



CLUSTER

Trading Service

UNIT

Electricity

DEPARTMENT

Customer and Retail Services

PROCUREMENT DOCUMENT: GOODS / SERVICES

Documents can be obtained in electronic format, issued by the eThekweni Municipality:

- a) Electronically downloaded documentation is obtainable from the National Treasury's eTenders website or the eThekweni Municipality's Website. The entire document should be printed and suitably bound by the tenderer.

Tender No: E.9623

Title: Supply and Delivery of Portable Meter Test Equipment for a period of 36 Months.

CLARIFICATION MEETING AND QUERIES

Clarification Meeting: There will be no clarification meeting. Bidders are requested to submit email queries by 26 January 2023 and consolidated question and answers will be uploaded on 02 February 2023

Queries can be addressed to:

General / Contractual: Nyaniso Mliilo; Tel: 031-311-9422; eMail: Nyaniso.Mliilo@durban.gov.za

Technical: Sindisiwe Cele; Tel: 031-322-9997; eMail: Sindi.Cele@durban.gov.za

DELIVERY OF TENDERS

Sealed Tenders, addressed to the City Manager and marked with the Tender Number, are to be placed in the Tender Box located in the ground floor foyer of the Municipal Buildings, 166 KE Masinga Road (Old Fort Rd), Durban (and not any other municipal department), no later than:

Closing Date: Friday, 10 February 2023

Time: 11:00am

FACSIMILE, eMAIL or POSTED TENDERS WILL NOT BE ACCEPTED

Issued by:

ETHEKWINI MUNICIPALITY

Deputy Head: Customer and Retail Services

Issued: December 2022

Document Version: 02/03/2022

NAME OF TENDERER:

Tender Price: R

VAT Registered: YES / NO
(circle applicable)

PROCUREMENT DOCUMENT (Goods / Services)

INDEX

Section	Page
1) General Information	3
2) Conditions of Tender (Goods / Services: July 2016)	5
3) Special / Additional Conditions of Tender	11
4) Returnable Tender Documents.....	13
5) General Conditions of Contract (NT Circular 52: July 2010)	26
6) Special / Additional Conditions of Contract.....	33
7) Scope and Specification of Required Supply / Services	35
a) Scope of Supply / Services	
b) Specifications	
c) Drawings (if applicable)	
8) Bill of Quantities	
9) Official Tender Form	48
10) Annexures (if applicable)	48

SECTION 1: GENERAL INFORMATION

YOU ARE HEREBY INVITED TO TENDER FOR REQUIREMENTS OF THE ETHEKWINI MUNICIPALITY
--

TENDER No.: E.9623

DESCRIPTION: **Supply and Delivery of Portable Meter Test Equipment for a period of 36 Months.**CLOSING DATE / TIME: **Friday, 10 February 2023 at 11:00am**

All tenders must be submitted on official tender documentation issued (either in hard copy or in electronic format) by the eThekweni Municipality. Electronically downloaded documentation should be printed by tenderer.

Tenderers are required to be registered on the National Treasury Central Supplier Database (CSD) as a service provider. Tenderers must register as such upon being requested in writing to do so by the Employer, within the period contained in such a request. In the case of a Joint Venture, this requirement will apply individually to each party in the Joint Venture.

Tenderers should ensure that tenders are delivered timeously to the correct address as stated in the Conditions of Tender. If the tender is late, it will not be accepted for consideration.

The Municipality will consider a tender submitted in response to this request for tender to be an offer from your company to perform the supply on the basis of that tender. Accordingly, please review the attached General and Special Terms and Conditions which will form the basis for any supply arrangement entered into between the Municipality and your company.

The Municipality is seeking tenders from potential suppliers only and makes no representation or promise in relation to procuring work from a supplier or suppliers. The Municipality will not be responsible for any costs associated with preparing and submitting a tender.

The Municipality does not bind itself to accept the lowest or any tender. It reserves the right to accept the whole or any part of a tender to place orders. Bidders shall not bind the Municipality to any minimum quantity per order. The successful Tenderer (s) shall be bound to provide any quantities stipulated in the specification.

