary supply.The contractor must supply the following accessories in addition to the measurement device:

- DIN rail fuses or circuit breakers to isolate the voltage inputs and external power source.
- DIN rail shorting terminals to short out CT circuits
- Outdoor active GPS antenna with ±15m extension cable and wall-mounting brackets
- Indoor magnetic base cellular antenna with ±5m cable

7.1.2 Mini-Substations

The output voltage of the transformer (±400VL-L) must be directly connected onto the voltage measurement input on the device. CT (1A/5A) outputs must be used when measuring current. Devices must be powered directly from the low voltage output of the transformer.

The contractor must supply the following accessories in addition to the measurement device:

- DIN rail fuses or circuit breakers to isolate the voltage inputs and external power source.
- DIN rail shorting terminals to short out CT circuits
- Outdoor active GPS dome antenna with ±5m cable
- Outdoor dome cellular antenna with ±5m cable

Two holes must be drilled inside the roof of the mini-sub.
The two dome antennae will be mounted through the holes.
Antenna seals must seal the holes watertight.

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7.1.3 Bulk Supply points

VT (110V - 400V) and CT (1A/5A) outputs must be used when measuring voltage and current. Devices will preferably be powered from substation batteries. Alternatively, auxiliary supply will be arranged with the Department when required.

The contractor must supply the following accessories in addition to the measurement device:

- DIN rail fuses or circuit breakers to isolate the voltage inputs and external power source.
- DIN rail shorting terminals to short out CT circuits.
- Outdoor active GPS antenna with ±15m extension cable and wall-mounting brackets.
- Indoor magnetic base cellular antenna with ±5m cable.

8 Communication

All devices must be permanently connected to the central data store via the existing wireless or via the private APN cellular network. Data must be automatically retrieved and made accessible as and when it becomes available.
Communication must be IP based and must be encrypted.

The following communication options must be supported:

- Ethernet.
- Built-in cellular modem with an external antenna.
- Optional built-in Wi Fi with an external antenna.

The optional Wi Fi port may be used in future to reduce cellular communication costs.

The primary communication interface shall be Ethernet.
The Ethernet port shall support fixed IP addressing and DHCP server addressing.

The secondary communication interface shall be via a built-in cellular modem. The cellular modem
must support at least 3G with Edge fall-back.

A built-in battery must support both the measurement device and the built-in modem for a minimum of 60 minutes in the absence of external power.

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Either the measurement device or the data hosting software must automatically retry to re-establish temporary lost connectivity. The system must raise an alarm if connectivity is not automatically restored within a user-defined time. This alarm must be distributed via either E-Mail or Push Notifications.

9 Data Acquisition Mechanism

All measurement devices must be permanently connected to a central big data store via secure IP links.

Measured data must automatically migrate from the measurement device to the data store when it becomes available.

On-device storage is required to support the system when communication links are down. Local storage must be adequate to store data for at least 4 months.

Upon restoration of the communication link, buffered data must automatically migrate from the device to the data store. The data store must then automatically update all affected network statistics.

10 Permanent Clock Synchronisation

Each measurement device must be permanently GPS clock synchronised to within ±100ns.

This high level of clock synchronisation will assist with:

- Detailed sequence of events analysis.
- Automated calculation of new network parameters from data collected at different locations.
- Calculation of flicker & harmonic emissions.
- Collection of high-quality network stability data.
- Calculations of technical losses.

11 Supports for Simultaneous & Overlapping Measurement Campaigns

The existing system supports the implementation of simultaneous & overlapping measurement campaigns to allow different departments the ability to each implement its own measurement campaign without affecting the other.

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Measurement devices must therefore support simultaneous recording of data recorded at different aggregation intervals.

- 10-min interval
- Variable clock synchronised intervals from 1m-2h
- 3-sec (15 x 10/12-cycle blocks) block synchronised interval
- Variable 10/12-cycle block synchronised interval

12 Measurement Device Functional Requirements:

12.1 Standards Compliance:

- IEC61000-4-30 Ed3.0 Class-A Power Quality Measurement
- IEC62586: 2017 Part1 – Power Quality Instruments (PQI-A-FI1-G)
- IEC62586: 2017 Part2 – Functional tests and uncertainty requirements (PQI-A-FI1-G)
- IEC60253-22: 2016 – Static meters for active energy (class 0,2S and 0.5S)
- Only Paragraph 8 – Accuracy Requirements
- Class 0.2S

12.2 Voltage Inputs:

4 x Differential voltage inputs are required.
The device must measure both AC and DC voltage parameters.
Measurement range: 0-600V L-N
Input impedance: > 3.0MOhm L, N-PE

The measurement device must interface to the following types of voltage circuits:

- 550 Vac – 4-wire systems (i.e., at wind turbines)
- 400 Vac – 3 & 4-wire systems (industry & commercial)
- 230 Vac – Single Phase systems (domestic & commercial)
- 110 Vac – 3 & 4-wire systems (transmission, distribution & RPP)

12.3 Current Inputs:

4 x Galvanically isolated current inputs are required.
The device must measure both AC and DC current & power parameters.
Measurement range: 0-6A
Max continuous current: 10A
3-sec Overcurrent withstand: 50A
VA Burden: < 0.1VA
Isolation: > 1kV

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The devices must interface to the following types of current circuits:

- 1A CT circuit (3 & 4-wire systems)
- 5A CT circuit (3 & 4-wire systems)

The device must support the ability to derive the following current parameters:

- 3rd Current from any 2-x available CTs in a 3-wire network
- 4th Current from the 3-x available CTs in a 4-wire network.

