

BID DOCUMENT:

SUPPLY AND DELIVERY OF SMART PREPAID ELECTRICAL METERS WITH SPLIT CUSTOMER INTERFACE UNITS, HIGH-CURRENT CT-CONNECTED METERING DEVICES, AND DATA CONCENTRATORS WITH 4G+G3-PLC MULTI-COMMUNICATION CAPABILITY.

BID NUMBER: CD40/2025

CLOSING DATE AND TIME: REFER TO THE CALL FOR BIDS DOCUMENT

EMPLOYER:

CENTLEC (SOC) LTD

**30 Rhodes Avenue
Oranjesig
Bloemfontein
9301**

**Represented by:
Mr MS Sekoboto
Chief Executive Officer**

FOR ENQUIRES:

TECHNICAL ENQUIRIES:


Metering Department

Email: mohau.sobelele@centlec.co.za
shirley.mahlanyana@centlec.co.za

ADMINISTRATIVE ENQUIRIES:

**Supply Chain Management
Senior SCM Practitioner: Ms. Palesa
Makhele**

Email: Palesa.Makhele@centlec.co.za

M.J.
S.S. 

Name of Bidder :

Bid Amount (Incl.Vat) :

Amount in Words (Incl.Vat) :

CSD Registration Number :

SUMMARY FOR BIDDERS' DETAILS

NAME OF BIDDER :

ADDRESS :

.....

.....

CELLPHONE NUMBER:

TELEPHONE NUMBER :

FAX NUMBER :

E-MAIL ADDRESS :

CLOSING DATE :

Signed by authorised representative of the BIDDER:

DATE:

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1. ABBREVIATIONS

- AC – Alternating Current
- CT – Current Transformer
- VT – Voltage Transformer
- MV/HV – Medium Voltage / High Voltage
- RMS – Root Mean Square
- Hz - Hertz
- TOU – Time Of Use
- L-L – Line to Line
- L-N – Line to Neutral
- kWh – kilo Watt hour
- kVA – kilo Volt Amperes
- kVAh – kilo Volt Amperes hour
- kVARh - Kilo Volt Amperes reactive hours
- MD – Maximum Demand
- AMR – Automated Meter Reading
- AMI – Advanced Metering Infrastructure
- SIM – Subscriber Identity Module
- SANS – South African National Standards
- IEC – International Electro-technical Commission
- ISO - International Organization for Standardization
- NRS – National Regulatory Services
- IEEE - Institute of Electrical and Electronics Engineers
- STS – Standard Transfer Specification
- LCD – Liquid Crystal Display
- CIU – Customer Interface Unit
- FLAG - Fibre Link Around the Globe
- DLMS - Device Language Message Specification
- COSEM - Companion Specification for Energy Management
- GSM - Global System for Mobile Communications
- GPRS - General Packet Radio Service GPRS/5G
- TCP/IP - Transmission Control Protocol and Internet Protocol)
- ADSL - Asymmetric digital subscriber line)
- LTE - Long Term Evolution
- LAN – Local Area Network
- LED – Light Emitting Diode
- SCTM - Serial Coded Tele-Metering
- FNP – Frontend Network Processor
- RTU – Remote Terminal Unit
- DNP3 - Distributed Network Protocol 3
- CPU – Central Processing Unit
- ROM – Read Only Memory
- RAM – Random Access Memory
- USB – Universal Serial Bus
- IP – Internet Protocol
- OTA - Over The Air
- TCP – Transmission Control Protocol
- AT – Attention
- APN - Access Point Name
- CSD – Circuit Data Service
- ICASA - Independent Communications Authority of South Africa
- ESKOM - Electricity Supply Commission

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2. BIDDING PROCEDURES

2.1. BID NOTICE

CENTLEC (SOC) Ltd (hereafter referred to as CENTLEC), a Municipal Entity distributing electricity in Mangaung Metro, invites bids for the supply and delivery of smart prepaid electrical meters with split customer interface units, high-current CT-connected metering devices, and data concentrators with 4G+G3-PLC multi-communication capability for a period of thirty-six (36) months.



Table 1: Preferential Procurement Policy Framework

Bid No.	Description	Non-Refundable Bid Document Price	Compulsory Briefing Session	Price Preference Point System	Bid Closing Date and Time	Minimum Functionality Score
CD40/2025	CENTLEC, a Municipal Entity distributing electricity in Mangaung Metro, invites bids for the supply and delivery of smart prepaid electrical meters with split customer interface units, high-current CT-connected metering devices, and data concentrators with 4G+G3-PLC multi-communication capability for a period of thirty-six (36) months.	NOT APPLICABLE	N/A	90/10	SCM	85%

Preferential Procurement Policy Framework Act No.5 of 2000: Preferential Procurement Regulations 2022 and Supply Chain Management Policy of CENTLEC (SoC) Ltd will apply in the adjudication process. Method 4 of evaluation of the acceptable proposals will be applied and responsive bids are expected to score at least a minimum of 85 out of 100 points (85%) for functionality points to be considered for further evaluation. Bids will be adjudicated according to the 90/10 of the Price Preferential point system.

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2.2. MANDATORY RETURNABLE DOCUMENTS

The following mandatory returnable documents forms part of the qualification criteria into the bid:

- i Certified Copy of Company Registration certificate.
- ii Certified Copy (ies) of Company director(s) Identification Documents.
- iii Full CSD (not a summary) registration report (to be verified during adjudication).
- iv Supply municipal services (water, sanitation, rates, and electricity) clearance certificate or Lease Agreement with a current Bill and rates clearances, or Current Bill of Account not owing more than 90 days. In a case where the services are paid by the Landlord, the signed lease agreement and statement of account must be submitted by the bidder. In an event, that the Bidder utilizes prepaid services (e.g. Water or electricity) a valid municipal clearance certificate(s) must still be provided.
- v Valid SARS TCS (Tax Compliant Status) Pin.
- vi Completion of all relevant and necessary document forms including all MBD forms.
- vii Valid proof of Authority to sign the Bid.

Bids will be subjected to the CENTLEC Supply Chain Management Policy and its Preferential Procurement Policy (PPR 2022). Original or certified valid copy of B-BBEE Certificate / or sworn B-BBEE affidavit must be submitted to claim preference points. Bidders who do not submit B-BBEE Status Level Verification Certificates or are non-compliant contributors to Specific Goals do not qualify for preference points for specific goals but will not be disqualified from the bidding process.

This bid document should be in a sealed envelope duly endorsed "**BID NUMBER AND DESCRIPTION.**" must be placed in the bid box situated at 30 Rhode Avenue, Oranjesig, Bloemfontein, 9301 on or before **the closing date**. Bidders are mandated to write their names, name of the bidding entity, contact details including e-mail addresses on the bid submission register next to the Bid Box as proof for submission, failure which, submission will NOT be considered for evaluation.

Collection of bid documents: Bid documents can be obtained on the municipal website: www.centlec.co.za, the e-tender portal (www.e-tender.gov.za) from the..... Bids received after closing date and time, faxed, completed with pencil, tipexed, incomplete document or e-mailed will not be considered.

NOTE: Only those bidders who are registered on the Central Supplier Database (CSD) registered prospective bidders are eligible to submit bids. The entity reserves the right to appoint more than one service provider. The entity does not bind itself to accept or award the lowest priced bid. The Council may elect to accept only part of the successful bid. Entity reserves the right not to appoint or withdraw the bid and the right to award the bid wholly or partly at its sole discretion. The adjudication process and the award, if an award is made, will conform to the requirements of the Supply Chain Management Regulations, the Preferential Procurement Policy Framework Act and the Preferential Procurement Regulations of 2022. Only the version of this notice and invitation contained in the bid document shall form part of the bid. No correspondences will be entered into with regards to evaluation scores obtained. Bids may only be submitted on the original bid documentation that is issued by the employer. Bids are valid for a period of one hundred and twenty (120) days after closing date.

If you do not hear from us within 120 days after the closing date, please consider your bid unsuccessful, you can also visit CENTLEC website as all awarded bids are published.

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MBD1

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF CENTLEC SOC LTD					
BID NUMBER:	CD40/2025	CLOSING DATE:		CLOSING TIME:	11:00
DESCRIPTION	Supply and delivery of smart prepaid electrical meters with split customer interface units, high-current CT-connected metering devices, and data concentrators with 4G+G3-PLC multi-communication capability.				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN *THE BID BOX SITUATED AT:*

30 Rhode Avenue,					
Oranjesig					
Bloemfontein					
9301					
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS		TCS PIN:		OR	CSD No:
SPECIFIC GOALS STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]		<input type="checkbox"/> Yes <input type="checkbox"/> No		SPECIFIC GOALS STATUS LEVEL/ SWORN AFFIDAVIT <input type="checkbox"/> Yes <input type="checkbox"/> No	

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

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE	R
SIGNATURE OF BIDDER		DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED			
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT	Supply Chain Management	DEPARTMENT	Metering
CONTACT PERSON	Ms. P Makhele	CONTACT PERSON	Mr. Mohau Sobebele Me. Shirley Mahlanyana
TELEPHONE NUMBER	051-412 2753	TELEPHONE NUMBER	051-409 2395 051-409 2364
FACSIMILE NUMBER	n/a	FACSIMILE NUMBER	n/a
EMAIL ADDRESS	palesa.makhele@centlec.co.za	EMAIL ADDRESS	mohau.sobebele@centlec.co.za shirley.mahlanyana@centlec.co.za

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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 ONLINE
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) 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.
- 2.8. SUPPLY MUNICIPAL SERVICES (WATER, SANITATION, RATES, AND ELECTRICITY) CLEARANCE CERTIFICATE OR LEASE AGREEMENT WITH A CURRENT BILL AND RATES CLEARANCES, OR HARDWARE CURRENT BILL OF ACCOUNT NOT OWING MORE THAN 90 DAYS. IN A CASE WHERE THE SERVICES ARE PAID BY THE LANDLORD, THE SIGNED LEASE AGREEMENT AND STATEMENT OF ACCOUNT MUST BE SUBMITTED BY THE BIDDER.
 - 2.8.1. IN AN EVENT THAT THE BIDDER UTILIZES PREPAID SERVICES (E.G. WATER OR ELECTRICITY) A VALID MUNICIPAL CLEARANCE CERTIFICATE(S) MUST STILL BE PROVIDED.
- 2.9. SUBMIT PROOF OF REGISTRATION ON THE NATIONAL TREASURY CENTRALIZED SUPPLIER'S DATABASE.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- | | |
|--|--|
| 3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? | YES <input type="checkbox"/> NO <input type="checkbox"/> |
| 3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA? | YES <input type="checkbox"/> NO <input type="checkbox"/> |
| 3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? | YES <input type="checkbox"/> NO <input type="checkbox"/> |
| 3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? | YES <input type="checkbox"/> NO <input type="checkbox"/> |
| 3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? | YES <input type="checkbox"/> NO <input type="checkbox"/> |

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.

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4. MANDATORY RETURNABLES, BID RULES AND INSTRUCTIONS (FAILURE TO COMPLY WITH THE PRE-SET REQUIREMENTS)

- 4.1. DULY COMPLETED AND SIGNED MBD 1 FORM BY SERVICE PROVIDER AND FORMAL WRITTEN PRICE QUOTATION BY THE BIDDER.
- 4.2. COMPLETION AND SIGNING OF ALL DECLARATION FORMS (MBD)
- 4.3. SUBMISSION OF A VALID SARS TCS PIN
- 4.4. PROOF AND DECLARATION THAT THE BIDDER IS NOT IN ARREARS OF MUNICIPAL RATES MORE THAN 90 DAYS
- 4.5. BIDDER MUST PROVIDE CERTIFIED ID COPIES OF ALL DIRECTORS, SHAREHOLDERS, AND PARTNERS.
- 4.6. ALL CERTIFIED COPIES MUST NOT BE OLDER THAN SIX (06) MONTHS FROM CLOSING DATE.
- 4.7. CERTIFIED COPY OF COMPANY REGISTRATION CERTIFICATE TO BE ATTACHED WITH THE BID DOCUMENT
- 4.8. CENTRAL SUPPLIER DATABASE (CSD) REGISTRATION NUMBER, AND
- 4.9. DECLARATION THAT BIDDER IS NOT IN ARREARS OF ANY MUNICIPAL RATES, MUNICIPAL RATES OF EACH COMPANY DIRECTOR, VALID LEASE AGREEMENT AND LEASE DECLARATION BY LESSOR OR PROOF OF RESIDENCE FROM THE MUNICIPAL COUNCIL (IF OPERATING BUSINESSES FROM AN INFORMAL NON-BILLED RESIDENTIAL AREA)

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 :

DATE:

NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE. ALL CERTIFIED COPIES MUST NOT BE OLDER THAN SIX MONTHS FROM BID CLOSING DATE. COPIES OF CERTIFIED COPIES WILL NOT BE CONSIDERED AS VALID COPIES.