The successful tenderer will be required to fill in and sign a written Contract Form (MBD 7).

Registration on the eThekweni Municipality's Database can be done via website: <https://ethekwinivendor.durban.gov.za/>

**NB: NO TENDER WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE
(as defined in Regulation 44 of the Local Government: Municipal Supply Chain Management Regulations).**

**THE FOLLOWING PARTICULARS MUST BE FURNISHED
(Failure to do so may result in your tender being disqualified)**

Name of Tenderer:

Postal Address:

Street Address:

E-Mail Address:

Telephone Number:	-		-	
Cell phone Number:	-		-	
Facsimile Number:	-		-	

**Circle / Tick
Applicable**

Is your entity registered on the eThekweni Municipality's supplier database? YES / NO

If YES insert your PR Number: PR

Is your entity registered on the National Treasury Central Supplier Database (CSD)? YES / NO

If YES insert your MAAA Number: MAAA

Is your entity VAT registered? YES / NO

• If YES insert Vat Registration Number:

Has an original and valid **Tax Clearance Certificate** (MBD 2) been attached? YES / NO

Has a **Declaration of Interest** (MBD 4) been submitted? YES / NO

Has a **Declaration for Procurement Above R10 Million** (MBD 5) been submitted? YES / NO

Has a **B-BBEE Status Level Verification Certificate** (MBD 6.1) been submitted? YES / NO

If YES, who was the certificate issued by? - An accounting officer as contemplated in the Close Corporation Act. - A verification agency accredited by the South African National Accreditation System (SANAS). - A registered auditor. - Sworn Affidavit.	-	
--	---	--

Has a **Declaration Certificate for Local Production and Content for Designated Sectors** (MBD 6.2) been submitted? YES / NO

Has a **Declaration of Bidder's Past SCM Practices** (MBD 8) been submitted? YES / NO

Has a **Certificate of Independent Bid Determination** (MBD 9) been submitted? YES / NO

Are you the accredited representative in South Africa for the goods / services / works offered? If YES, enclose proof. YES / NO

Signature of Tenderer: Date:

Name / Surname: (in block capitals)

Capacity under which this tender is signed:

SECTION 2 : CONDITIONS OF TENDER – (Goods / Services : June 2019)

INDEX

- 1. DEFINITIONS**
- 2. CONDITIONS OF TENDER & CONTRACT**
- 3. TENDER INFORMATION**
 - (1) General
 - (2) Obtaining Tender Documents
 - (3) Queries Relating to this Tender
 - (4) Briefing Session (Clarification Meeting)
 - (5) Closing Date and Delivery of Tender Submissions
 - (6) Tender Validity and Withdrawal of Tenders
- 4. RETURNABLE SCHEDULES, FORMS, CERTIFICATES**
 - (1) Authority of Signatory
 - (2) Declaration of Municipal Fees
 - (3) Health and Safety
 - (4) Consolidated Municipal Bidding Documents
 - (a) MBD 2 : Tax Clearance Certificate
 - (b) MBD 4 : Declaration of Interest
 - (c) MBD 5 : Declaration For Procurement Above R10 Million
 - (d) MDB 6.1 : Preference Points Claim
 - (e) MBD 6.2 : Declaration Certificate for Local Production and Content for Designated Sectors
 - (f) MBD 8 : Declaration of Bidder's Past Supply Chain Management Practices
 - (g) MBD 9 : Certificate of Independent Bid Determination
 - (5) Official Tender Form
 - (6) Additional Schedules, Forms, or Certificates
- 5. INFORMATION TO BE SUPPLIED RE SUB-CONTRACTORS**
- 6. SAMPLES**
- 7. MANUFACTURERS**
- 8. CLARIFICATION**
- 9. PRICING**
- 10. ESTIMATED QUANTITIES**
- 11. DELIVERY, RISK, PACKAGES, ETC**
- 12. RATES OF EXCHANGE**
- 13. IMPORT PERMITS**
- 14. EVALUATION PROCESS**
- 15. BRIBERY AND COMMUNICATION WITH COUNCILLORS / OFFICIALS**
- 16. NEGOTIATIONS WITH PREFERRED TENDERERS**
- 17. CANCELLATION OF TENDER PROCESS**
- 18. ACCEPTANCE OF TENDER**
- 19. PAYMENT and FACTORING**
- 20. APPEAL PROCESS**