12.4 Voltage output current transducer inputs

Voltage output current transducers like Rogowski coils or passive micro-CT clamps are required when no CTs are installed in for instance mini substations or in industrial applications.

4 x Differential low voltage current transducer inputs are required.
The device must measure both AC and DC current & power parameters.
Measurement range: ±1VAC/DC
Input impedance: >100kΩ

The device must provide 5V@1VA isolated power to each of the transducer inputs to power active
current transducers like Rogowski coils.

12.5 Power Sources

The device must have a separate aux power supply input.
AC/DC supply voltage input range: 90-300V (DC, 45-65Hz)
The total power consumption of the device, GPS clock and communication equipment may not exceed 30VA.
The device must be optionally powered via Ethernet port: IEEE 802.3 compliant (35-60 VDC)

12.6 Battery Support

A built-in re-chargeable energy source (battery) is required to maintain full operation during dips and short outages.

The initial “ride through” support from the battery should be > 60 minutes.

Battery health data needs to be recorded daily. This data must include the following:

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- Battery min/max temperature
- Number of charge/discharge cycles
- Battery state of Health (SOH)

The support software must be able to visualise or report on the history of these parameters.

12.7 GPS Synchronised Clock

A built-in GPS is required to support permanent clock synchronisation to within ±100ns.
A built-in real-time clock must provide time in the absence of GPS signals.
The device must also support clock synchronisation to within ±1ms via NTP.

12.8 Communication

The following communication interfaces must be supported:

- Ethernet
- Built-In Cellular modem with an external antenna
- Optional Wi Fi with external antenna

The primary communication interface shall be Ethernet.
The Ethernet shall support fixed IP addressing and DHCP server addressing.

The secondary communication interface shall be via built-in cellular modem.
The cellular modem must support at least 3G with Edge fall-back.

The optional built-in Wi Fi port must support the following:

- Configured as an access point.
- Connect to existing Wi Fi infrastructure.

The support software must offer the ability to configure devices locally (direct Ethernet cable or Wi Fi connection) or remotely via IP network (Ethernet, Cellular or Wi Fi).

12.9 Mounting Options

The devices must be DIN rail and wall mountable.

12.10 Digital Event Inputs

Each device must have a minimum of 4 x galvanically isolated digital event inputs.
The maximum voltage applied onto digital event inputs must not exceed 300V.
The inputs must support both wetted and dry contacts.

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These inputs will be used to monitor breaker status and or correct tap changer operations. It may also be used to monitor any other status as required.

12.11 Digital Relay Outputs

Each device must have a minimum of 4 x solid-state relay outputs.
The outputs may be used to implement distribution automation.

The maximum voltage to be switched: 300V
The minimum current to be switched: 0-100mA.

12.12 SCADA Protocol

The following open protocols must be supported to allow for system integration:

- IEC 61850, Modbus over IP

12.13 Field upgradeability

The analyser firmware must be field upgradeable to support enhancements and bug fixes.
Upgrades must be automatically deployed from the central server.

12.14 Support for Open Interfaces

Each device must support the following open interfaces:

- Configuration via FTP placement of XML configuration file
- Data retrieval via FTP FILES

13 Trended Parameter Measurement Requirements:

13.1 General Data Acquisition Requirements

- At least 50kHz analogue bandwidth to support accurate measurement of voltage and current harmonics up to 64th order (62Hz x 64 = 3.968kHz – to obtain accurate phase and amplitude performance – analogue bandwidth needs to be ±10 x highest frequency)
- Sampling rate of at least 500 kHz to correctly exclude anti-aliasing effects on a 50 kHz signal.
- Analog anti-aliasing filter with passband at 50kHz and stop-band at 500kHz

13.2 Aggregation Intervals

The device must support the following aggregation intervals:

- Time based intervals:

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- Fixed 10-minute interval (required by IEC61000-4-30)
- User definable interval (1-minute to 30-minute)
- 10-sec Frequency measurement
- 10/12 Cycle block intervals:
- 15-Block interval (±3sec – required by IEC61000-4-30)
- User definable block interval

The device must be able to simultaneously record all supported aggregation intervals.

13.3 Frequency

- IEC61000-4-30 Ed3.0 Class-A compliant
- 10-sec Aggregation interval

13.4 Voltage Parameters

- Voltage Magnitude
- RMS
- As % of declared voltage.
- Phase to Neutral or Phase to Phase
- Neutral to Ground
- Voltage Unbalance
- Positive Sequence Component
- Negative Sequence Component
- Zero Sequence Component
- Negative Sequence component as % of Positive Sequence Component
- Over/Under Deviation
- Flicker
- PST
- PLT

13.5 Current Parameters

- Current Magnitude
- RMS
- As % of rated current
- Current Unbalance
- Positive Sequence Component
- Negative Sequence Component
- Zero Sequence Component
- Negative Sequence component as % of Positive Sequence Component
- K-Factor

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- Crest Factor

13.6 Power Parameters

- RMS Powers (Net)
- Active Power
- Reactive Power
- Apparent Power
- Power Factor
- Power Angle
- RMS Powers (Imported)
- Active Power
- Reactive Power
- Apparent Power
- Power Factor
- Power Angle
- RMS Powers (Exported)
- Active Power
- Reactive Power
- Apparent Power
- Power Factor
- Power Angle