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3. BID DATA

Clause	Wording (Data)
	The employer is CENTLEC (SOC) Ltd.
	<p>The bid documents issued by the employer comprise:</p> <ol style="list-style-type: none"> 1. ABBREVIATIONS 2. BIDDING PROCEDURES 3. BID DATA 4. RETURNABLE DOCUMENTS 5. EVALUATION CRITERIA 6. SCOPE OF WORK 7. SPECIAL CONDITIONS 8. PRICING DATA 9. GENERAL CONDITIONS OF CONTRACT 10. APPENDIX: STANDARD CONDITIONS OF BID
	<p>The Employer's agent is:</p> <p>The Chief Executive Officer Mr. MS Sekoboto</p> <p>Centlec (SOC) Ltd 30 Rhodes Avenue Oranjesig Bloemfontein 9301</p>
	<p>Only those bidders who satisfy the following eligibility criteria are eligible to submit bids:</p> <ol style="list-style-type: none"> a) CSD Registered service providers. b) Bidders not listed on National Treasury's Bid Defaulters Database and Restricted suppliers. c) Bidders registered at the relevant and designated authorities/professional bodies.
	<p>The Employer's address for delivery of bid offers and identification details to be shown on each bid offer package are:</p> <p>Location of bid box: Centlec (SOC) Ltd Supply Chain Management Offices</p> <p>Physical address: 30 Rhodes Avenue, Oranjesig, Bloemfontein 9301</p>
	Postal address: 30 Rhodes Avenue, Oranjesig, Bloemfontein 9301
	A two-envelope procedure will not be followed.
	<p>Compulsory Briefing Meeting Date and Time: NO</p> <p>Compulsory Briefing will held</p>
	The closing time for submission of bid offers is:

	Telephonic, telegraphic, telex, facsimile or e-mailed bid offers will NOT be accepted.
	The bid offer validity period is 120 days.
Clause	Wording (Data)
	The bid shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements.
	The bidder is required to submit the following certificates with his bid: Particulars of any contracts awarded by an organ of state during the last five years including particulars of any material non-compliance or dispute concerning their execution over this period (if >R10 000 incl. VAT); and
	The time and location for opening of the bid offers are in accordance with regulation 23 of the MFMA
	Functionality Requirements: Prospective Bidders are required to score a minimum of 60 points or 60% for them considered for further evaluation
	the B-BBEE balanced scorecard - Bidders are required to submit original and valid B-BBEE Status Level Verification Certificates or certified copies thereof together with their bids, to substantiate their Specific Goals rating claims as stipulated in the Preferential Procurement Policy Framework Act, Act No.5 of 2000 and Preferential Procurement Regulation 2022.
	Bid offers will only be accepted on condition that: the bidder has in <u>his or her possession</u> an original Tax Clearance Certificate / valid and compliant SARS TCS Pin issued by the South African Revenue Services;
	a) the bidder is registered with the Central Supplier Database of National Treasury; b) the bidder or any of its directors is not listed in the Register of Bid Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector.
	the bidder has not: c) abused the Employer's Supply Chain Management System; or i) failed to perform on any previous contract and has been given a written notice to this effect; and ii) has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the bidder's ability to perform the contract in the best interests of the employer or potentially comprise the bid process.
	d) The number of paper copies of the signed contract to be provided by the Employer is ONE (1).
	The Entity reserves the right to appoint more than one service provider. The Entity reserves the right to cancel or withdraw the bid, or not to award.

4. RETURNABLE DOCUMENTS

(Bidder Must comply with the set out Schedules below, bid rules and Instructions, failure to comply will result in bid being nonresponsive). THE FOLLOWING FORMS and documents are mandatory returnable for bids to be considered responsive:

LISTS OF RETURNABLE DOCUMENTS

- i. Certificate of Attendance at clarification meeting (not applicable).
- ii. Record of addenda (where applicable).
- iii. Certificate of Authority of Signatory and Proof / Letter of Authority to Sign Bid Document.
- iv. Registration certificate / Agreement / Identity Documents.
- v. Tax Clearance Requirements – Valid SARS TCS PIN.
- vi. Declaration by Bidder MBD 4 (Declaration of Interest).
- vii. Declaration by Bidder MBD 5 (Procurement expected to exceed R10m).
- viii. Declaration by Bidder MBD 6.1 (Preference Claim Points).
- ix. Declaration by Bidder MBD 8 (Bidder's Past Supply Chain Management Practices).
- x. Declaration by Bidder MBD 9 (Certificate of Independent Bid Determination).
- xi. Comprehensive (Not Summary) Central Supplier Database (CSD) Report.
- xii. Supply municipal services (water, sanitation, rates, and electricity) clearance certificate or Lease Agreement with a current Bill and rates clearances, or Current Bill of Account not owing more than 90 days. In a case where the services are paid by the Landlord, the signed lease agreement and statement of account must be submitted by the bidder. In an event, that the Bidder utilizes prepaid services (e.g. Water or electricity) a valid municipal clearance certificate(s) must still be provided.
- xiii. Compulsory Enterprise Questionnaire.

LIST OF OTHER RETURNABLE DOCUMENTS FOR EVALUATION PURPOSES:

- i. Copy of certified B-BBEE SANAS certificate or valid Sworn affidavit certificate
- ii. Minimum requirement stipulated on the call for bids, must also be adhered to.

Note: In Addition: Bidders who fail to comply with the underneath pre-set Bid Instructions and Rules will not be accepted (will be rejected as non-responsive):

All certified documents must not be older than three months from bid closing date, all alterations and cancellations to bid document must be signed by the authorised signatory, employer reserves the right to disqualify bidders for infringing any of the Standard Bid Conditions, rules and issued instructions. ALL pages of the bid document must be initialled by authorised signatory. Copies of certified copies will not be accepted as valid copies. Bidder's whose names appear on the National Treasury list of Restricted Suppliers and Defaulters will not be accepted.

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PROOF / CERTIFICATE OF ATTENDANCE AT SITE MEETING (NOT APPLICABLE)

This is to certify that (*bidder*)..... of (*address*).....
.....
.....was represented by the person(s) named below at the compulsory meeting held for all bidders at
(*location*) on (*date*)..... starting at (*time*)

I / We acknowledge that the purpose of the meeting was to acquaint myself / ourselves with the site of the works and / or matters incidental to doing the work specified in the bid documents in order for me / us to take account of everything necessary when compiling our rates and prices included in the bid.

Particulars of person(s) attending the meeting:

Name:..... Signature:.....

Capacity:.....

Name:..... Signature:

Capacity:

Attendance of the above person(s) at the meeting is confirmed by the Employer's representative, namely:

Name: Signature:

Capacity: Date and Time:

RECORD OF ADDENDA TO BID DOCUMENTS

We confirm that the following communications received from the Employer before the submission of this bid offer, amending the bid documents, have been taken into account in this bid offer:		
	Date	Title or Details
1.		
2.		
3.		
4.		

Attach additional pages if more space is required. Bidders are required (mandatory to sign the underneath declaration) irrespective of an Addendum issued or not.

Signed..... Date.....
Name..... Position.....
Bidder.....

CERTIFICATE OF AUTHORITY FOR SIGNATORY

Indicate the status of the bidder by ticking the appropriate box hereunder. The bidder **MUST** complete the certificate set out below for the relevant category, and attach their Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID documents. Bidders **MUST** attach valid Proof of Authority to sign the bid to this form under the Company's Letterhead.

(I) COMPANY	(II) CLOSE CORPORATION	(III) PARTNERSHIP	(IV) JOINT VENTURE	(V) SOLE PROPRIETOR

(I) CERTIFICATE FOR COMPANY

I, chairperson of the Board of Directors of

..... hereby confirm that by resolution of the Board (copy attached) taken

on 20 Mr/Ms acting in the capacity of

was authorized to sign all documents in connection with the bid for Contract No and any contract resulting from it, on behalf of the company.

Chairman :

As Witnesses : 1.

2.

Date :

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(ii) CERTIFICATE FOR CLOSE CORPORATION

We, the undersigned, being the key members in the business trading as.....

.....hereby authorise

Mr/Ms..... acting in the capacity of..... to sign all

documents in connection with the bid for Contract Noand any contract resulting from it, on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

Note: This certificate is to be completed and signed by all of the key members upon whom rests the direction of the affairs of the Close Corporation as a whole.

(iii). CERTIFICATE FOR PARTNERSHIP

We, the undersigned, being the key partners in the business trading as,..... hereby authorize Mr/Ms

.....acting in the capacity of.....to sign all

documents in connection with the bid for Contract Noand any contract resulting from it, on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

Note: This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.

M.J.

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(IV) CERTIFICATE FOR JOINT VENTURE

We, the undersigned, are submitting this bid offer in Joint Venture and hereby authorize

Mr/Ms.....authorized signatory of the company,.....

acting in the capacity of lead partner, to sign all documents in connection with the bid offer for Contract No

.....and any contract resulting from it, on our behalf.

This authorization is evidenced by the attached power of attorney signed by legally authorized signatories of all the partners to the Joint Venture.

NAME OF FIRM	ADDRESS	AUTHORIZING SIGNATURE NAME AND CAPACITY
Lead Partner		

Note: This certificate is to be completed and signed by all of the key partners upon whom rests the direction of the affairs of the Partnership as a whole.

(V) CERTIFICATE FOR SOLE PROPRIETOR

I,hereby confirm that I am the sole owner of the business trading as

.....

Signature of Sole owner

As Witnesses:

1.

2. Date

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S.S.

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**CERTIFIED COPIES OF REGISTRATION CERTIFICATE / AGREEMENT/ ID
DOCUMENT**

(Important note to Bidder: certified copies of Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID documents for Sole Proprietors, all as referred to in the foregoing forms and must be inserted here)

M.J.

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MBD 2

TAX CLEARANCE CERTIFICATE REQUIREMENTS

1. The taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with the Receiver of Revenue to meet his / her tax obligations.
2. Bidder must attach a valid SARS TCS Tax Compliance Status Pin Failure to submit the valid Tax Compliance Status (TCS) PIN from SARS will invalidate the bid.
3. In bids where Consortia / Joint Ventures / Sub-contractors are involved each party must submit a separate SARS Tax Compliance Status Pin

MBD 3.1

PRICING SCHEDULE – FIRM PRICES (PURCHASES)

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of Bidder.....	Bid Number.....
Closing Time	Closing Date

OFFER TO BE VALID FOR..... **120**... DAYS FROM THE CLOSING DATE OF BID.

ITEM QUANTITY DESCRIPTION BID PRICE IN RSA CURRENCY NO.
**(ALL APPLICABLE TAXES INCLUDED)

No.	SUM		R
-----	-----	--	---

- Required by:
- At:
- Brand and Model N/A
- Country of Origin
- Does the offer comply with the specification(s)? *YES / NO
- If not to specification, indicate deviation(s)
- Period required for delivery
*Delivery: Firm / Not firm
- Delivery basis

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

** "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

*Delete if not applicable

MBD 4

DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state. *
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 authorized representative declare their position in relation to the evaluating/adjudicating authority and/or take 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:

Full Name:

Identity Number:

Company Registration Number:

VAT Registration Number:

Are you presently in the service of the state? **Yes / No**

If so furnish particulars:

.....

Have you been in the service of the state in the last twelve months? **Yes / No**

If so furnish particulars

.....

MSCM Regulations: "in the service of the state" means to be-

(a) a member of

- (1) any municipal council;
- (2) any provincial legislature; or
- (3) the national Assembly or the national Council of PROVINCES;

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SS. 

- (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
- (e) constitutional institution within the meaning of the Public Finance Management Act, 1999 (act no 1 of 1999);
- (f) a member of the accounting authority of any national or provincial 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**

If so, furnish
particulars.....

.....

☒ Are *you*, aware of any relationship (family, friendly, other) between a bidder and persons in the service of the state who may be involved with the evaluation and adjudication of this bid. **Yes / No**

If so, furnish
particulars.....

.....

.....