SPECIAL / ADDITIONAL CONDITIONS OF TENDER

STANDARD CONDITIONS OF TENDER (Goods / Services)

1. DEFINITIONS

General:

- (1) Defined words / phrases are printed in *Italic font*.
- (2) Definitions apply to the singular as well as the plural.
- (3) Any reference to the masculine gender shall be taken to include the feminine and any reference to the feminine gender shall be taken to include the masculine.
- (4) The words "bid" and "tender", and "bidder" and "tenderer" can be used interchangeably.
- (5) All definitions as defined in the ***General Conditions of Contract*** are applicable to these ***Standard Conditions of Tender***. These definitions include:
 - "Closing time"
 - "Contract"
 - "Contract Price"
 - "Corrupt practice"
 - "Countervailing duties"
 - "Country of origin"
 - "Day"
 - "Delivery"
 - "Delivery ex stock"
 - "Delivery into consignees store or to his site"
 - "Dumping"
 - "Force majeure"
 - "Fraudulent practice"
 - "GCC"
 - "Goods"
 - "Imported content"
 - "Local content"
 - "Manufacture"
 - "Order"
 - "Project site"
 - "Purchaser"
 - "Republic"
 - "SCC"
 - "Services"
 - "Supplier"
 - "Tort"
 - "Turnkey"
 - "Written" or "in writing"
- (6) **Bid or Tender:** The offer submitted in respect of an invitation to submit such an offer.
- (7) **Bidder or Tenderer:** An entity (company, close corporation, partnership, joint venture, sole proprietor) which submits a *bid/tender*.
- (8) **Municipality:** The eThekweni Municipality, as represented by the duly authorised delegate, official or committee.
- (9) **SCT:** Special Conditions of Tender (found in Section 3).
- (10) **Week:** A period of seven (7) consecutive *days*.
- (11) **Material Deviation:** A material deviation or qualification is one which, in the *Municipality's* opinion, would:
 - (a) Detrimentally affect the scope, quality, or performance of the services or supply identified in the Scope;
 - (b) Significantly change the *Municipality's* or the *Tenderer's* risks and responsibilities under the contract; or
 - (c) Affect the competitive position of other *Tenderers* presenting responsive *tenders*, if it were to be rectified.

2. CONDITIONS OF TENDER & CONTRACT

The specification will be governed by the ***Standard Conditions of Tender*** (Goods and Services), ***Special Conditions of Tender (SCT)***, ***General Conditions of Contract (GCC)*** (Government Procurement General Conditions (July 2010), as amended by National Treasury Circular 52 dated 30 July 2010), the ***Special Conditions of Contract (SCC)***, the ***Occupational Health and Safety Act*** (Act No. 85 of 1993), and the ***eThekweni Code of Conduct***.

Complete Acceptance of Conditions

Unless otherwise expressly stipulated in a letter covering the *tender*, every *Tenderer* shall be deemed to have waived, renounced, and abandoned any conditions printed or written upon any stationery used for the purpose of, or in connection with, the submission of their *tender*, which are in conflict with the ***General Conditions of Contract*** and ***Special Conditions of Contract***. *Tenderers* are advised that any *material divergences / qualifications* from the official Conditions or Specification will render their *tenders* liable to disqualification.

3. TENDER INFORMATION

(1) General

- (a) *Tenders* will be liable for rejection unless made out on the official tendering documentation.
- (b) Any alterations effected upon any of the tendering documents must be clearly shown by means of a hand written (black, non-erasable ink), or typed, entry and must be signed in full by the *Tenderer*. **The use of correction fluid is not permitted.**
- (c) *Tenderers* may submit alternative solutions that, in the *Tenderer's* opinion, are to the *Municipality's* advantage economically and technically. Full technical details of the alternative *tender(s)* shall be submitted with the tender documents. Alternative *tender(s)* shall be submitted separately.