13.7 Voltage & Current Harmonics/Inter harmonics & Harmonic Powers

- All harmonics to be recorded simultaneously.
- THD as %
- Magnitude (up to 50th)
- Magnitude as % of fundamental (up to 50th)
- Magnitude as % of declared voltage or as % of rated current (up to 50th)
- P, Q, S, Power Angle (up to 50th)
- PTotal, QTotal, STotal, Total Power Angle (up to 50th)
- Prevailing phasor amplitude (up to 50th)
- Prevailing phasor angle (up to 50th)

13.8 Higher Order Voltage & Current Harmonics & Harmonic Powers

- 2-9kHz with fixed 200Hz bands
- All harmonics to be recorded simultaneously.
- Magnitude
- Magnitude as % of declared voltage or as % of rated current.
- P, Q, S, Power Angle

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- PTotal, QTotal, STotal, Total Power Angle

13.9 Synchrophasors

- User definable sampling interval (1 per cycle up to 1 per minute)
- Voltage & Current Phasors
- Filtered & Unfiltered frequency.

14 Network Event Measurement Requirements

14.1 Voltage Dips/Swells and Outages

- Supports Single Phase & Multiphase configurations.
- Date & Timestamp, Depth & Duration as per IEC61000-4-30 requirements
- User defined hysteresis and hold-off thresholds
- Fixed and sliding reference thresholds.
- Waveform and ½ Cycle RMS Voltage & Current profiles with user defined pre- and post.
- Alarm when thresholds are exceeded and alarm when recovered.

Additional requirement:

- Update event counter. (Event counter to be accessible via SCADA protocols)
- Update event in progress flag. (Event flag to be accessible via SCADA protocols)

14.2 Current Threshold Exceedance (1/2 cycle interval)

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Waveform and ½ Cycle RMS Voltage & Current profiles with user defined pre- and post.
- Alarm when thresholds are exceeded and alarm when recovered.

Additional requirement:

- Update event counter. (Event counter to be accessible via SCADA protocols)
- Update event in progress flag. (Event flag to be accessible via SCADA protocols)

14.3 Significant (Rapid) Voltage and Current Changes (1/2 cycle interval)

- Date & Timestamp
- User defined hysteresis and hold-off thresholds

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- Waveform and ½ Cycle RMS Voltage & Current profiles with user defined pre- and post.
- Alarm when threshold is exceeded and alarm when recovered.

Additional requirement:

- Update event counter. (Event counter to be accessible via SCADA protocols)
- Update event in progress flag. (Event flag to be accessible via SCADA protocols)

14.4 Voltage THD Threshold Exceedance (10/12-Cycle block interval - ±200ms)

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Records 15 x block (±3sec) voltage and current RMS and harmonic data during the event
- Alarm when thresholds are exceeded and alarm when recovered.

Additional requirement:

- Update event counter. (Event counter to be accessible via SCADA protocols)
- Update event in progress flag. (Event flag to be accessible via SCADA protocols)

14.5 Voltage Unbalance Threshold Exceedance (10/12-Cycle block interval - ±200ms)

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Records 15 x block (±3sec) voltage and current RMS and harmonic data during the event
- Alarm when thresholds are exceeded and alarm when recovered.

Additional requirement:

- Update event counter. (Event counter to be accessible via SCADA protocols)
- Update event in progress flag. (Event flag to be accessible via SCADA protocols)

14.6 Mains Signalling Threshold Exceedance (10/12-Cycle block interval - ±200ms)

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Records 15 x block (±3sec) voltage and current RMS and harmonic data during the event.

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- Alarm when thresholds are exceeded and alarm when recovered.

Additional requirement
- Update event counter. (Event counter to be accessible via SCADA protocols)
- Update event in progress flag. (Event flag to be accessible via SCADA protocols)

14.7 Over/Under Frequency Event (10/12-Cycle block interval - ±200ms)

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Waveform and ½ Cycle RMS Voltage & Current profiles with user defined pre- and post.
- Records 15 x block (±3sec) voltage and current RMS data during the event
- Alarm when thresholds are exceeded and alarm when recovered.

Additional requirement:
- Update event counter. (Event counter to be accessible via SCADA protocols)
- Update event in progress flag. (Event flag to be accessible via SCADA protocols)

14.8 10-min Voltage Magnitude Threshold Exceedance

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Alarm when thresholds are exceeded and alarm when recovered.

14.9 10-min Voltage THD Threshold Exceedance

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Alarm when thresholds are exceeded and alarm when recovered.

14.10 10-min Voltage Unbalance Threshold Exceedance

- Date & Timestamp
- User defined hysteresis and hold-off thresholds
- Alarm when thresholds are exceeded and alarm when recovered.

14.11 Voltage Fast Transient

- Date & Timestamp
- Operates on signal where the fundamental is filtered out with 40th order filter.

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- Waveform and ½ Cycle RMS Voltage & Current profiles with user defined pre- and post.
- Alarm when thresholds are exceeded and alarm when recovered.

14.12 Digital I/O State Change

- Date & Timestamp
- Waveform and ½ Cycle RMS Voltage & Current profiles with user defined pre- and post.
- Alarm when thresholds are exceeded and alarm when recovered.

15 Support Service Requirements

15.1 Data Hosting & Visualisation System Configuration & Commissioning.

The Tenderer must configure and commission VECTO Grid OS data hosting and visualization system software.