Are any of the company's directors, managers, principle Shareholders or stakeholders in the service of the State? **Yes / No**

If so, furnish particulars.....

.....

Is any spouse, child, or parent of the company's directors, managers, principle shareholders or stakeholders in service of the state? **Yes / No**

If so, furnish particulars.....

.....

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)

.....
CERTIFY THAT THE INFORMATION FURNISHED ON THE DECLARATION FORM IS
TRUE AND CORRECT. I ACCEPT THAT, IN ADDITION TO CANCELLATION OF
CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION
PROVE TO BE FALSE.

.....
SIGNATURE

.....
DATE

.....
POSITION

MBD 5

DECLARATION FOR PROCUREMENT ABOVE R10-MILLION (ALL APPLICABLE TAXES INCLUDED) for all procurement expected to exceed R10 million (all applicable taxes included), bidders must complete the following questionnaire:

		Tick applicable box	
1.	By law you are required to prepare annual financial statements for auditing?	Yes	No
1.1	If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.		
2.	Do you have any outstanding undisputed commitments for municipal services towards any municipality OR MU for more than three months or any other service provider in respect of which payment is overdue for more than 30 days?	Yes	No
2.1	If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards any municipality for more than three months or other service provider in respect of which payment is overdue for more than 30 days.		
2.2	If yes, provide particulars:		
3.	Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?	Yes	No
3.1	If yes, provide particulars:		
4.	Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?	Yes	No
4.1	If yes, provide particulars:		

CERTIFICATION

I, the undersigned certify that the information furnished on this declaration form is correct. I accept that the state may act against me should this declaration prove to be false.

NAME OF REPRESENTATIVE	AUTHORIZED SIGNATURE (UNDERSIGNED)
DATE:	CAPACITY:

MBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE BID AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to bid:

- 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 **To be completed by the organ of state**

- a) The value of this bid is estimated **to exceed R 50 000 000** and
- b) therefore the **90/10** preference point system will be applied.

1.3 Points for this bid (even in the case of a bid for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this bid are allocated as follows:

	POINTS	POINTS
PRICE	80	90
SPECIFIC GOALS	20	10
Total points for Price and SPECIFIC GOALS	100	100

1.5 Failure on the part of a bidder to submit proof or documentation required in terms of this bid to claim points for specific goals with the bid, will be interpreted to mean that preference points for specific goals are not claimed.

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- 1.6** The organ of state 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 organ of state.

2. DEFINITIONS

- (a) **“bid”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive bidding process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money bided for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“bid for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

80/20 or **90/10**

$$P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}}\right) \text{ or } P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}}\right)$$

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

P_{min} = Price of lowest acceptable bid

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

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

80/20 or 90/10

$$Ps = 80 (1 + \frac{Pt - P_{max}}{P_{max}}) \text{ or } Ps = 90 (1 + \frac{Pt - P_{max}}{P_{max}})$$

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

Pmax = Price of highest acceptable bid

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the bid. For the purposes of this bid the bidder will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this bid:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the bid documents, stipulate in the case of—

(a) an invitation for bid for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable bid will be used to determine the applicable preference point system; or

(b) any other invitation for bid, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable bid will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the bid and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

*Note to bidders: The bidder **MUST** indicate how they claim points for each preference point system.)*

The specific goals allocated points in terms of this bid	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the bidder)	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the bidder)
50% or more Black Owned enterprise <i>To be verified through CIPC Certificate, or share certificate CSD Report</i>	10		5	
50% or more Women shareholding <i>To be verified through CIPC Certificate, or share certificate CSD Report</i>	5		2.5	
50% or more Youth shareholding <i>To be verified through CIPC Certificate, or share certificate CSD Report</i>	5		2.5	
Total Specific Goals Points	20		10	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

- 4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the bid, qualifies the company/ firm for the preference(s) shown and I acknowledge that:
- i) The information furnished is true and correct;
 - ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
 - iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
 - iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the 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 from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....	
SIGNATURE(S) OF BIDDER(S)	
SURNAME AND NAME:
DATE:
ADDRESS:

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

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions 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 disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
1.1	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 <i>audi alteram partem</i> rule was applied).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.1.1	If so, furnish particulars:		
1.2	Is the Bidder or any of its directors listed on the Register for Bid 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 Bid Defaulters" or submit your written request for a hard copy of the Register to facsimile number 012 3265445).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2.1	If so, furnish particulars:		
1.3	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 <input type="checkbox"/>	No <input type="checkbox"/>
1.3.1	If so, furnish particulars:		
1.4	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 <input type="checkbox"/>	No <input type="checkbox"/>
1.4.1	If so, furnish particulars:		
1.5	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 <input type="checkbox"/>	No <input type="checkbox"/>
1.5.1	If so, furnish particulars:		

***where the entity bidding is a joint venture, each party to the joint venture must sign a declaration in terms of the Municipal Finance Management Act and attach it to this schedule**

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S.S. 

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME).....
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS 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.

Signed	Date
_____	_____
Name	Position
_____	_____
Bidder	


MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ 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).² Collusive bidding is a *pe 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:
 - a. take all reasonable steps to prevent such abuse;
 - b. 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
 - c. 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:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² 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.

M.J.
S.S. 

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

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:

- (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) 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 consortium³ 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:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;

- (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) 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

.....
Date

.....
Position

.....
Name of Bidder

M.J.

SS.

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PROOF OF CSD REGISTRATION

Bidders MUST attach Proof of Comprehensive CSD registration report hereto and provide CSD Supplier Number:

MAAA _____

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME).....
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I FURTHER UNDERTAKE FULL REPSONSIBILITY FOR ANY INCORRECT INFORMATION PROVIDED AND THAT THE EMPLOYER (CENTLEC (SOC) Ltd.) MAY NOT BE HELD ACCOUNTABLE FOR INCORRECT INFORMATION PROVIDED.


Signed _____

Date _____

Name _____

Position _____

Bidder _____

M.J.
S.S. 

MUNICIPAL UTILITY ACCOUNT / LEASE AGREEMENT / PROOF OF RESIDENCE

*(Affix hereto RECENT / LATEST proof of municipal services account for tax & rates STATEMENT not owing more than three (3) months hereto) / Valid lease Agreement (Proof that leased premises rates are not in arrears for more than 90 days) / Proof of Residence for bidders that reside in non-billed municipal area or jurisdiction.
Bidders MUST complete the clearance certificate a set out below.*

M.J.

S.S. 

CLEARANCE CERTIFICATE FOR WATER & LIGHTS

Section 45(1)(d) of Municipal Supply Chain Regulations requires that the municipality must reject a bidder whose municipal rates and taxes are in arrears for more than three months.

The purpose of this schedule is to obtain proof that municipal services, rates and taxes of the service provider are not in arrears for more than three months, with the relevant municipality in the municipal area where the service provider conduct his / her business or if the bidder is a tenant, a Letter from the Landlord stipulating the office space leased and the payment status of the service charges. Should the above not be applicable NO AFFIDIVIT will be acceptable ONLY AN OFFICIAL COUNCIL LETTER OF RESIDENCE from bidders residing in non-billed areas will be acceptable (subject to verification)

Each bidder must complete the below checklist. Important: if you fail to complete this form, the bid will be non-responsive. (Please tick with X where appropriate):

QUESTIONS		YES	NO
1.	Do you own a property?		
2.	Do you receive a municipal rates account?		
3.	Is your municipal rates and taxes account up to date / current (not in arrears for more than three months)?		
4.	If yes, provide the following details:		
4.1	▪ Municipality name		
4.2	▪ Municipal account number		
5.	If yes, please attach proof in the form of the original or certified copy of the bidder's municipal rates and taxes account not older than 3 months		
6.	Does the bidder lease / rent the property where the business is situated?		
7.	If yes, provide the following details:		
7.1	▪ Landlord name		
7.2	▪ Address property is situated		

7.3	▪ Contact number of landlord		
8.	Please attach the copy of the lease agreement signed by the landlord / lessor and the tenant / lessee as proof		
I, (Insert full name)			
of (insert physical address)			
being a Director, Principal Shareholder, owner of company (Insert company name)			
Hereby confirms that, the information submitted in this form is accurate, to the best of my knowledge			
SIGNATURE:		DATE:	

* IMPORTANT: IF YOU FAIL TO COMPLETE THIS FORM, PLEASE REGARD YOUR BID AS NON RESPONSIVE

M.J.

S.S.



Names of all directors, their ID numbers and municipal account number.

Director / Shareholder / partner	ID Number of Director / Shareholder / Partner	Physical residential address of the Director / shareholder / partner	Municipal Account number(s)	Municipality where the account is held

- Certified copies of municipal accounts mentioned of each Director, Shareholder, and partner listed above (Not older than 3 months).

CERTIFICATION

(AUTHORISED SIGNATORY)

I, THE UNDERSIGNED (FULL NAME).....

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I FURTHER UNDERTAKE FULL REPSONSIBILITY FOR ANY INCORRECT INFORMATION PROVIDED AND THAT THE EMPLOYER (CENTLEC SOC LTD) MAY NOT BE HELD ACCOUNTABLE FOR INCORRECT INFORMATION PROVIDED.

Signed.....

Date.....

Name.....

Position.....

Bidder

COMPULSORY ENTERPRISE QUESTIONNAIRE

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaire in respect of each partner must be completed and submitted.

Section 1:

Name of Enterprise:

Section 2: VAT registration number,

if any:

Section 3: CIDB registration number,

if any:

Section 4: Particulars of sole proprietor and partners in partnerships

Name*	Identity number*	Personal income tax number*

*complete only if sole proprietor or partnership and attach separate page if more than three partners

Section 5: particulars of companies and close corporations

Company registration number.....

Close corporation number.....

Tax reference number.....

Section 6: record of service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- ☐ A member of any provincial legislature
- ☐ A member of the national assembly or the National Council of Province
- ☐ A member of the board of directors of any Municipal entity
- ☐ An official of any municipality or municipal entity
- ☐ A member of any municipal council

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- ☐ An employee of any provincial department national or provincial public entity or constitutional institution within the meeting of public finance management Act, 1999 (act 1 of 1999)
- ☐ A member of an accounting authority of any national or provincial public entity
- ☐ An employee of parliament or a provincial legislature

If any of the above boxes are marked, disclose the following: (insert separate page if necessary)

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 7: Indicate by marking the relevant boxes with a cross, if any sole proprietor, partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- ☐ A member of any provincial legislature
- ☐ A member of the national assembly or the National Council of Province
- ☐ A member of the board of directors of any Municipal entity
- ☐ An official of any municipality or municipal entity
- ☐ A member of any municipal council
- ☐ An employee of any provincial department national or provincial public entity or constitutional institution within the meeting of public finance management Act, 1999 (act 1 of 1999)
- ☐ A member of an accounting authority of any national or provincial public entity
- ☐ An employee of parliament or a provincial legislature

Name of spouse, child or parent	Name of institution, public offices, board or organ of state and position held	Status of service (tick appropriate column)	
		current	Within last 12 months

*insert separate page if necessary

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the enterprise:

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SS 

- (i) Authorise the employer to obtain a tax clearance certificate from the South African Revenue services that my/our tax matters are in order;
- (ii) Confirms that the neither the name of the enterprise or the name of any partner, manage, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the register on the bid defaulters established in terms of the prevention and combating of corrupt activities Act of 2004;
- (iii) Confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- (iv) Confirms that I / we are not associated, linked or involved with any other bidding entities submitting bid offers and have no other relationship with any of the bidders or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- (v) Confirms that the contents of this questionnaire are within my personal knowledge and are to be the best
- (vi) Of my belief both true and correct.

Signed Date

Name.....

Position.....

Bidder.....

.

COMPANY INFORMATION:

HEAD OFFICE	
Physical address Building: Street: Suburb: City/Town: Province District/Metropolitan Council: Local Municipality:	
Postal address	
Telephone no.	
Fax no.	
E-mail	
If subsidiary company- state name of holding company	

DETAILS OF BRANCH OFFICES:

BRANCH OFFICE	
Physical address Building: Street: Suburb: City/Town: Province District/Metropolitan Council: Local Municipality:	
Postal address	
Telephone no.	
Fax no.	
E-mail	
If subsidiary company- state name of holding company	

5. EVALUATION CRITERIA

Proposals documents will be evaluated in two phases. The evaluation criteria for the assessment of the proposals will be on mandatory returnable documents, functionality and financial aspects.