(2) Obtaining Tender Documentation

All tenders must be submitted on official tender documentation issued (either in hard copy or in electronic format) by the eThekweni Municipality. Electronically downloaded documentation (obtainable free of charge) should be printed and bound by tenderer. Hard copy versions are available as indicated on the tender notice, for the non-refundable tender charge as indicated in the ***SCT*** (payment by Bank Cheques (where the Drawer of the Cheque is the Bank) OR cash). Tender documents must be collected no later than 3 days prior to close of tender.

(3) Queries Relating to this Tender

Queries can be directed to the person / Department as stated in the ***SCT***.

(4) Briefing Session (Clarification Meeting)

Details of the briefing session are stated in the ***SCT***.

Failure to attend a ***compulsory*** briefing session will invalidate the *tender*. *Tenderers* must sign the attendance list in the name of the tendering entity. *Tenders* will only be evaluated from those tendering entities appearing on the attendance list.

(5) Closing Date and Delivery of Tender Submissions

Sealed *tenders* made out on the enclosed Official Tender Form, which shall be signed by or on behalf of the *Tenderer*, and addressed to the Head: Supply Chain Management Unit, marked with the appropriate Tender number, must be placed in the **Tender Box** as stated in the **SCT** not later than the **date and time** as stated in the **SCT**, where after they will be opened publicly.

All tender documents **must** be placed directly into the Tender Box and should not be delivered to any other Municipal Department. *Bidders* are advised that *tenders* submitted by post, fax or email **will not** be considered. All couriered documents must be placed directly into the Tender Box and should not be delivered to any other Municipal Department.

Any *tender* received after the closing date and time stated for the receipt thereof **shall not** be accepted for consideration and shall be returned to the *Tenderer*.

(6) Tender Validity and Withdrawal of Tenders

Tenders must hold good until 16:00 of the 5th week following the date on which *tenders* are opened, or during such other period as may be specified in the **SCT**. The *Municipality* may, during the period for which *tenders* are to remain open for acceptance, authorize a *Tenderer* to withdraw their *tender* in whole or in part on condition that the *Tenderer* pays to the *Municipality* on demand, a sum of one thousand Rand (R1,000.00). The *Municipality* may, if it thinks fit, waive payment of such sum in whole or in part.

4. RETURNABLE SCHEDULES, FORMS, CERTIFICATES

Each *Tenderer* shall complete fully and accurately the following documents and submit these documents with the *tender*:

- (1) **Authority of Signatory:** In terms of Clause 4(10)(c) of the Conditions of Tender.

- (2) **Declaration of Municipal Fees:** Only those *Bidders* whose municipal fees are fully paid, or those that have concluded acknowledgement of debt agreements with the *Municipality*, are eligible to *tender*.

All *Bidders* must sign the Declaration of Municipal Fees returnable form, declaring that their municipal fees are in order or that acknowledgement of debt agreements have been concluded, and include the relevant account numbers in the declaration. Failure to include account numbers or sign will invalidate the *tender*. The completion of the declaration is also applicable to *Bidders* outside of the eThekweni Municipal Area.

- (3) **Declaration with respect to the Occupational Health and Safety Act:** Acceptance of undertaking in terms of the Occupational Health and Safety Act (Act 85 of 1993) and the relevant Regulations.

- (4) **Consolidated Municipal Bidding Documents** (which includes):

- (a) **MBD 2:** Tax Clearance Certificate Requirements: *Bidders* are to include with their tender submission a valid (at time of tender closing), tax clearance certificate OR Tax Clearance Status PIN, which has sufficient validity to ensure that the tender process is adequately covered. Non-submission, or submission of an expired certificate/ TCS PIN, will preclude *Bidders* from the tender process.

- (b) **MBD 4:** Declaration of Interest: All *Bidders* are to sign the Declaration of Interest wherein they declare any relationship that may exist with an official of the *Municipality* involved in the evaluation process.