System configuration and commissioning is a once-off transaction and must include the following as a minimum:

- Create, configure, and commission the new account entity and Internet presence.
- Create different user roles.
- Create default measurement campaign templates.
- Create new user accounts and assign user roles.
- Create new metering point accounts.

15.2 Product Training

The Tenderer must provide product training to the following different types of users:

- Measurement device installers
- System users
- System administrator/operator

The training shall be provided on premises within the municipal boundaries.

15.3 AD Hoc Installations & Commissioning

It is envisaged that all installations and commissioning will be done by the Tenderer on an ad hoc basis. The Tenderer must provide a fixed fee to do a turnkey installation and

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commissioning of measurement equipment and its accessories on behalf of the municipality.

Access and authorisation will be provided to the location of installation. Municipal personnel will do all necessary switching and will secure the point of installation. Municipal personnel will again energise all required circuits after installation. The Tenderer must complete the installation and Commissioning of the measurement device and its communication and measurement accessories and do functionality test after instruments are online.

The Tenderer must provide a detailed wiring diagram of the new installation.
The Tenderer must also provide an installation certificate to prove correct installation.

The certificate must contain the following as a minimum:

- Name of the metering point (substation, mini-sub, ring main unit, client, …)
- Address of location
- Name of feeder
- GPS Coordinates of installation
- Voltage Transformer (VT) Ratio
- Type of current sensor used.
- Current Transformer (CT) Ratio
- IP Address (If fixed addresses are to be used)
- Signal strength (if needed)
- Screenshot of voltage and current waveforms and RMS power readings
- Photo of the substation or miniature substation
- Photo of the feeder name or miniature substation name
- Photo of the device installation

15.4 Device Management Service & Extended Warrantee

To meet NRS048 requirements, data per individual metering point needs to be available for 95% of the year. This translates into a maximum allowed data loss per individual metering point of only 18 days per annum.

Device management services must be offered at a fixed monthly fee and must include the following:

- Turnkey device monitoring and restoration services.
- Extended warrantee on devices.

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The contractor must identify any suspect or faulty installations on behalf of the municipality. This includes monitoring of communication infrastructure, measurement devices and measurement accessories.

The contractor must monitor and manage the system in such a way that any potential data loss be identified and restored within seven (7) consecutive days.

An immediate replacement strategy will be followed to maximise data availability. Any suspect or faulty device will be immediately replaced with a fully functional and tested device. The suspect or faulty device will then be returned to the manufacturer for repair. To support this strategy, the municipality will acquire adequate float stock. This float stock will be under control of the contractor.

All logistics required getting suspect devices replaced, repaired, and returned in time would be the responsibility of the contractor.

The municipality will provide supervised access to measurement sites.

All measurement devices must be installed with the ability to easily disconnect it from the voltage measurement and power circuits and to short out and safely disconnect it from the CT circuits. All repair or replacements would therefore be done while the network is still fully in operation.
However, if the repair/restoration process requires switching to be done due to any safety or any other operational risk issues, then the municipality will secure the site and do all necessary switching to do the replacement and to restore power.

The municipality will be responsible for the restoration of any system failure due to network related faults or to the APN / cellular network. The contractor must notify the municipality of any failures within the next working day. The contractor must have the measurement point fully operational within seven (7) consecutive days after the restoration of the network fault or the APN / cellular network.

To support the high data availability requirement, the contractor must also offer an extended warrantee on device hardware for the duration of the contract. The extended warrantee must cover equipment failure due to component failure or poor workmanship when operated under normal operating conditions. The extended warrantee must cover all logistics required to get the faulty or suspect devices shipped to the manufacturer for repair and back.

The municipality will carry repair and logistic costs of devices that fail due to operation under abnormal circumstances.

The contractor must keep record of all incidents and report monthly to the municipality on overall metering device & data availability and on all incidents.

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15.5 Service Level Agreement:

The tender document will serve as the Service level Agreement between the Municipality and the successful Tenderer. The following are some of the requirements for this tender:

- System must be restored within seven (7) consecutive days.

15.6 Monthly Data Analysis & Reporting Service

For the duration of the contract the Tenderer must provide the municipality access to a suitably qualified and experienced Power Quality engineer.

This engineer must do the following:

- Analyse and report on all events and trends recorded over the past month.
- Chair a monthly one-day workshop with various internal departments and management to discuss the past month's performance and to identify focus areas for the next month.
- Chair and report on Power Quality to a quarterly workshop with the municipality, industry, and any other interested parties. At this workshop all involved parties will report and discuss Power Quality related issues and jointly prioritise a way forward.
- Prepare the annual Power Quality reporting to NERSA on behalf of the municipality.

15.7 Ad Hoc Expert Investigations

Detailed (expert) investigations may be required from time to time.
If the municipality requires this service, the applicable professional Engineer rates will apply.

The rates are as per the pricing schedule.

A typical investigation might include the following:

- Install one or two measurement devices onto the network.
- Contractor to supply the measurement devices and all accessories required.
- Collect data for 7 days.
- Remove the devices and its accessories.
- Compile a detailed report on the findings.