In the first phase:

Bids will be evaluated on mandatory returnable documents as listed and required in the document.

In the second phase:

Proposals will be evaluated according to the functionality criteria indicated apart from those laid down in the preferential procurement regulations, 2022 pertaining to the preferential procurement policy framework Act 5 of 2000. Bidders are expected to score a minimum of **85%** to be ACCEPTED:

QUALITY / FUNCTIONALITY EVALUATION OF THE PROPOSALS:

EVALUATION CRITERIA

5.1 Part 1 – Technical Evaluation

No.	Criteria	Guidelines for criteria application	Min. Points	Max. Points	Verification method
5.1.1	Track record and experience	Have these services been provided to major institutions within the past five years? A minimum of two (2) reference letters will be accepted as proof. a) Two (2) letters = 10 points b) Three (3) letters = 20 points	10	20	Reference letters on the company's letterhead, stamped and signed by the duly authorized company representative.
5.1.2	Quality and compliance to requirements as specified in the technical specifications	Submit proof of SANS certificates as per the Scope of Work = 10 points Eskom certification on each item to be supplied = 5 points	15	15	SANS Certificates and ESKOM Certification for each meter type.
5.1.3	Local (Mangaung) operational and economic investment	Does the bidder have a local office with operational capability? (a) Existing and established local office = 10 points (b) If not, but within RSA = 5 points	5	10	Municipal tax and rates account or a lease agreement contract with statement of account
	TOTAL		30	40	

A bidder who gets a minimum of 30 points and above will qualify to stage 2 of the evaluation criteria below, for the live demonstration. The bidder must score minimum points as follows:

Item 5.1.1: Minimum points = 10

Item 5.1.2: Minimum points = 15

Item 5.1.3: Minimum points = 5

5.2 Part 2 – Live Demonstration

5.2.1	Capability – Live Demonstration	<p>Samples to be supplied to CENTLEC evaluation committee to prove functionality as per the specified requirements:</p> <ul style="list-style-type: none"> a. Single-Phase Smart Prepaid Meter with 4G+G3-PLC multi-communication module= 10 points b. Three-Phase Smart Prepaid Meter with 4G+G3-PLC multi-communication module= 10 points c. High-Current CT-Connected Prepaid Metering Device (any current rating 200A-800A) = 20 points d. Data Concentrators (both multi-brand and single-brand compatible) = 10 points e. CIU able to communicate with the meter when power is off = 5 points 	55	55	Samples of all the requested items and demonstration of all the requested functionalities.
	TOTAL		55	55	

A bidder who gets a minimum of 55 points and above will qualify to the next stage. The bidder must score minimum points as follows:

Item 5.2.1: Minimum points = 55

A bidder who gets a minimum of 85 points for both Technical Evaluation and Live Demonstration and above will qualify to the next stage.

6. SCOPE OF WORK

6.1. BACKGROUND

CENTLEC hereby invites bidders to supply smart prepaid electrical meters with split customer interface units (CIUs), concentrators, and high-current CT-connected metering devices for a thirty-six (36) month contract period.

The procurement includes:

- Single-phase and three-phase split-type smart meters with 4G+G3+PLC multi-communication modules
- High-current CT-connected prepaid metering devices (200A to 800A)
- Customer Interface Units (CIUs) with dual communication capabilities
- Data Concentrator Units (DCUs) for mesh network deployment
- Complete integration with CENTLEC's existing AMI infrastructure
- Custom-designed universal communication modem solution

These meters will be deployed across the Greater Mangaung area, comprising Bloemfontein, Botshabelo, Thaba Nchu, Dewetsdorp, Wepener, and Van Stadensrus, and must support both prepaid and credit modes with Time-of-Use functionality.

6.2. OBJECTIVES

The overall objective is to procure and deploy a comprehensive smart metering solution that enables:

- **Advanced Metering Infrastructure (AMI):** Remote monitoring, control, and automated data collection across all customer segments
- **Flexible Communication Architecture:** Hybrid deployment using both concentrator-based mesh networks and direct cellular connectivity
- **System Compatibility:** Seamless integration with CENTLEC's existing AMI head-end system and infrastructure
- **Operational Efficiency:** Enhanced meter reading, billing accuracy, and customer service capabilities

- **Future-Proofing:** Scalable solution supporting CENTLEC's infrastructure modernization goals

The thirty-six (36) month contract will support CENTLEC's transition to advanced metering infrastructure while maintaining cost-effectiveness and operational reliability.

6.3. SCOPE OF WORK

The scope of this procurement encompasses the supply, delivery, installation support, and ongoing maintenance of a complete smart metering ecosystem including:

6.3.1. Smart Metering Equipment

Split-Type Smart Meters:

- Single-phase smart prepaid meters (5-80A) with separate MCU and CIU
- Three-phase smart prepaid meters (5-100A and 5-160A) with separate MCU and CIU
- All meters equipped with 4G+G3-PLC multi-communication modules for maximum deployment flexibility
- IP54 environmental protection and full STS compliance (NRS 009 and SANS 1524)

High-Current CT-Connected Metering Devices:

- Complete cabinet solutions for 200A, 300A, 500A, and 800A applications
- Class 0.5S accuracy meters with integrated CT connections
- Suitable for large commercial, industrial, and institutional customers
- 4G communication with comprehensive tamper protection

6.3.2. Communication Infrastructure

Multi-Communication Capability: The meters shall support CENTLEC's hybrid communication architecture through integrated 4G+G3-PLC modules enabling:

- **G3-PLC mesh networking** via concentrators for cost-effective dense deployments
- **4G cellular connectivity** for direct communication in sparse or remote areas
- **Automatic failover** between communication methods based on network availability

AMI System Integration:

- Full compatibility with CENTLEC's existing AMI head-end system
- Support for DLMS/COSEM and IEC 1107 protocols (mandatory)
- Real-time bidirectional communication for meter reading, control, and parameter updates
- Integration with existing meter brands where concentrators are deployed

6.3.3. Customer Interface and Control

Advanced Customer Interface Units (CIUs):

- Separate display units with dual communication paths (PLC + alternative method)
- 255-character graphical display with backlit capability
- Real-time consumption monitoring, cost tracking, and tariff information
- Plug & Play compatibility across all meter types

Remote Control Capabilities:

- Remote disconnection/reconnection of supply
- Load control and demand management
- Tariff updates and parameter configuration
- Token management for prepaid customers

6.3.4. Data Concentrator Requirements

Multi-Brand Compatibility: Concentrators must interface with both new meters supplied under this contract and existing CENTLEC meter infrastructure. Where direct compatibility is not possible, bidders must provide:

- Protocol translation or gateway solutions
- Successful integration demonstration with existing meter brands
- Complete compatibility documentation and testing results

Dual Concentrator Options:

- **Multi-brand concentrators:** Compatible with existing CENTLEC infrastructure and multiple meter brands
- **Single-brand concentrators:** Optimized for bidder's own meters only (cost-effective option)

6.3.5. Software and Programming Tools

Meter Programming and Management:

- Comprehensive meter programming software with lifetime access license
- Optical communication tools for local meter configuration and reading
- Automatic software updates downloadable from manufacturer's website
- Multi-user licensing for CENTLEC technical staff

Integration Support:

- Open protocol documentation for non-compatible meters
- API development for CENTLEC system integration
- Training and technical support for software implementation

6.3.6. Quality Assurance and Support

Testing and Certification:

- Factory calibration and testing certificates for all equipment
- Compliance verification with SANS and IEC standards
- On-site commissioning and system integration testing

Warranty and Maintenance:

- Minimum two-year manufacturer warranty on all equipment
- Technical support and maintenance services
- Spare parts availability and replacement guarantees

6.3.7. Implementation and Training

Deployment Support:

- Technical assistance for system design and deployment planning
- On-site installation guidance and commissioning support
- System integration testing and performance verification

Training and Documentation:

- Comprehensive technical documentation and user manuals
- Training programs for CENTLEC technical and operational staff
- Ongoing technical support and consultation services

● This comprehensive scope ensures CENTLEC receives a complete, integrated smart metering solution that supports both current operational requirements and future infrastructure expansion needs.

6.4. TECHNICAL SPECIFICATIONS

6.4.1. ELECTRICAL ENERGY METERS

6.4.1.1. Single-Phase Smart Prepaid Meters

6.4.1.1.1. Physical Characteristics

● The meter shall be manufactured in accordance with BS standard footprint for single-phase meters. Anti-tamper protection shall be implemented through sealed enclosures covering the active unit, connections, and breaker/contact switch using plastic seals, lead seals, or sealing wire.

6.4.1.1.2. Tamper Protection Requirements

- Immediate tamper detection upon seal breakage or meter opening
- Automatic internal disconnection upon tamper detection
- Tamper flag indication on display
- Reset capability restricted to engineering code access only

- IP54 rating for environmental protection and insect prevention

6.4.1.1.3. General Characteristics

Automatic Disconnection Events: The meter shall automatically disconnect supply under the following conditions:

- Credit expiry (prepaid mode)
- Current exceeding programmed rated current limit
- Tampering attempts or seal breakage

Core Specifications:

- Energy measurement: kWh consumption
- Rated current: 60A (programmable), 80A (maximum specification)
- STS compliance: Full adherence to NRS 009 and SANS 1524 standards
- Pre-loaded credit: 8 units upon delivery

Mandatory Features:

- Programmable load limiting (amperage-based power limits)
- Front panel tamper indication
- Automatic keypad and trip test functionality
- Real-time credit balance display (kWh)
- Cumulative energy consumption tracking (kWh)
- Transaction counter
- Breaker status indicator (On/Off)
- Meter identification and software version display
- Remote reset capability for credit-depleted meters

Quality Assurance:

- Test certificates required for each consignment showing percentage error per meter
- Calibration authority documentation for test equipment accuracy verification
- No consignment acceptance without accompanying test certificates

6.4.1.1.4. Technical Specifications

Parameter	Specification
Phase Configuration	Single
Voltage Range	230V ($\pm 20\%$ variation: 184V-276V)
Current Range	Basic: 5A, Maximum: 80A
Starting Current	0.4%I _b ($\leq 400\text{mA}$ @ 80A)
Frequency	50Hz $\pm 5\%$
Accuracy Standards	IEC 62053-21:2003 (Active: Class 1), IEC 62053-23:2003 (Reactive: Class 2)
Power Factor Range	0.5L to 0.8C
Ingress Protection	IP54 rating
Product Life	15 years design life (10 years certified)
Power Consumption	Voltage circuit: $\leq 2\text{W}$, $\leq 10\text{VA}$; Current circuit: $\leq 4\text{VA}$
Insulation	4kV RMS 50Hz
Impulse Withstand	8kV 1.2/50 μs
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Display	6+2 digits (MCU and CIU)
Communication Options	4G+G3-PLC multi-communication module
Communication Protocol	DLMS/COSEM mandatory

6.4.1.1.5. Split-Type Design Requirements

MCU (Meter Control Unit) Requirements:

- All measurement and control functions
- Tamper detection and security
- Communication module housing
- Supply control relay (100A minimum rating)
- Event logging and data storage
- Real-time clock with backup battery

CIU (Customer Interface Unit) Requirements:

- 6+2 digit LCD display
- 16-button keypad for token entry
- LED indicators for status
- Communication with MCU via PLC or dedicated wire
- Backup battery for display during power outages
- Dimensions approximately: 88mm x 140mm x 37.5mm

6.4.1.1.6. Meter Communication Ports

Port	Function
P1	Main communication to server via communications module
P2	Local optical port for meter reading, setup, and configuration
P3	Communication with in-house display module
P4	Communication with disconnect devices

6.4.1.1.7. Communication Architecture

L1: Server to Concentrator Communications

- Physical Medium: Fiber optic, WiMAX, 4G/5G, internet connectivity
- Communication Protocol: TCP/IP
- Metering Protocol: DLMS/COSEM

L2: Concentrator to Meter Communications

- Physical Medium: G3-PLC mesh network
- Communication Protocol: IEEE 802.15.4g or equivalent G3-PLC standard
- Metering Protocol: DLMS/COSEM

L3: Meter to Display Communications

- Physical Medium: Bluetooth Low Energy (BLE), PLC, or dedicated communication wire
- Protocol: Open standard (Bluetooth 4.0+ for wireless, proprietary for wired)
- Range: 10+ meters for Bluetooth connectivity
- Security: Encrypted communication with device authentication

L4: Meter to Load Control Communications

- Physical Medium: RF or PLC
- Protocol: Open standard

L5: Alternative Communication Paths

- Physical Medium: 4G cellular network
- Communication Protocol: TCP/IP over cellular
- Metering Protocol: DLMS/COSEM

6.4.1.2. Three-Phase Smart Prepaid Meters

6.4.1.2.1. Physical characteristics

Split-Type Design Requirements: The meter shall be of split-type design consisting of:

- **MCU (Meter Control Unit):** Main metering unit containing measurement circuits, communication modules, and control relays
- **CIU (Customer Interface Unit):** Separate customer display and keypad unit for user interaction

The MCU shall be manufactured in accordance with BS standard footprint for three-phase meters. Anti-tamper protection shall be implemented through sealed enclosures covering the active unit, connections, and breaker/contact switch using plastic seals, lead seals, or sealing wire.