Regulation 44 of the Supply Chain Management Regulations states that a *Municipality* or *Municipal Entity* may not make any award to a person:

- (i) Who is in the service of the state;
- (ii) If that person is not a natural person, of which any Director, Manager, Principal, Shareholder or Stakeholder is a person in the service of the state; or
- (iii) Who is an advisor or consultant contracted with the *Municipality* or *municipal entity*.

Should a contract be awarded and it is subsequently established that Regulation 44 has been breached, the *Municipality* shall have the right to terminate the contract with immediate effect.

- (c) **MBD 5:** Declaration for Procurement Above R10 Million (if applicable): For all procurement expected to exceed R10 million (all applicable taxes included), *tenderers* must complete this questionnaire.

- (d) **MBD 6.1:** Preference Points Claim Form: For the awarding of Preference Points, *Bidders* are required to complete the attached MBD 6.1 form and return it with their tender submission. Failure on the part of a *tenderer* to submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS), or a Sworn Affidavit for an EME, or sworn affidavit for a QSE (in line with the revised BBBEE codes of Good Practice), together with the bid will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

The *Municipality* reserves the right to require of a *tenderer*, 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 *Municipality*.

- (e) **MBD 6.2:** Declaration Certificate for Local Production and Content for Designated Sector: If this tender is subject to "Local Content and Production", the *tenderer* must complete and sign MBD 6.2 and attach Annexure C (of SATS 1286:2011).

- (f) **MBD 8:** Declaration of *Bidders* Past Supply Chain Management Practices Form: This form serves as a declaration to be used by *municipalities* and *municipal entities* in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.

- (g) **MBD 9:** Certificate of Independent Bid Determination: Section 4(1)(b)(iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms if it involves collusive tendering or tender rigging. In order to give effect to this, the Certificate of Bid Determination must be completed and submitted with the tender.

(5) Official Tender Form (see Section 9)**(a) Legal Status of Tenderer**

It is essential for the purpose of entering into a legal contract that *Bidders* state on the Official Tender Form, under "Name and Address of Tenderer", their full legal status:

- (i) the full registered name of the company making a *tender*; or
- (ii) if the *Tenderer* is a person conducting business under a recognised trading name then:
 - State the name of the person(s);
 - State recognised trading name; and
 - State whether an owner, co-owner, proprietor, etc.

(b) Signing of Official Tender Form

Failure of a *Tenderer* to complete, in its entirety, and sign the Official Tender Form will invalidate the *tender*.

(c) Authority of Signatory

Bidders are to complete and sign the Authority of Signatory returnable document, and attach the required additional documents.

(d) Differences or Discrepancies

Should there be any difference or discrepancy between the prices or price contained in the Official Tender Form and those contained in any covering letter from the *Tenderer*, the prices or price contained in the Official Tender Form shall prevail.

(6) Any additional Schedules, Forms, or Certificates as stated in the SCT.**5. INFORMATION TO BE SUPPLIED REGARDING SUB-CONTRACTORS**

Bidders are to state in their *tenders*, or covering letters, whether, if the contract were to be awarded to them, the whole of the work would be executed by them in their own workshop / factory. If the answer is in the negative, they are required to state which part(s) would be handed to sub-contractors and the name and address of such sub-contractors.

6. SAMPLES

Bidders may be required to state where samples of the full range of products can be inspected or be required to submit samples for inspection prior to the closing date of the *tender*.

7. MANUFACTURERS

The names of the manufacturers of the goods or equipment offered must be stated in the *tender*.

Bidders who are not manufacturers, accredited distributors, or agents must provide a valid agreement / Joint Venture Agreement, entered into with the manufacturer, accredited distributors, or agents, with their submission. This agreement must meet all the requirements as laid down in the *tender* document, and must cover the contract period.

8. CLARIFICATION

The Head: Supply Chain Management Unit, or an authorized representative, may request clarification or further information on any aspect of the *tender*. The *Tenderer* **must** supply the requested information within the time specified. Failure to comply will render the *tender* non-responsive.