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16 Advanced Distribution Monitoring System Result Sheet

	Requirement	Comply (Yes/No)
Scope		
	Devices & support software must support integration with existing VECTO Grid OS hosting, visualisation, and alarming system.	
	Graphical software tools to assist metering technicians during installation.	
	Support software to support use of pre-defined configuration templates.	
Measurement Device Installation		
	DIN Rail mount	
	Supports cellular connectivity to private APN via built-in modem	
	Able to supports secure IP based connectivity to Telemetry network via Ethernet port	
	Powered from substation batteries, auxiliary supply, or output of 400V low voltage transformer	
	Accessories to be supplied for substation installations. • DIN Rail Fuses or circuit breakers to isolate voltage and external power source. • DIN Rail shorting terminals to short out CT Terminals • Outdoor active GPS antenna with ±15m extension cable and wall-mounting brackets. • Indoor magnetic base cellular antenna with ±5m cable	
	Accessories to be supplied for miniature substation installations. • DIN Rail Fuses or circuit breakers to isolate voltage and external power source. • DIN Rail shorting terminals to short out CT Terminals • Outdoor active GPS dome antenna with ±5m cable • Outdoor dome cellular antenna with ±5m cable	
	Accessories to be supplied for bulk supply point installations. • DIN Rail Fuses or circuit breakers to isolate voltage and external power source. • DIN Rail shorting terminals to short out CT Terminals • Outdoor active GPS antenna with ±15m extension cable and wall-mounting brackets. • Indoor magnetic base cellular antenna with ±5m cable	
	Accessories to be supplied for SSEG point installations. • DIN Rail Fuses or circuit breakers to isolate voltage and external power source. • DIN Rail shorting terminals to short out CT Terminals • Outdoor active GPS antenna with ±15m extension cable and wall-mounting brackets. Indoor magnetic base cellular antenna with ±5m cable	

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Communication		
	All devices permanently connected to central server	
	"Live System" Data must be automatically retrieved and made accessible as and when it becomes available.	
	IP Based communication with 128-bit encryption	
	Ethernet port supporting fixed IP or DHCP addressing	
	Built-in cellular modem with external antenna	
	Cellular modem support at least 3G with Edge fall-back.	
	Built-in battery to support both measurement device and cellular modem for up to 60-minutes in absence of external power.	
	Optional built-in WiFi with external antenna	
	Automatically retry to re-establish temporary lost connectivity	
	Raise alarm if connectivity is not restored within a user-defined time. This alarm must be distributed via either E-Mail or Push Notifications.	
Data Acquisition Mechanism		
	Automated data migration/retrieval	
	Local buffering able to store data for at least 4-months	
	Automated data migration/retrieval of buffered data upon restoration of faulty communication links.	

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Permanent Clock Synchronisation		
	Each measurement device requires permanent GPS clock synchronisation to within ±100ns	
Simultaneous & Overlapping Measurement Campaigns		
	Support simultaneous recording of data recorded at different aggregation intervals. • 10-min interval • Variable clock synchronised intervals from 1m-2h • 3-sec (15 x 10/12-cycle blocks) block synchronised interval • Variable 10/12-cycle block synchronised interval	

17 Measurement Device Functional Requirements

Requirement		**Comply (Yes/No)**
Standards Compliance		
	IEC61000-4-30 Ed3.0 Class-A Power Quality Measurement	
	IEC62586: 2017 Part1 – Power Quality Instruments (PQI-A-FI1-G)	
	IEC62586: 2017 Part2 – Functional tests and uncertainty requirements (PQI-A-FI1-G)	
	IEC60253-22: 2016 – Static meters for active energy (class 0,2S and 0.5S) • Only Paragraph 8 – Accuracy Requirements • Class 0.2S	
Voltage Inputs		
	4 x Differential voltage input channels	
	Measure AC and DC Voltage parameters	
	Voltage measurement range 0-600V	
	Input impedance > 3MΩ	
	Interface directly to following types of networks: • $400V_{AC}$ – 3 & 4-wire systems (industry & commercial) • $230V_{AC}$ – Single Phase systems (domestic & commercial) • $110V_{AC}$ – 3 & 4-wire systems (transmission, distribution & RPP)	
Current Inputs		
	4 x Galvanically isolated current input channels	
	Measure AC and DC Current parameters	
	Current measurement range 0-$6A_{RMS}$	
	Max continuous current: $10A_{RMS}$	
	3-se Overcurrent withstand: $50A_{RMS}$	
	VA Burden: <0.1VA	
	Isolation > 1kV	

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	Interface directly to following types of CT circuits: • 1A • 5A	
	The device must support the ability to derive the following current parameters: • 3rd Current from any 2-x available CTs in a 3-wire network • 4th Current from the 3-x available CTs in a 4-wire network.	
Voltage Output Current Transducer Inputs		
	4 x Differential voltage input channels	
	Measure AC and DC Current parameters	
	Input impedance >100kΩ	
	Voltage input measurement range ±1$V_{AC/DC}$	
	Interface directly to following types of CT circuits: • Active voltage output current transducers like Rogowski Coils (instrument to provide power to active transducer) • Passive 0-1V_{RMS} voltage output current transducers like 5A:1V micro clamp current transducers	
	Provide 5V@1VA isolated power to each of the transducer inputs to power active current transducers like Rogowski coils.	
Power Sources		
	Supply voltage: 90-300V_{AC} (DC, 45-65Hz)	
	Max Power Consumption: <30VA	
	Max current crest factor: <2	
	Low current THD: <20%	
	IEEE 802.3 compliant Power over Ethernet (35-60 VDC) (Optional)	
Requirement		
Battery Support		
	Built-in battery with initial “ride through” supports up to 60 minutes	
	Battery health data needs to be recorded daily. This data must include the following: • Battery min/max temperature • Number of charge/discharge cycles • Battery state of Health (SOH)	
	The support software must be able to visualise or report on the history of these parameters.	
GPS Synchronised Clock		
	Permanent GPS clock synchronisation to within ±100ns from absolute time	
	Built-in real-time clock to provide time in the absence of GPS signals.	
	Support clock synchronisation to within ±1ms via NTP.	