Tamper Protection Requirements:

- Immediate tamper detection upon seal breakage or meter opening
- Automatic internal disconnection upon tamper detection
- Tamper flag indication on both MCU and CIU displays
- Reset capability restricted to engineering code access only
- IP54 rating for environmental protection and insect prevention

6.4.1.2.2. General Characteristics

Automatic Disconnection Events: The meter shall automatically disconnect supply under the following conditions:

- Credit expiry (prepaid mode)
- Current exceeding programmed rated current limit on any phase
- Tampering attempts or seal breakage
- Overdraft consumption when no remaining energy (if permitted by local utilities)
- Phase loss detection and protection

Core Specifications:

- Energy measurement: Three-phase active and reactive energy (kWh and kVArh)
- Basic current options: 5A/10A/15A/20A (programmable)
- Maximum current: 100A per phase (standard), 160A per phase (high-current option)
- Starting current: $\leq 0.4\%I_b$ for active energy, $\leq 0.1\%I_n$ for reactive energy

- STS compliance: Full adherence to NRS 009 and SANS 1524 standards
- Pre-loaded credit: 8 units upon delivery
- Dual mode operation: Switchable between prepaid and post-paid modes
- Power factor measurement: 0.5L to 0.8C range

Advanced Three-Phase Features:

- Individual phase monitoring and control
- Phase sequence detection
- Voltage and current unbalance monitoring
- Maximum demand measurement per phase and total
- Load control and demand management per phase
- Low credit warning with configurable thresholds
- Multi-tariff support (minimum 4 tariffs, 12 season tables, 8 week tables)
- Time-of-Use (TOU) functionality with special day programming
- Load profiling capability (configurable intervals)
- Event recording and alarm management
- Remote connect/disconnect capability
- Overdraft functionality (configurable)
- Backup battery for real-time clock and memory retention

Quality Assurance:

- Test certificates required for each consignment showing percentage error per meter
- Calibration authority documentation for test equipment accuracy verification
- No consignment acceptance without accompanying test certificates

6.4.1.2.3. Technical Specifications

Parameter	Specification
Phase Configuration	Three-phase, four-wire
Voltage Range	3×57.7/100V to 3×240/415V
Nominal Voltage	3×230/400V
Voltage Variation	±20% of nominal
Current Range	Basic: 5A/10A/15A/20A, Maximum: 100A (standard), 160A (optional)
Starting Current	Active: ≤0.4%I _b , Reactive: ≤0.1%I _n
Frequency	50Hz ±5%
Accuracy Standards	Active: IEC 62053-21 Class 1, Reactive: IEC 62053-23 Class 2
Power Factor Range	0.5L to 0.8C

Ingress Protection	IP54 rating
Product Life	15 years design life (10 years certified)
Power Consumption	Voltage circuit: $\leq 2\text{W}$ per phase, $\leq 10\text{VA}$; Current circuit: $\leq 4\text{VA}$ per phase
Insulation	4kV RMS 50Hz
Impulse Withstand	8kV 1.2/50 μs
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Display	6+2 digits (MCU and CIU)
Communication Options	Optical, RS485, PLC/RF/GPRS/3G/4G (configurable combinations)
Communication Protocol	DLMS/COSEM mandatory
Relay Rating	100A per phase minimum (160A for high-current option)

6.4.1.2.4. Split-Type Design Requirements

MCU (Meter Control Unit) Requirements:

- All measurement and control functions for three phases
- Individual phase tamper detection and security
- Communication module housing
- Supply control relays for each phase (100A minimum rating each)
- Phase loss detection and protection
- Event logging and data storage with timestamp
- Real-time clock with backup battery
- Voltage and current monitoring per phase
- Power quality monitoring capabilities

CIU (Customer Interface Unit) Requirements:

- 6+2 digit LCD display
- 16-button keypad for token entry and navigation
- LED indicators for status (power, credit, alarms, communication)
- Multi-language display capability
- Communication with MCU via PLC or dedicated wire
- Backup battery for display during power outages (minimum 24 hours)
- Phase status indication
- Tariff period display
- Dimensions approximately: 88mm x 140mm x 37.5mm

6.4.1.2.5. Meter ports

Port	Function
P1	Main communication to server via communications module
P2	Local optical port for meter reading, setup, and configuration
P3	Communication with customer interface unit (CIU)
P4	Communication with load control and disconnect devices
P5	RS485 interface for local communication networks

6.4.1.2.6. Communication Architecture

L1: Server to Concentrator Communications

- Physical Medium: Fiber optic, WiMAX, 4G/5G, internet connectivity
- Communication Protocol: TCP/IP
- Metering Protocol: DLMS/COSEM

L2: Concentrator to Meter Communications

- Physical Medium: G3-PLC mesh network
- Communication Protocol: IEEE 802.15.4g or equivalent G3-PLC standard
- Metering Protocol: DLMS/COSEM

L3: Meter to Display Communications

- Physical Medium: PLC or dedicated communication wire
- Protocol: Proprietary secure protocol
- Range: Up to 100 meters separation between MCU and CIU
- Security: Encrypted communication with device authentication

L4: Meter to Load Control Communications

- Physical Medium: RF or PLC
- Protocol: Open standard

L5: Alternative Communication Paths

- Physical Medium: 4G cellular network
- Communication Protocol: TCP/IP over cellular
- Metering Protocol: DLMS/COSEM

6.4.1.3. Three-Phase High Current CT-Connected Prepaid Metering Devices

6.4.1.3.1. General Description

Complete metering solutions for high current applications requiring Current Transformer (CT) connections. These units are designed for Large Power Users (LPU), commercial buildings, industrial facilities, and other high-demand installations where direct connection meters are not suitable.

6.4.1.3.2. System Components

Complete Metering Cabinet Including:

- Three-phase CT-connected smart prepaid meter (Class 0.5S accuracy)
- Current transformers (CT ratio as specified per application)
- Wiring terminal blocks and test terminal blocks (TTB)
- Circuit breaker and auto-recloser (for prepaid applications)
- Communication module (4G/5G)
- Optional Customer Interface Unit (CIU/UIU) for credit recharge
- All necessary wiring and interconnections

6.4.1.3.3. Available Current Ratings

Rating	CT Ratio	Cabinet Dimensions (L×W×D)	Weight	Application
200A	200/5	725×252×170mm	~15kg	Small commercial/industrial
300A	300/5	700×480×210mm	~23kg	Medium commercial facilities
500A	500/5	1000×800×250mm	~54kg	Large commercial/industrial
800A	800/5	1000×800×250mm	~57kg	Major industrial installations

6.4.1.3.4. Technical Specifications

Electrical Parameters:

- **Operating Voltage:** 220/380V (3-phase, 4-wire)
- **Rated Insulation Voltage:** AC250/690V
- **Rated Impulse Withstand:** 6kV/8kV
- **Frequency:** 50Hz
- **Accuracy Class:** 0.5S (high accuracy for commercial billing)
- **Current Range:** 16A-800A (via CT connection)
- **Connection Method:** Three phases and five lines

Environmental Specifications:

- **Operating Temperature:** -15°C to +45°C (average $\leq 35^{\circ}\text{C}$ over 24h)
- **Storage Temperature:** -40°C to +70°C
- **Operating Humidity:** $\leq 90\%$ at 25°C
- **Altitude:** ≤ 2000 meters
- **Protection Level:** IP54 (complete cabinet)
- **Pollution Grade:** Grade 3
- **Cabinet Material:** Stainless steel 201
- **Installation:** Horizontal mounting (inclination $\leq 5^{\circ}$)

6.4.1.3.5. Meter Functionality

Core Prepaid Features:

- STS token-based prepaid operation
- DLMS/COSEM protocol compliance
- Dual mode: Prepaid and post-paid switching capability
- Remote tariff updates and parameter configuration
- Multi-tariff support (up to 4 tariffs, TOU functionality)
- Load control and demand management
- Remote connect/disconnect capability

Advanced Metering Features:

- Bi-directional energy measurement (import/export)

- Active, reactive, and apparent energy measurement
- Maximum demand measurement and recording
- Load profiling with configurable intervals
- Power quality monitoring (voltage, frequency, phase angles)
- Comprehensive event logging (minimum 300 events)
- Tamper detection and penalty measurement options

Data Storage and Communication:

- Non-volatile memory with 10-year battery backup
- 12 billing periods of historical data storage
- Real-time bidirectional communication
- 4G/5G network capability
- RS485 communication port
- Optical communication port for local access

6.4.1.3.6. Terminal Block (TTB) Specifications

- **Connection Type:** Front accessible
- **Cover:** Clear polycarbonate
- **Terminal Configuration:**
 - Three voltage terminals plus neutral
 - Three current terminals per phase
 - Two shunt links per current terminal per phase
- **Terminal Hole Diameter:** 9mm
- **Voltage Rating:** 550V
- **Current Rating:** 100A per terminal

6.4.1.3.7. Communication and Integration

Communication Capabilities:

- **Primary:** 4G/5G cellular

- **Local:** RS485 interface for local networks
- **Service:** Optical port for handheld programming devices
- **Protocol Support:** DLMS/COSEM, IEC 1107, Modbus RTU

AMI System Integration:

- Compatible with CENTLEC's existing AMI head-end system
- Support for remote meter reading and parameter configuration
- Real-time alarm and event notification
- Integration with billing and customer management systems

6.4.1.3.8. Installation and Safety Requirements

Electrical Safety:

- Separate chambers for meter and CT components
- Comprehensive tamper detection and protection
- Automatic disconnection on safety violations
- Sealable and lockable cabinet design
- Professional installation required for CT connections

Quality Assurance:

- Factory testing and calibration certificates required
- CT ratio verification and accuracy testing
- Complete system functional testing before delivery
- Two-year manufacturer warranty on complete system
- On-site commissioning and testing support

6.4.1.3.9. Application Guidelines

Suitable Applications:

- Large commercial buildings and shopping centres
- Industrial facilities and manufacturing plants
- Large residential complexes and apartment buildings
- Any installation requiring >160A three-phase supply

Selection Criteria:

- Choose current rating based on transformer capacity and expected load
- Consider future expansion requirements when selecting CT ratio
- Ensure adequate cabinet space for installation and maintenance access
- Verify communication coverage for cellular connectivity options

6.4.2. OPERATIONAL REQUIREMENTS OF METERS

6.4.2.1. PAYMENT MODE FLEXIBILITY

All meters must support seamless configuration between prepayment and post-payment (credit) operating modes through software programming.

6.4.2.2. DATA STORAGE AND RETRIEVAL REQUIREMENTS

The following data shall be stored locally and retrievable via remote communication:

Energy Data:

- Total energy consumption
- Time-of-Use period energy breakdown
- Import/export energy measurements

System Monitoring:

- Status alarms for data integrity verification
- Event logging (token entries, configuration changes)
- Tamper detection records
- Supply outage documentation
- Master station load control override events

Power Quality Monitoring:

- Over/under voltage events with configurable limits ($\pm 5\%$ to $\pm 15\%$ of nominal)
- Sustained voltage deviation recording (1-3600 second configurable duration)
- Event timestamps (start and end times)
- Minimum voltage recording during under-voltage events
- Phase-specific fault identification (three-phase meters)
- Disconnect/reconnect event logging

6.4.2.3. COMMUNICATION REQUIREMENTS

6.4.2.3.1. Network Architecture

CENTLEC's AMI system employs a **hybrid communication architecture** optimized for different deployment scenarios:

Primary Architecture - Concentrator-Based (Dense Areas):

- **AMI Head-End System → 4G/5G Network → Data Concentrator Unit (DCU) → PLC Communication → Individual Meters**
- DCUs serve as communication hubs for multiple meters (50-250 meters per DCU)
- Cost-effective for high-density meter deployments
- Single 4G/5G connection per DCU reduces ongoing communication costs

Secondary Architecture - Direct Connectivity (Sparse/Remote Areas):

- **AMI Head-End System → 4G/5G Network → Individual Meters** (direct connection)
- Each meter has integrated 4G/5G modem
- Optimal for scattered installations where concentrator deployment is not economical
- Provides maximum reliability for critical or remote installations

Deployment Strategy:

- **Dense urban areas:** Concentrator-based architecture (Primary)
- **Suburban areas:** Mixed deployment based on meter density analysis
- **Rural/remote areas:** Direct connectivity architecture (Secondary)
- **Critical installations:** Direct connectivity for enhanced reliability

The communication infrastructure leverages existing 4G/5G cellular networks as the primary

backbone, with CENTLEC's fibre optic network providing redundant connectivity to the AMI head-end system where available.