9. PRICING

Bidders would be precluded from this *tender* if their pricing structure deviates from the Official Tender Form.

(1) Nett Prices

All prices shall be quoted in South African currency (Rand) after deduction of any brokerage or discount allowed to the Municipality.

(2) Unit Prices

Bidders shall quote only one price in respect of each item. Such price is to hold good for the full duration of the contract period, being subject to variation only in accordance with specified criteria, as stated in the **Conditions of Contract**.

(3) Firm Tenders

Bidders may submit firm prices for each 12 month period. These prices shall be free from all fluctuations, including any statutory increases.

(4) Value Added Tax (V.A.T)

Prices exclusive and inclusive of VAT must be stated separately on the Official Tender Form.

10. ESTIMATED QUANTITIES

The estimated quantities are set out in Section 8 : Bill of Quantities / Schedule of Rates/Activities which forms part of the official tender documents. The quantities are stated purely for the information of the *Bidders* and are in order to ascertain an estimated total contract price. The *Supplier* will, however, be bound to supply whatever quantity or quantities the *Municipality* may actually require, and may be in excess or less than the estimated quantities stated.

11. DELIVERY, RISK, PACKAGES, ETC

- (1) Unless otherwise provided, all goods are to be supplied only against the form of order issued by the *Municipality*.
- (2) *Bidders* shall quote a unit price which shall include delivery to the specified delivery point, as stated in the **SCT**.
- (3) The risk in all goods purchased by the *Municipality* under the contract shall remain with the *Supplier* until such goods shall have been duly delivered.
- (4) *Bidders* shall clearly state the period within which delivery will be made after receipt of the official order, as this may be material in the adjudication of the *tender*.

12. RATES OF EXCHANGE

- (1) Where the goods are imported the *Supplier* shall, within seven days of date of official Purchase Order, arrange through their bankers for the foreign commitment to be covered forward down to the Rand in order to fix the rate of exchange. The *Supplier* shall notify the *Municipality* as soon as possible thereafter regarding the rate which has been fixed on such forward exchange.

Any increase or decrease between the basic rate of exchange as at a date seven days prior to the date of closing of *tenders* and that existing at the date of establishment of the forward exchange cover within the period stipulated above shall be paid or deducted by the Municipality. Upon the failure of the *Supplier* to arrange forward exchange cover, the *Supplier* shall be liable should there be any increase in the basic rate of exchange occurring after the last mentioned date.

The bank charges incurred in obtaining the forward exchange cover shall be for the *Municipality's* account.

- (2) The *Supplier* shall on request:
- Submit documentary proof of the rate of exchange; and
 - When an adjustment is claimed in terms of this sub-clause, whether by the *Supplier* or the *Municipality*, submit documentary proof to the satisfaction of the Deputy City Manager: Treasury in respect of such claim.

13. IMPORT PERMITS

- In order to minimise special importation, *Bidders* should, where possible, have recourse to local suppliers and / or manufacturers.
- Bidders* must state whether their *tender* is dependent upon the issue of a special import permit or whether they are able to supply the goods by making use of the import facilities available to them.
- In the event of a *tender* being dependent upon the issue of a special import permit, application for such special import permit shall be made by the *Tenderer*, unless otherwise provided for in the *SCT*.

14. EVALUATION PROCESS

The procedure for evaluation of responsive Tender Offers will be in accordance with the eThekweni Municipality's current SCM Policy and the Preferential Procurement Policy Framework Act (5 of 2000), and the Preferential Procurement Policy Framework Act Regulations (January 2017).

Details of additional evaluation criteria, if applicable, are stated in the *SCT*.

Evaluation points for price and preference will only be calculated for *Bidders* who comply with the contractual and technical specification, and if applicable, have attained the minimum Functionality Score as stated in the *SCT*.