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Communication		
	All communication will be IP based and encrypted	
	The primary communication interface shall be Ethernet.	
	The Ethernet shall support fixed IP addressing and DHCP	
	The Secondary communication interface shall be Cellular.	
	The cellular modem must support at least 3G with Edge fall-back.	
	Optional built-in WiFi • Configured as an access point. • Connect to existing WiFi infrastructure	
	Support software to configure devices locally (direct Ethernet cable or WiFi connection) or remotely via IP network (Ethernet, Cellular or WiFi).	
Mounting Options		
	DIN Rail Mount	
	Wall/panel Mount	
Digital Event Inputs		
	Minimum of 4 x galvanically isolated digital event inputs	
	The maximum voltage: <300V	
	The inputs must support both wetted and dry contacts.	
Digital Relay Outputs		
	Minimum of 4 x solid-state relay outputs	
	The maximum voltage to be switched: 300V	
	The minimum current to be switched: 0-100mA	
SCADA Protocols		
	IEC 61850 / Modbus IP	
Field Upgradeability		
	Field Upgradeable	
	Automatically deployed by central server	
Support for Open Interfaces		
	Configuration via FTP placement of XML configuration file	
	Data retrieval via FTP files	

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18 Trended Parameter Requirements

Requirement		Comply (Yes/No)
General Data Acquisition Requirements		
	At least 50kHz analogue bandwidth	
	500kHz Sampling rate	
	Analog anti-aliasing filter with passband at 50kHz and stop-band at 500kHz	
	Measures both AC and DC parameters on all analogue inputs	
Aggregation Intervals		
	Time based intervals: • Fixed 10-minute interval (required by IEC61000-4-30) • User definable interval (1-minute to 30-minute) • 10-sec Frequency measurement	
	10/12 Cycle block intervals: • 15-Block interval (±3sec – required by IEC61000-4-30) • User definable block interval	
Frequency		
	10-sec Aggregation Interval	
Voltage Parameters		
	Voltage Magnitude • RMS • As % of declared voltage. • Phase to Neutral or Phase to Phase • Neutral to Ground	
	Voltage Unbalance • Positive Sequence Component • Negative Sequence Component • Zero Sequence Component • Negative Sequence comp as % of Positive Sequence comp	
	Over/Under Deviation	
	Flicker • P_{st} • P_{lt}	
Current Parameters		
	Current Magnitude • RMS • As % of rated current	

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	Current Unbalance • Positive Sequence Component • Negative Sequence Component • Zero Sequence Component • Negative Sequence comp as % of Positive Sequence comp	
	K-Factor	
	Crest Factor	

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Requirement		Comply (Yes/No)
Power Parameters		
	RMS Powers • Active Power • Reactive Power • Apparent Power • Power Factor • Power Angle	
	RMS Power (Imported Only) • Active Power • Reactive Power • Apparent Power • Power Factor • Power Angle	
	RMS Power (Exported Only) • Active Power • Reactive Power • Apparent Power • Power Factor • Power Angle	
Voltage & Current Harmonics/Inter harmonics & Harmonic Powers		
	All harmonics to be recorded simultaneously	
	THD as %	
	Magnitude (up to 50th)	
	Magnitude as % of fundamental (up to 50th)	
	Magnitude as % of declared or as % of rated current (up to 50th)	
	P, Q, S, Power Angle (up to 50th)	
	P_{Total}, Q_{Total}, S_{Total}, Total Power Angle (up to 50th)	
	Prevailing phasor amplitude (up to 50th)	
	Prevailing phasor angle (up to 50th)	
Higher Order Voltage & Current Harmonics & Harmonic Powers		
	2-9kHz with fixed 200Hz bands	
	All harmonics to be recorded simultaneously	
	Magnitude	
	Magnitude as % of declared or as % of rated current	
	P, Q, S, Power Angle	
	P_{Total}, Q_{Total}, S_{Total}, Total Power Angle	

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Synchro phasors		
	User defined recording interval (1 per cycle up to 1 per minute)	
	Voltage & Current Phasors	
	Filtered & Unfiltered frequency	

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19 Network Event Requirements