6.4.2.3.2. Supported Communication Media

Primary (Preferred):

- 4G/5G networks
- LTE (Long Term Evolution)

Secondary Options:

- GSM 900/1800 with GPRS
- GPRS/3G networks
- TCP/IP over various media
- ADSL connections

6.4.2.3.3. Communication Protocols

Mandatory Standards:

- DLMS/COSEM (IEC 62056) - Device Language Message Specification
- IEC 1107 (EN61107) - Local data exchange standard

Optional Protocols:

- SCTM (Substation Configuration Description Language)
- FNP (Fieldbus Network Protocol)
- IEC 870-5-102
- Modbus RTU
- DNP3 (Distributed Network Protocol)

6.4.2.4. Customer Interface Unit (CIU) – Requirements

6.4.2.4.1. Compatibility and Installation

- Plug & Play functionality with cross-compatibility between single-phase and three-phase meters of same manufacturer
- Interchangeable design for simplified maintenance and replacement

6.4.2.4.2. Display Specifications

Physical Requirements:

- Graphical display capable of 255-character messages
- Minimum digit height: 4mm for optimal readability
- Backlit display for low-light conditions (preferred)
- IP54 environmental protection rating

User Interface:

- Color-coded indicators for active tariff rate identification
- Silicon rubber navigation buttons for durability
- Intuitive menu navigation system

6.4.2.4.3. Functional Capabilities

Communication Options: The CIU shall support multiple communication methods to ensure reliable connectivity with the meter:

Primary Communication Methods (minimum two required):

- Bluetooth Low Energy (BLE) communication (preferred for reliability)
- Dedicated communication wire between meter and CIU
- Power line communication (PLC) via existing electrical wiring

Communication Requirements:

- **Redundancy:** Minimum two communication methods must be supported per meter/CIU pair
- Automatic fallback capability between available communication methods
- Primary/secondary communication method configuration
- Real-time communication status monitoring and reporting
- Signal strength indication for wireless communication methods
- Configuration interface for meter information setup and communication method selection
- Continuous operation during supply disconnection (minimum 24-hour battery backup for wireless communication)
- Communication range: minimum 10 meters for Bluetooth connectivity
- Pairing security: encrypted communication with authentication protocols

Technical Specifications for Bluetooth Communication:

- Protocol: Bluetooth Low Energy (BLE) 4.0 or higher

- Operating frequency: 2.4 GHz ISM band
- Power consumption: Ultra-low power operation to extend battery life
- Connection establishment: Automatic pairing with designated meter
- Data update interval: Configurable from 1 second to 5 minutes
- Security: AES-128 encryption minimum

Display Features:

- Appliance switching status indication
- Graphical consumption and cost trending (daily, weekly, monthly)
- Real-time energy and cost information

6.4.2.4.4. Warranty and Support

- Two-year manufacturer warranty per batch
- No-cost replacement during warranty period for defective units

6.4.2.4.5. Display Information Matrix

Information Type	Meter Display	CIU Display
Identification		
Meter serial number	✓	✓
Date and time	✓	✓
Energy Consumption		
Off-peak kWh (import)	✓	✓
Peak kWh (import)	✓	✓
Total kWh (import)	✓	✓
Off-peak kWh (export)	✓	✓
Peak kWh (export)	✓	✓
Total kWh (export)	✓	✓
Reactive Energy		
kVAh (all quadrants 1-4)	✓	✓
Demand and Cost		
Current demand (kW)	✓	✓
Current tariff period	✓	✓
Interval energy consumption	X	✓
Energy cost (current month)	X	✓
Energy cost (previous interval)	X	✓

6.4.3. CONCENTRATOR SPECIFICATIONS

6.4.3.1. Electrical Specifications

Parameter	Specification
Power Supply	
Reference voltage	$3 \times 230/400V$
Voltage range	$0.8 \text{ to } 1.15 \times U_{ref}$
Frequency	$50Hz \pm 5\%$
Power Consumption	
Voltage circuit	$\leq 10VA$
Current circuit	$\leq 2.5VA$

6.4.3.2. Communication Interfaces

Interface Type	Standard/Protocol	Application
Local Interfaces		
Optical (IR)	IEC 62056-21	Local configuration
RS485	ISO-8482	Local communication
RS232	Standard	Service interface
USB	Standard	Software downloads
Network Interfaces		
PLC	Custom	Meter data collection
GPRS	DL/T 645-2007	Remote communication
LAN	Standard (optional)	Network connectivity
Radio Frequency	Standard	Wireless communication

6.4.3.3. Physical Specifications

- **Weight:** Approximately 3.3kg
- **Dimensions:** 290 × 180 × 95mm (L×W×D)
- **Mounting:** Surface mounted installation

6.4.3.4. CONCENTRATOR OPERATIONAL REQUIREMENTS

6.4.3.4.1. Compatibility Requirements

Primary Requirement: Concentrators must interface with both new meters supplied under this contract and existing meters currently deployed in CENTLEC's infrastructure.

The concentrator must be capable of communicating with the existing meter fleet through standard protocols and communication methods.

Alternative Compliance: Where the bidder's concentrator cannot directly communicate with CENTLEC's existing meter infrastructure, the bidder must:

- Identify and source compatible concentrators that can interface with the existing meter fleet
- Provide protocol translation or gateway solutions to enable communication
- Demonstrate successful integration capability with existing meters
- Supply all necessary hardware and software for seamless integration

Integration Requirements:

- Support for standard metering protocols (DLMS/COSEM, IEC 1107, etc.)
- Multi-protocol capability to handle different meter communication standards
- Backward compatibility with legacy meter communication methods
- Seamless data collection from both new and existing meters within the same network

6.4.3.4.2. User Interface Specifications

Display Requirements:

- Graphical display supporting 255-character messages
- Minimum 4mm digit height
- Backlit display capability (preferred)
- Color-coded connectivity status indicators
- Silicon rubber navigation buttons

Operational Features:

- Continuous operation during power disconnection
- Power line communication with connected meters
- Back-end system communication as per section 6.3.2.3

6.4.3.4.3. Quality Assurance

- Two-year manufacturer warranty per batch
- No-cost replacement during warranty period
- IP54 environmental protection rating compliance

6.4.4. SOFTWARE AND PROGRAMMING REQUIREMENTS

6.4.4.1. Meter Programming Software

- Complete meter configuration software with optical and remote communication capability
- Multi-user licensing with lifetime access and automatic updates from manufacturer website
- Functionality: Tariff programming, TOU settings, token management, firmware updates, data export
- Windows 10/11 compatible with API support for CENTLEC system integration

6.4.4.2. Concentrator Management Software

- Network management tools for mesh topology optimization and real-time monitoring
- Device configuration, firmware updates, and performance diagnostics
- Communication testing and troubleshooting capabilities
- Integration with meter programming software

6.4.4.3. AMI Integration and Communication Tools

- Complete protocol drivers for CENTLEC's AMI head-end system (DLMS/COSEM, IEC 1107)
- Optical communication hardware and software package with USB interface
- Real-time data exchange and billing system integration capability
- Handheld programming devices for field operations

6.4.4.4. Training and Support

- On-site training for CENTLEC staff (minimum 5 days)
- Complete documentation, user manuals, and API documentation
- Lifetime software access with free downloads from manufacturer website
- Technical support for software and programming issues
- Guarantee of continued software availability and compatibility

6.4.5. NORMATIVE REFERENCES

Document	Title
Standards containing prescriptive references	
SANS/IEC 62052-31	Electricity metering equipment (a.c) – General requirements, tests and test conditions – Part 31: Metering equipment.
SANS/IEC 62052-21	Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment
SANS/IEC 62052-21	Electricity metering equipment (a.c) – Particular requirements: Static meters for active energy (classes 1 and 2)
SANS/IEC 62053-23	Electricity metering equipment (a.c) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3).
SANS/IEC 62055-41	Electricity metering – Payment systems – Part 41: Standard transfer specification (STS) – Application layer protocol for one-way token carrier systems.

Document	Title
Standards containing prescriptive references	
SANS/IEC 62055-51	Electricity metering – Payment systems – Part 51: Standard transfer specification (STS) – Physical layer protocol for one-way numeric and magnetic card token carriers
SANS/IEC 62055-52	Electricity metering – Payment systems – Part 52: Standard transfer specification (STS) – Physical layer protocol for two-way virtual token carrier for direct local connection
SANS/IEC 62056-21	Electricity metering – Data exchange for meter reading, tariff and load control – Part 21: Direct local data exchange.
NRS 096-1	Electricity metering – Ancillary specifications – Part 1: The sealing of electricity meters.
IEEE 802.16	Broadband wireless Metropolitan Area Networks (MANs)
SANS/IEC 62051	Electricity metering – Glossary of terms.
SANS 164-1	Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 1: Conventional system, 16 A 250 V a.c.
SANS 474 (NRS 057)	Code of practice for electricity metering.
SANS 1524-1	Electricity payment systems – Part 1: Prepayment meters.

Document	Title
Standards containing prescriptive references	
SANS/IEC 61334	Distribution automation using distribution line carrier systems – Parts 1,3,4,5 and 6
SANS/IEC 62054-21	Electricity metering (a.c.) – Tariff and load control – Part 21: Particular requirements for time switches.
SANS/IEC 62058-31	Electricity metering equipment (a.c) – Acceptance inspection – Part 31: Particular requirements for static meters for active energy (class 0,5; 1 and 2). (Replacing IEC 6135)
SANS/IEC 60529	Degrees of protection provided by enclosures (IP Code).

7. UNIVERSAL COMMUNICATION MODEM SOLUTION

7.1. BACKGROUND AND REQUIREMENT

CENTLEC currently operates a diverse fleet of existing prepaid meters from multiple manufacturers deployed across the Mangaung Metro area. These meters, while functional for basic prepaid operations, lack integrated communication capabilities required for Advanced Metering Infrastructure (AMI) implementation.

CENTLEC requires a **custom-designed universal communication modem solution** that can retrofit existing meters to enable remote communication, monitoring, and control capabilities without requiring meter replacement.