The evaluation process of responsive *tenders* will be as follows:

- Score each *tender* in respect of the financial offer made and preferences claimed (if any);
- Calculate the total number of evaluation points (T_{EV}) in accordance with the following formula:
 $T_{EV} = N_{FO} + N_P$ where: N_{FO} : is the number of evaluation points awarded for the financial offer; and N_P : is the number of evaluation points awarded for preferences claimed.
- Rank *tenders* from the highest number of evaluation points to the lowest.
- Recommend the *Tenderer* with the highest number of evaluation points for the award of the contract, unless there are compelling and justifiable reasons not to do so.
- Rescore and re-rank all *Bidders* should there be compelling and justifiable reasons not to recommend the *Tenderer* with the highest number of evaluation points, and recommend the *Tenderer* with the highest number of evaluation points, unless there are compelling and justifiable reasons not to do so, and the process set out in this sub-clause is repeated.

(1) Evaluation points awarded for the financial offer:

The financial offer will be scored using the formula:

$$N_{FO} = W \left(1 - \frac{P - P_m}{P_m} \right)$$

Where the value of W is:

- 90** where the financial value inclusive of VAT of all responsive *tenders* received have a value in excess of R 50,000,000; OR
80 where the financial value inclusive of VAT of one or more responsive *tenders* offers have a value that equals or is less than R 50,000,000;
- P_m** is the comparative offer of the most favourable comparative offer; and
- P** is the comparative offer of the *tender* offer under consideration.

(2) Evaluation points awarded for preference:

Up to 100 minus W (see (1) above) tender evaluation points will be awarded for preference to *Bidders* who attain the BBBEE status level of contributor in accordance with the table below:

B-BBEE Status Level of Contributor	Number of Points where W = 90	Number of Points where W = 80
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-Compliant Contributor	0	0

15. **BRIBERY AND COMMUNICATION WITH COUNCILLORS / OFFICIALS**

(1) **Bribery**

No *Tenderer* shall offer, promise or give to any person or person connected with a *tender* or the awarding of a contract, any gratuity, bonus or discount etc, in connection with the obtaining of a contract.

(2) **Communication, Councillors and Officials**

A *Tenderer* shall not in any way communicate with a member of the *Municipality* or with any official of the *Municipality* on a question affecting any contract for the supply of goods or for any work, undertaking or services which is the subject of a *tender* during the period between the closing date for receipt of *tenders* and the dispatch of the written notification of the *Municipality's* decision on the award of the contract; provided that a *Tenderer* shall not hereby be precluded:

- (a) At the request of the Head: SCM Unit, or an authorized representative, from furnishing him with additional information or with a sample or specimen for testing purposes or otherwise from giving a demonstration so as to enable the recommendation to the Bid Committee on the award of the contract to be formulated;
- (b) From obtaining from the Head : SCM Unit, or an authorised representative, information as to the date upon which the award of the contract is likely to be made, or, after the decision upon the award has been made by the *Municipality* or any Committee to which the *Municipality* has delegated its powers, information as to the nature of the decision or such information as was publicly disclosed at the opening of *tenders* or from submitting to the Accounting Officer in writing any communication relating to their *tender* or the award of the contract or a request for leave to withdraw their *tender*; and
- (c) Provided further that nothing contained herein shall be construed so as to prevent information being sought and obtained from an Official in regard to any decision taken at an open Municipal meeting, or any Committee to which the *Municipality* has delegated its powers.

A contravention of subsection (1) and / or (2), or an attempt to contravene such subsection, shall be reported to the Accounting Officer, who may on receipt of such report disqualify the *tender* of the *Tenderer* concerned.

16. **NEGOTIATIONS WITH PREFERRED BIDDERS**

The *Municipality* reserves the right to invoke Regulation 24 of Municipal Finance Management Act if required.

- (1) The Accounting Officer may negotiate the final terms of a contract with *Bidders* identified through a competitive tendering process as preferred *Bidders*, provided that such negotiation:

- Does not allow any preferred *Tenderer* a second or unfair opportunity;
- Is not to the detriment of any other *Tenderer*; and
- Does not lead to a higher price than the *tender* as submitted.

- (2) Minutes of such negotiations must be kept for record purposes.
- (3) Such negotiation may be delegated by the Accounting Officer.