Requirement		Comply (Yes/No)
Voltage Dips/Swells/Outages		
	Measures both single-phase and three-phase Dip/Swells	
	Date & Timestamp, Depth & Duration	
	User defined hysteresis and hold-off thresholds	
	Fixed and Sliding Reference Thresholds	
	Waveform and ½ Cycle RMS Voltage & Current with pre- and post	
	Alarm when thresholds are exceeded and alarm when recovered	
	Update event counter (Event counter accessible via SCADA protocols)	
	Update event in progress flag (Event flag accessible via SCADA protocols)	
Current Threshold Exceedance (1/2 cycle interval)		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Waveform and ½ Cycle RMS Voltage & Current with pre- and post	
	Alarm when thresholds are exceeded and alarm when recovered	
	Update event counter (Event counter accessible via SCADA protocols)	
	Update event in progress flag (Event flag accessible via SCADA protocols)	
Significant/Rapid Voltage & Current Changes (1/2 cycle interval)		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Waveform and ½ Cycle RMS Voltage & Current with pre- and post	
	Alarm when thresholds are exceeded and alarm when recovered	
	Update event counter (Event counter accessible via SCADA protocols)	
	Update event in progress flag (Event flag accessible via SCADA protocols)	
Voltage THD Threshold Exceedance (10/12-Cycle block interval - ±200ms)		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Records 15 x block (±3sec) voltage and current RMS and harmonic data during the event	
	Alarm when thresholds are exceeded and alarm when recovered	
	Update event counter (Event counter accessible via SCADA protocols)	
	Update event in progress flag (Event flag accessible via SCADA protocols)	
Voltage Unbalance Threshold Exceedance (10/12-Cycle block interval - ±200ms)		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	

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	Records 15 x block (±3sec) voltage and current RMS and harmonic data during the event	
	Alarm when thresholds are exceeded and alarm when recovered	
	Update event counter (Event counter accessible via SCADA protocols)	
	Update event in progress flag (Event flag accessible via SCADA protocols)	
Mains Signalling (10/12-Cycle block interval - ±200ms)		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Records 15 x block (±3sec) voltage and current RMS and harmonic data during the event	
	Alarm when thresholds are exceeded and alarm when recovered	
	Update event counter (Event counter accessible via SCADA protocols)	
	Update event in progress flag (Event flag accessible via SCADA protocols)	

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Network Event Requirements (Continued)

Requirement		Comply (Yes/No)
Over/Under Frequency Event		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Records 15 x block (±3sec) voltage and current RMS and harmonic data during the event	
	Alarm when thresholds are exceeded and alarm when recovered	
	Update event counter (Event counter accessible via SCADA protocols)	
	Update event in progress flag (Event flag accessible via SCADA protocols)	
10-Min Voltage Magnitude Exceedance Event		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Alarm when thresholds are exceeded and alarm when recovered	
10-Min Voltage THD Exceedance Event		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Alarm when thresholds are exceeded and alarm when recovered	
10-Min Voltage Unbalance Exceedance Event		
	Date & Timestamp	
	User defined hysteresis and hold-off thresholds	
	Alarm when thresholds are exceeded and alarm when recovered	
Voltage Fast Transient Event		
	Date & Timestamp	
	Operates on signal where the fundamental is filtered out with 40th order filter.	
	Waveform and ½ Cycle RMS Voltage & Current with pre- and post	
	Alarm when thresholds are exceeded and alarm when recovered	
Digital I/O Event		
	Date & Timestamp	
	Waveform and ½ Cycle RMS Voltage & Current with pre- and post	
	Alarm when thresholds are exceeded and alarm when recovered	

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16. SCHEDULE OF PLANT AND EQUIPMENT

The following are lists of major items of relevant equipment that I/we **presently** own or lease and will have available for this contract or will acquire or hire for this contract if my/our tender is accepted.

DETAILS OF MAJOR EQUIPMENT THAT IS OWNED/RENTED AND IMMEDIATELY AVAILABLE FOR THIS CONTRACT.			
QUANTITY	**DESCRIPTION**	**SIZE**	**CAPACITY**

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17. SCHEDULE OF SUBCONTRACTORS

I/we the tenderer, notify the Stellenbosch Municipality that it is our intention to employ the following Subcontractors for work in this contract.

SUBCONTRACTORS				
Category / Type	**Subcontractor Name; Address; Contact Person; Tel. No.**		**Items of work (pay items) to be undertaken by the Subcontractor**	**Estimated cost of Work (Rand)**
1.	Name of firm			
	Contact person			
	Tel No			
	Address			
2.	Name of firm			
	Contact person			
	Tel No			
	Address			
3.	Name of firm			
	Contact person			
	Tel No			
	Address			
4.	Name of firm			
	Contact person			
	Tel No			
	Address			
5.	Name of firm			
	Contact person			
	Tel No			
	Address			
Number of sheets appended by the tenderer to this schedule *(If nil, enter **NIL**)*				

Acceptance of this tender shall not be construed as approval of all or any of the listed subcontractors. Should any of the subcontractors not be approved subsequent to acceptance of the tender, this shall in no way invalidate this tender, and the tendered unit rates for the various items of work shall remain final and binding, even in the event of a subcontractor not listed above being approved by the Engineer.

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18. SCHEDULE OF WORK EXPERIENCE OF THE TENDERER – CURRENT CONTRACTS

EMPLOYER (Name, Tel, Email)		NATURE OF WORK	VALUE OF WORK (INCL. VAT)	CONTRACT PERIOD
Company				From
Tel				
Contact Person				To
Email				
Company				From
Tel				
Contact Person				To
Company				
Company				From
Tel				
Contact Person				To
Email				
Company				From
Tel				
Contact Person				To
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Attach additional pages if mores space is required.

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19. SCHEDULE OF WORK EXPERIENCE OF THE TENDERER – COMPLETED CONTRACTS

The following is a statement of similar work successfully executed by myself / ourselves:

EMPLOYER (Name, Tel, Fax, Email)		NATURE OF WORK	VALUE OF WORK (INCL. VAT)	CONTRACT PERIOD
Company				From
Tel				
Contact Person				To
Email				
Company				From
Tel				
Contact Person				To
Email				
Company				From
Tel				
Contact Person				To
Email				
Company				From
Tel				
Contact Person				To
Email				
Company				From
Tel				
Contact Person				To
Email				
Company				From
Tel				
Contact Person				To
Email				

Attach additional pages if mores space is required.