7.2. OBJECTIVES

The primary objective is to develop and supply a tailored communication solution that:

- Enables AMI functionality for existing non-communicating meters
- Provides cost-effective alternative to complete meter replacement
- Integrates seamlessly with CENTLEC's AMI head-end system
- Supports both data collection and remote-control capabilities
- Ensures compatibility across multiple existing meter brands

7.3. EXISTING METER INFRASTRUCTURE

7.3.1. Current Meter Fleet Characteristics:

- Multiple manufacturer brands with varying communication interfaces
- Predominantly optical port communication capability
- STS token-based prepaid functionality
- Standard meter data outputs (energy consumption, status, events)
- Tamper detection and basic alarm capabilities
- Age range: 2-10 years (functional meters not requiring replacement)

7.4. UNIVERSAL MODEM SOLUTION REQUIREMENTS

7.4.1. TECHNICAL SPECIFICATIONS

7.4.1.1. Communication Interfaces (Meter Side):

- Optical communication port interface (IEC 62056-21 standard)
- RS485/RS232 serial communication capability
- Pulse output interface for energy measurement
- Digital I/O for status and control signals
- Power supply interface (meter-powered or external)

7.4.1.2. Communication Interfaces (Network Side):

- 4G/5G cellular communication (primary)
- Ethernet interface (where available)

- Wi-Fi capability (optional)
- External antenna connections

7.4.1.3. Protocol Support:

- DLMS/COSEM protocol conversion and translation
- IEC 1107 protocol support
- Modbus RTU/TCP compatibility
- STS token relay capability
- Custom protocol translation as required

7.4.2. FUNCTIONAL REQUIREMENTS

7.4.2.1. Data Collection Capabilities:

- Automated meter reading (energy consumption, demand, power quality)
- Event and alarm data retrieval
- Meter status monitoring
- Historical data collection and storage
- Real-time data transmission

7.4.2.2. Control Capabilities:

- Remote connect/disconnect functionality
- Load control and demand management
- Parameter configuration and updates
- Firmware upgrade capability (where supported by meter)
- Time synchronization

7.4.2.3. Integration Features:

- Seamless integration with CENTLEC AMI head-end system
- Data format standardization across different meter brands
- Protocol translation and data mapping
- Event notification and alarm management
- Billing data preparation and validation

7.4.3. PHYSICAL AND ENVIRONMENTAL REQUIREMENTS

7.4.3.1. Design Specifications:

- Compact form factor suitable for existing meter installations
- Weather-resistant enclosure (IP65 rating minimum)
- Operating temperature range: -20°C to +60°C
- Vibration and shock resistance for outdoor installation
- UV-resistant materials for South African climate conditions

7.4.3.2. Installation Requirements:

- Plug-and-play installation with minimal wiring
- Universal mounting options for various meter types
- Cable management and strain relief
- Tamper-evident design with security features
- LED indicators for status monitoring

7.4.4. POWER REQUIREMENTS

7.4.4.1. Power Supply Options:

- Primary: Powered from meter auxiliary output (where available)
- Secondary: External power supply (solar/battery backup)
- Low power consumption design (<5W typical)
- Sleep mode functionality for power conservation
- Battery backup for critical functions (minimum 24 hours)

7.5. CUSTOM DEVELOPMENT REQUIREMENTS

7.5.1. CENTLEC-SPECIFIC CUSTOMIZATION

7.5.1.1. Brand-Specific Protocol Development:

Bidders must demonstrate capability to develop custom protocol interfaces for:

- Each existing meter brand in CENTLEC's fleet
- Specific meter models and firmware versions

- Custom data mapping and conversion requirements
- Brand-specific command and control protocols

7.5.1.2. AMI System Integration:

- Custom integration with CENTLEC's existing AMI head-end platform
- Data format standardization across all meter brands
- Unified device management interface
- Custom reporting and analytics capabilities

7.5.1.3. Field Testing and Validation:

- Extensive field testing with actual CENTLEC meters
- Performance validation across different installation scenarios
- Communication reliability testing under various conditions
- Integration testing with existing CENTLEC systems

7.5.2. SOFTWARE AND FIRMWARE DEVELOPMENT

7.5.2.1. Device Firmware:

- Custom firmware development for CENTLEC's specific requirements
- Over-the-air firmware update capability
- Configuration management and device provisioning
- Security features and encryption implementation

7.5.2.2. Management Software:

- Device configuration and management software
- Network monitoring and diagnostic tools
- Performance analytics and reporting
- Integration APIs for CENTLEC systems

8. SPECIAL CONDITIONS

8.1. Please note that CENTLEC reserves the right to appoint more than one bidder.

- 8.2. The successful bidder will be expected to enter into a Service Level Agreement (SLA) with CENTLEC.
- 8.3. The successful bidder shall abide by the lead times as indicated on the pricing schedule.
- 8.4. Should the successful bidder not adhere to the indicated lead times, the contract will be considered for termination.
- 8.5. The successful bidder shall be required to develop and provide a universal communication modem solution capable of retrofitting CENTLEC's existing meter fleet for AMI integration. This includes custom protocol development for existing meter brands and demonstration of successful integration within three (3) months of contract award.

9. PRICING DATA

PRICING INSTRUCTIONS

- C2.1.1 The quantities set out in the specification provided are approximate and do not necessarily represent the actual amount of QUANTITIES / VOLUME to be supplied. The quantities of supplied and certified for payment will be used for determining payments due and not the quantities given in the Bills of Quantities.
- C2.1.2 The prices and rates to be inserted in the Bills of Quantities (in your bid document) are to be the full inclusive prices described under the several items. Such prices and rates shall cover all costs and expenses that may be required for the delivery of items as described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the bid is based, as well as overhead charges and profit.
- C2.1.3 A price or rate is to be entered against each item in the Schedule/Bills of Quantities, whether the quantities are stated or not. An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- C2.1.4 Price to be inserted to in unit terms as stated
- C2.1.5 All quoted prices must in South African Currency (Rand)

PRICING SCHEDULE

All prices should be in ZAR (R) and must be exclusive of VAT.

The contract price(s) shall be subject to a price increase. The increase may be considered based on Consumer Price Index (CPI).

Price adjustments shall be considered on an annual basis. No price adjustments will be considered within the first 12 months of the contract.

A. SINGLE-PHASE SMART PREPAID METERS (SPLIT-TYPE)

Item	Description	Manufacturer and item code	Lead time for delivery (weeks)	Cost per item (Rand)
1.	Single-Phase Smart Prepaid Meter (5-80A) - Split-type with MCU and CIU - 4G+G3-PLC multi-communication module			

B. THREE-PHASE SMART PREPAID METERS (SPLIT-TYPE)

Item	Description	Manufacturer and item code	Lead time for delivery (weeks)	Cost per item (Rand)
2.	Three-Phase Smart Prepaid Meter (5-100A) - Split-type with MCU and CIU - 4G+G3-PLC multi-communication module			
3.	Three-Phase Smart Prepaid Meter (5-160A) - Split-type with MCU and CIU - 4G+G3-PLC multi-communication module			

C. HIGH CURRENT CT-CONNECTED PREPAID METERING DEVICES

Item	Description	Manufacturer and item code	Lead time for delivery (weeks)	Cost per item (Rand)
4.	Three-Phase CT-Connected Prepaid Metering Device (200A) - Complete cabinet with Class 0.5S meter - CT ratio 200/5, 4G/5G communication			
5.	Three-Phase CT-Connected Prepaid Metering Device (300A) - Complete cabinet with Class 0.5S meter - CT ratio 300/5, 4G/5G communication			
6.	Three-Phase CT-Connected Prepaid Metering Device (500A) - Complete cabinet with Class 0.5S meter - CT ratio 500/5, 4G/5G communication			
7.	Three-Phase CT-Connected Prepaid Metering Device (800A) - Complete cabinet with Class 0.5S meter - CT ratio 800/5, 4G/5G communication			

D. ADDITIONAL CUSTOMER INTERFACE UNITS (IF REQUIRED SEPARATELY)

Item	Description	Manufacturer and item code	Lead time for delivery (weeks)	Cost per item (Rand)
8.	Additional Customer Interface Unit (CIU) - Single/Three-phase compatible - Dual communication: PLC + alternative method			

E. CONCENTRATORS

Item	Description	Manufacturer and item code	Lead time for delivery (weeks)	Cost per item (Rand)
9.	Data Concentrator Unit (DCU) - Multi-brand compatible - Support for 50-250 meters - Compatible with existing CENTLEC meter brands - 4G/5G + G3-PLC mesh communication			
10.	Data Concentrator Unit (DCU) - Single-brand specific - Support for 50-250 meters - Compatible with bidder's own meters only - 4G/5G + G3-PLC mesh communication			

F. UNIVERSAL COMMUNICATION MODEM SOLUTION

Item	Description	Manufacturer and item code	Lead time for delivery (weeks)	Cost per item (Rand)
11.	Universal Communication Modem - Hardware unit (per modem)			
12.	Universal Communication Modem - Custom development package (one-time cost for protocol development, testing, and integration)			

10. GENERAL CONDITIONS OF CONTRACT

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 anything 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 markets 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. 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.
- 1.13. **"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.
- 1.14. **"GCC"** means the General Conditions of Contract.
- 1.15. **"Goods"** means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16. **"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.
- 1.17. **"Local content"** means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18. **"Manufacture"** means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.

- 1.19. **"Order"** means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20. **"Project site,"** where applicable, means the place indicated in bidding documents.
- 1.21. **"Purchaser"** means the organization purchasing the goods.
- 1.22. **"Republic"** means the Republic of South Africa.
- 1.23. **"SCC"** means the Special Conditions of Contract.
- 1.24. **"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.
- 1.25. **"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. With certain exceptions, invitations to bid are only published in the Government Bid Bulletin. The Government Bid Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za

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 so 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
- 5.3. except for purposes of performing the contract.
- 5.4. Any document, other than the contract itself mentioned in GCC clause
- 5.5. 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.
- 5.6. 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

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.

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. a 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 in SCC.

8. Inspections, tests and analyses

- 8.1. All pre-bidding testing will be for the account of the bidder.
- 8.2. 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 inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3. 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.
- 8.4. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5. Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6. 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.
- 8.7. Any contract supplies may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies 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 supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8. 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 23 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, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

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

11. Insurance

- 11.1. 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 in the SCC.

12. Transportation

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

13. Incidental services

- 13.1. The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
 - 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 onsite, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
 - 13.1.6 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.

14. Spare parts

- 14.1. As specified in SCC, 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 in the event of termination of production of the spare parts:
 - 14.1.2 Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - 14.1.3 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. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.3. 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. If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, 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 in SCC.
- 16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract.
- 16.3. Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4. Payment will be made in Rand unless otherwise stipulated in SCC.

17. Prices

- 17.1. 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 in SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract amendments

- 18.1. No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

19. Assignment

- 19.1. 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

- 20.1. The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts 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. No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.

21.4. 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.

21.5. 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 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

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

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 intended penalty as not objected against and may impose it on the supplier.

23.5. Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, 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 Accounting Officer / Authority 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 Bid 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

24.1. 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 or 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.

25.1. 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.

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. Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

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

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

27.5.2 the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of liability

28.1. Except in cases of criminal negligence or wilful 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 in SCC.

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.

32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.

33. National Industrial Participation (NIP) Programme

The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

34. Prohibition of Restrictive practices

- 34.1. 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 (or bid rigging).
- 34.2. 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 the Competition Act No. 89 of 1998.
- 34.3. 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.

11.APPENDIX: STANDARD CONDITIONS OF BID

Standard Conditions of Bid

(AS PER GOVERNMENT GAZETTE NO. 29138 OF 18 AUGUST 2006)

(As contained in Annexure F of the Standard for Uniformity in Construction Procurement)

F.1 General

F.1.1 Actions

The employer and each bidder submitting a bid offer shall comply with these conditions of bid. In their dealings with each other, they shall discharge their duties and obligations as set out in F.2 and F.3, timeously and with integrity, and behave equitably, honestly and transparently.

F.1.2 Bid Documents

The documents issued by the employer for the purpose of a bid offer are listed in the bid data.

F.1.3 Interpretation

F.1.3.1 The bid data and additional requirements contained in the bid schedules that are included in the returnable documents are deemed to be part of these conditions of bid.

F.1.3.2 These conditions of bid, the bid data and bid schedules which are only required for bid evaluation purposes, shall not form part of any contract arising from the invitation to bid.

F.1.3.3 For the purposes of these conditions for the calling for expressions of interest, the following definitions apply:

- a) **comparative offer** means the bidder's financial offer after the factors of non-firm prices, all unconditional discounts and any other bided parameters that will affect the value of the financial offer have been taken into consideration
- b) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the bid process; and
- c) **fraudulent practice** means the misrepresentation of the facts in order to influence the bid process or the award of a contract arising from a bid offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels

- d) **quality (functionality)** means the totality of features and characteristics of a product or service that bear on its ability to satisfy stated or implied needs.

F.1.4 Communication and employer's agent

Each communication between the employer and a bidder shall be to or from the employer's agent only, and in a form that can be read, copied and recorded. Writing shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a bidder. The name and contact details of the employer's agent are stated in the bid data.

F.1.5 The employer's right to accept or reject any bid offer

F.1.5.1 The employer may accept or reject any variation, deviation, bid offer, or alternative bid offer, and may cancel the bid process and reject all bid offers at any time before the formation of a contract. The employer shall not accept or incur any liability to a bidder for such cancellation and rejection, but will give written reasons for such action upon written request to do so.

F.1.5.2 The employer may not subsequent to the cancellation or abandonment of a bid process or the rejection of all responsive bid offers re-issue a bid covering substantially the same scope of work within a period of six (6) months unless only one bid was received and such bid was returned unopened to the bidder.

F.2 Bidder's obligations

F.2.1 Eligibility

Submit a bid offer only if the bidder satisfies with the criteria stated in the bid data and the bidder, or any of his principals, is not under any restriction to do business with employer.