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	

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20. PRICING SCHEDULE

NOTE:

1. **Only firm prices will be accepted. Non-firm prices will not be considered.**
2. **All delivery costs MUST be included in the bid price, for delivery at the prescribed destination.**
3. **Document MUST be completed in non-erasable black ink.**
4. **NO correction fluid/tape may be used.**
   a. **In the event of a mistake having been made, it shall be crossed out in ink and be accompanied by an initial at each and every alteration.**
5. **The Bidder MUST indicate whether he/she/the entity is a registered VAT Vendor or not.**

The prices offered in the Pricing Schedule must include transport, communication, staffing and technical requirements. The prices must be annually fixed for the duration of the contract.

NB: Please price per Unit. Estimated quantities are only used for evaluation purposes.

Item	Description	Unit Price	Estimated Quantity	Unit Price Financial Year 2027/2028 (Excl VAT)	Unit Price Financial Year 2028/2029 (Excl VAT)	Unit Price Financial Year 2029/2030 (Excl VAT)	Unit Price Financial Year 2030/2031 (Excl VAT)	Unit Price Financial Year 2031/2032 (Excl VAT)
1.	Multifunction Measurement Device with built-in cellular modem and GPS	each	10					
2.	Rogowski Coils (Sets of 3)	each	30					
3.	GSM Antenna	each	10					
4.	Stubby WiFi Antenna	each	10					

PRINT NAME:			
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Item	Description	Unit Price	Estimated Quantity	Unit Price Financial Year 2027/2028 (Excl VAT)	Unit Price Financial Year 2028/2029 (Excl VAT)	Unit Price Financial Year 2029/2030 (Excl VAT)	Unit Price Financial Year 2030/2031 (Excl VAT)	Unit Price Financial Year 2031/2032 (Excl VAT)
5.	Magnetic Base GPS Antenna with 15m extension cable	each	10					
6.	Micro Clamp 5A to 1V (Sets of 3)	Set	30					
7.	US Clamp 250/500/1000 - 5A (Sets of 3)	Set	30					
8.	Voltage Connector Set	Set	30					
9.	Power Connection Set	Set	10					
10.	Current Sensor and Current Transducer Set	Set	30					
11.	Labour for Substation Installation (all accessories as per tender bundled together)	each	10					
12.	Labour for Mini Substation Installation (all accessories as per tender bundled together)	each	10					
13.	Labour for Bulk Supply Points (all accessories as per tender bundled together)	each	10					
14.	Labour for SSEG Installation (all accessories as per tender bundled together)	each	10					
15.	Data Hosting and Visualization System Installation & Commissioning (Once Off)	each	1					

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	

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Item	Description	Unit Price	Estimated Quantity	Unit Price Financial Year 2027/2028 (Excl VAT)	Unit Price Financial Year 2028/2029 (Excl VAT)	Unit Price Financial Year 2029/2030 (Excl VAT)	Unit Price Financial Year 2030/2031 (Excl VAT)	Unit Price Financial Year 2031/2032 (Excl VAT)
16.	Ad Hoc Device Installation and Commissioning (Per Installation)	each	10					
17.	Product & System Training (Per Training Session for 10 people)	each	1					
18.	Database Administration Services (Monthly)	each	60					
19.	Device Management Service & Extended Warrantee (Monthly)	each	60					
20.	Data Analysis & Reporting (Monthly)	each	60					
21.	Ad Hock Expert Investigations (Professional Engineer rate)	each	1					
22.	Labour rate: Technician – After hours	Per hour						
23.	Labour rate: Technician – Office hours	Per hour						
24.	NERSA Annual Report	each	5					
SUB TOTAL EXCLUSIVE VAT								
VAT @ 15%								
TOTAL INCLUSIVE VAT								
TOTAL INCLUSIVE VAT FOR ALL 5 FINANCIAL YEARS								

PRINT NAME:			
CAPACITY:		Name of firm	
SIGNATURE:		DATE:	

21. DECLARATION BY TENDERER

I / We acknowledge that I / we am / are fully acquainted with the contents of the conditions of the tender of this tender document and that I / we accept the conditions in all respects.

I / We agree that the laws of the Republic of South Africa shall be applicable to the contract resulting from the acceptance of *my / our tender and that I / we elect *domicillium citandi et executandi* (physical address at which legal proceedings may be instituted) in the Republic at:

_____

_____

_____

I / We accept full responsibility for the proper execution and fulfillment of all obligations and conditions devolving in me / us under this agreement as the principal liable for the due fulfillment of this contract.

I / We furthermore confirm I / we satisfied myself / ourselves as to the corrections and validity of my / our tender; that the price quoted cover all the work / items specified in the tender documents and that the price(s) cover all my / our obligations under a resulting contract and that I / we accept that any mistake(s) regarding price and calculations will be at my / our risk.

I / We furthermore confirm that my / our offer remains binding upon me / us and open for acceptance by the Purchases / Employer during the validity period indicated and calculated from the closing date of the bid.

SIGNATURE		NAME (PRINT)	
CAPACITY		DATE	
NAME OF FIRM			
WITNESS 1		WITNESS 2	