F.2.2 Cost of bidding

Accept that the employer will not compensate the bidder for any costs incurred in the preparation and submission of a bid offer, including the costs of any testing necessary to demonstrate that aspects of the offer satisfy requirements.

F.2.3 Check documents

Check the bid documents on receipt for completeness and notify the employer of any discrepancy or omission.

F.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the bid. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a bid offer in response to the invitation.

F.2.5 Reference documents

Obtain, as necessary for submitting a bid offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the bid documents by reference.

F.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the bid documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the bid data, in order to take the addenda into account.

F.2.7 Clarification meeting

Attend, where required, a clarification meeting at which bidders may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the bid data.

F.2.8 Seek clarification

Request clarification of the bid documents, if necessary, by notifying the employer at least five working days before the closing time stated in the bid data.

F.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The bidder is required to seek adequate cover for covering liability that may ensue during the contract term.

F.2.10 Pricing the bid offer

F.2.10.1 Include in the rates, prices, and the bided total of the prices (if any) all duties, taxes (except Value Added Tax (VAT), and other levies payable by the successful bidder, such duties, taxes and levies being those applicable 14 days before the closing time stated in the bid data.

F.2.10.2 Show VAT payable by the employer separately as an addition to the bided total of the prices.

F.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

F.2.10.4 State the rates and prices in Rand unless instructed otherwise in the bid data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

F.2.11 Alterations to documents

Not make any alterations or additions to the bid documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the bidder. All signatories to the bid offer shall initial all such alterations. Erasures and the use of masking fluid are prohibited.

F.2.12 Alternative bid offers

F.2.12.1 Submit alternative bid offers only if a main bid offer, strictly in accordance with all the requirements of the bid documents, is also submitted. The alternative bid offer is to be submitted with the main bid offer together with a schedule that compares the requirements of the bid documents with the alternative requirements the bidder proposes.

F.2.12.2 Accept that an alternative bid offer may be based only on the criteria stated in the bid data or criteria otherwise acceptable to the employer.

F.2.13 Submitting a bid offer

F.2.13.1 Submit a bid offer to provide the whole of the works, services or supply identified in the contract data, unless stated otherwise in the bid data.

F.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing in black ink.

F.2.13.3 Submit the parts of the bid offer communicated on paper as an original plus the number of copies stated in the bid data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

F.2.13.4 Sign the original and all copies of the bid offer where required in terms of the bid data. The employer will hold all authorized signatories liable on behalf of the bidder. Signatories for bidders proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the bid offer.

F.2.13.5 Seal the original and each copy of the bid offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the bid data, as well as the bidder's name and contact address.

F.2.13.6 Where a two-envelope system is required in terms of the bid data, place and seal the returnable documents listed in the bid data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside

the employer's address and identification details stated in the bid data, as well as the bidder's name and contact address.

F.2.13.7 Seal the original bid offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the bid data.

F.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the bid offer if the outer package is not sealed and marked as stated.

F.2.14 Information and data to be completed in all respects

Accept that bid offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

F.2.15 Closing time

F.2.15.1 Ensure that the employer receives the bid offer at the address specified in the bid data not later than the closing time stated in the bid data. Proof of posting shall not be accepted as proof of delivery. The employer shall not accept bid offers submitted by telegraph, telex, facsimile or e-mail, unless stated otherwise in the bid data.

F.2.15.2 Accept that, if the employer extends the closing time stated in the bid data for any reason, the requirements of these conditions of bid apply equally to the extended deadline.

F.2.16 Bid offer validity

F.2.16.1 Hold the bid offer(s) valid for acceptance by the employer at any time during the validity period stated in the bid data after the closing time stated in the bid data.

F.2.16.2 If requested by the employer, consider extending the validity period stated in the bid data for an agreed additional period.

F.2.17 Clarification of bid offer after submission

Provide clarification of a bid offer in response to a request to do so from the employer during the evaluation of bid offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of bidders or substance of bid offer is sought, offered, or permitted.

Note: Sub-clause F.2.17 does not preclude the negotiation of the final terms of the contract with a preferred bidder following a competitive selection process, should the Employer elect to do so.

F.2.18 Provide other material

F.2.18.1 Provide, on request by the employer, any other material that has a bearing on the bid offer, the bidder's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the bidder not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the bid offer as non-responsive.

F.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

F.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the bid data.

F.2.20 Submit securities, bonds, policies, etc. If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

F.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

F.2.22 Return of other bid documents

If so instructed by the employer, return all retained bid documents within twenty eight (28) days after the expiry of the validity period stated in the bid data.

F.2.23 Certificates

Include in the bid submission or provide the employer with any certificates as stated in the bid data.

F.3 The employer's undertakings

F.3.1 Respond to clarification

Respond to a request for clarification received up to five working days before to the bid closing time stated in the bid data and notify all bidders who drew procurement documents.

F.3.2 Issue addenda

If necessary, issue addenda that may amend or amplify the bid documents to each bidder during the period from the date that bid documents are available until seven days before the bid closing time stated in the bid data. If, as a result a bidder applies for an extension to the closing time stated in the bid data, the employer may grant such extension and, shall then notify all bidders who drew documents.

F.3.3 Return late bid offers

Return bid offers received after the closing time stated in the bid data, unopened, (unless it is necessary to open a bid submission to obtain a forwarding address), to the bidder concerned.

F.3.5 Opening of bid submissions

F.3.5.1 Unless the two-envelope system is to be followed, open valid bid submissions in the presence of bidders' agents who choose to attend at the time and place stated in the bid data. Bid submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

F.3.5.2 Announce at the meeting held immediately after the opening of bid submissions, at a venue indicated in the bid data, the name of each bidder whose bid offer is opened, the total of his prices, preferences claimed and time for completion, if any, for the main bid offer only.

F.3.5.3 Make available the record outlined in F.3.4.2 to all interested persons upon request.

F.3.6 Two-envelope system

F.3.6.1 Where stated in the bid data that a two-envelope system is to be followed, open only the technical proposal of valid bids in the presence of bidders' agents who choose to attend at the time and place stated in the bid data and announce the name of each bidder whose technical proposal is opened.

F.3.6.2 Evaluate the quality of the technical proposals offered by bidders, then advise bidders who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of bidders, who score in the quality evaluation more than the minimum number of points for quality stated in the bid data, and announce the score obtained for the technical proposals and the total price and any preferences claimed. Return unopened financial proposals to bidders whose technical proposals failed to achieve the minimum number of points for quality.

F.3.7 Non-disclosure

Not disclose to bidders, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of bid offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful bidder.

F.3.8 Grounds for rejection and disqualification

Determine whether there has been any effort by a bidder to influence the processing of bid offers and instantly disqualify a bidder (and his bid offer) if it is established that he engaged in corrupt or fraudulent practices.

F.3.9 Test for responsiveness

F.3.9.1 Determine, on opening and before detailed evaluation, whether each bid offer properly received:

- a) complies with the requirements of these Conditions of Bid,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the bid documents.

F.3.9.2 A responsive bid is one that conforms to all the terms, conditions, and specifications of the bid documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) change the Employer's or the bidder's risks and responsibilities under the contract, or
- c) affect the competitive position of other bidders presenting responsive bids, if it were to be rectified.

Reject a non-responsive bid offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

F.3.10 Arithmetical errors

F.3.10.1 Check responsive bid offers for arithmetical errors, correcting them in the following manner:

- a) Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.
- b) If the bills of quantities (or schedule of quantities or schedule of rates) apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- c) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the bidder's addition of prices, the total of the prices shall govern and the bidder will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the bided total of the prices.

F.3.10.2 Consider the rejection of a bid offer if the bidder does not correct or accept the correction of his arithmetical errors in the manner described in F.3.9.1.

F.3.11 Clarification of a bid offer

Obtain clarification from a bidder on any matter that could give rise to ambiguity in a contract arising from the bid offer.

F.3.12 Evaluation of bid offers

F.3.12.1 General

Appoint an evaluation panel of not less than three persons. Reduce each responsive bid offer to a comparative offer and evaluate it using the bid evaluation method that is indicated in the bid data and described below:

Method 1: Financial offer	1)	Rank bid offers from the most favourable to the least favourable comparative offer.
	2)	Recommend highest ranked bidder for the award of the contract, unless there are compelling and justifiable reasons not to do so.
Method 2: Financial offer and preferences	1)	Score bid evaluation points for financial offer.
	2)	Confirm that bidders are eligible for the preferences claimed and if so, score bid evaluation points for referencing.
	3)	Calculate total bid evaluation points.
	4)	Rank bid offers from the highest number of bid evaluation points to the lowest.
Method 3: Financial offer and quality	5)	Recommend bidder with the highest number of bid evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
	1)	Score quality, rejecting all bid offers that fail to score the minimum number of points for quality stated in the Bid data.
	2)	Score bid evaluation points for financial offer.
Method 3: (Continue)	3)	Calculate total bid evaluation points.
	4)	Rank bid offers from the highest number of bid evaluation points to the lowest.
	5)	Recommend bidder with the highest number of bid evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
Method 4: Financial offer, quality and preferences	1)	Score quality, rejecting all bid offers that fail to score the minimum number of points for quality stated in the Bid data.
	2)	Score bid evaluation points for financial offer.
	3)	Confirm that bidders are eligible for the preferences claimed, and if so, score bid evaluation points for referencing.
	4)	Calculate total bid evaluation points.
	5)	Rank bid offers from the highest number of bid evaluation points to the lowest.
	6)	Recommend bidder with the highest number of bid evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
	7)	Score financial offers, preferences and quality, as relevant, to two decimal places

F.3.12.2 Scoring financial offers

Score the financial offers of remaining responsive bid offers using the following formula:

$N_{FO} = W_1 \times A$ where:

N_{FO} = the number of bid evaluation points awarded for the financial offer.

W_1 = the maximum possible number of bid evaluation points awarded for the financial offer as stated in the bid data.

A = a number calculated using either formulas 1 below as stated in the bid data.

Formula	Basis for comparison	Option 1	Option 2
1.	Lowest price or percentage commission/fee	$\left(1 - \frac{(P_t - P_{min})}{P_{min}}\right)$	P_m/P

where:

P_m = the comparative offer of the most favourable bid offer.

P = the comparative offer of bid offer under consideration.

F.3.12.3 Scoring quality (functionality)

Score quality in each of the categories in accordance with the bid data and calculate total score for quality.

F.3.13 Insurance provided by the employer

If requested by the proposed successful bidder, submit for the bidder's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

F.3.14 Acceptance of bid offer

F.3.14.1 Accept bid offer only if the bidder complies with the legal requirements stated in the bid data.

F.3.14.2 Notify the successful bidder of the employer's acceptance of his bid offer by completing and returning one copy of the form of offer and acceptance before the expiry of the validity period stated in the bid data, or agreed additional period. Providing the form of offer and acceptance does not contain any qualifying statements, it will constitute the formation of a contract between the employer and the successful bidder as described in the form of offer and acceptance.

F.3.15 Notice to unsuccessful bidders

After the successful bidder has acknowledged the employer's notice of acceptance, notify other bidders that their bid offers have not been accepted.

F.3.16 Prepare contract documents

If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the bid documents to take account of: a) addenda issued during the bid period,

- b) inclusion of some of the returnable documents,
- c) other revisions agreed between the employer and the successful bidder, and
- d) the schedule of deviations attached to the form of offer and acceptance, if any.

F.3.17 Issue final contract

Prepare and issue the final draft of contract documents to the successful bidder for acceptance as soon as possible after the date of the employer's signing of the form of offer and acceptance (including the schedule of deviations, if any). Only those documents that the conditions of bid require the bidder to submit, after acceptance by the employer, shall be included.

F.3.18 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

F.3.19 Provide copies of the contracts

Provide to the successful bidder the number of copies stated in the bid data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.



M. Sobebelele (Compiled)

Manager: Metering

Date: 2025/09/18

SUPPORTED/NOT SUPPORTED

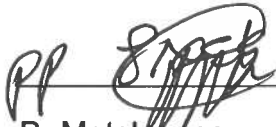


S Sixeki

GM: Revenue & Customer Management

Date: 18/09/2025

APPROVED / NOT APPROVED



B. Motshwene

Executive Manager Retail

Date: 18/09/2025

RECEIVED BY



PR Makhele

Snr SCM Practitioner

Date: 18/09/2025



G le Grange

BSC: Chairperson

Date: 18/9/2025