17. **CANCELLATION OF TENDER PROCESS**

The municipality is entitled to cancel the tender at any time before the award of a tender and the decision to cancel the tender shall be published in the same manner in which the original tender invitation was advertised. The Municipality shall, in no way, be liable for any damages whatsoever, including, without limitation, damages for loss of profit, in any way connected with the cancellation of this bid.

18. **ACCEPTANCE OF BID**

- (1) The *Municipality* does not bind itself to accept the lowest or any *tender*, and reserves the right to accept the whole or any part of a *tender* to place orders.
- (2) The *Municipality* reserves the right to accept more than one technically and contractually compliant *tender* for part or the whole of the contract and to place orders on the price and availability.
- (3) *Bidders* shall not bind the *Municipality* to any minimum quantity per order.
- (4) The successful *Tenderer* (s) shall be bound to provide any quantities stipulated in the specification.
- (5) Tenders will only be accepted on condition that:
 - (a) The *tender* is signed by a person authorised to sign on behalf of the *Tenderer*.
 - (b) A valid (at time of close of tenders), original, Tax Clearance Certificate is included with the *tender* submission, which has sufficient validity to ensure the process is adequately covered;
 - (c) A *Tenderer* who submitted their *tender* as a Joint Venture has included an acceptable Joint Venture Agreement and a B-BBEE Certificate pertaining to the Joint Venture with their *tender*.
- (6) Financial Standing: The Head: Supply Chain Management reserves the right to require *Bidders* to submit evidence that their financial standing is adequate to meet their obligations under the contract should they be successful.
- (7) Change of Ownership or Major Policy: Where it is known to a *Tenderer* that a change in ownership or major policy (of the tendering entity) will occur, or is likely to occur, during a specified contract period, the scope and effect thereof must be fully defined in a covering letter to be submitted with the *tender*.
- (8) Purchase of Goods From Other Sources: Nothing contained in this contract shall be held to restrain the *Municipality* from purchasing from persons other than the *Supplier*, any of the goods described or referred to in this contract, if it shall in its discretion think fit to do so.
- (9) Capability and Breach of Contract: Tenderers that do not have the capability of undertaking this enquiry in terms of the requirements of the contract or have been in breach of contract previously will not be considered.

19. **PAYMENT and FACTORING**

Payment will be as per the **Conditions of Contract**.

Payment will be made only to the *Supplier(s)*. Factoring arrangements will not be accepted.

20. **APPEALS**

In terms of Regulation 49 of the Municipal Supply Chain Management Regulations persons aggrieved by decisions or actions taken by the *Municipality*, may lodge an appeal within 14 days of the decision or action, in writing to the *Municipality*. The appeal (clearly setting out the reasons for the appeal) and queries with regard to decision of award are to be directed to the office of the City Manager, attention:

Ms. S. Pillay, P.O. Box 1394, Durban, 4000;
eMail: Simone.Pillay@durban.gov.za.

SECTION 3: SPECIAL / ADDITIONAL CONDITIONS OF TENDER

3.1 SPECIAL CONDITIONS OF TENDER (SCT)

The **Standard Conditions of Tender** (Goods / Services) make several references to the **Special Conditions of Tender** (SCT) for details that apply specifically to this tender. The **Special Conditions of Tender** shall have precedence in the interpretation of any ambiguity or inconsistency between it and the **Standard Conditions of Tender**.

Each item below is cross-referenced to the clause in the **Standard Conditions of Tender** to which it mainly applies.

SCT 3(1) TENDER INFORMATION: General

The tender document comprises of a cover page and 62 pages. If an electronic version is downloaded from the internet the entire document is to be printed on A4 sized paper and appropriately bound.

SCT 3(2) TENDER INFORMATION: Obtaining Tender Documentation

Documents can be obtained either in electronic format, issued by the eThekweni Municipality:

- Electronically downloaded documentation is obtainable from the National Treasury's eTenders website or the eThekweni Municipality's Website. The entire document should be printed and suitably bound by the tenderer.

SCT 3(3) TENDER INFORMATION: Queries Relating to this Tender

General and Contractual Queries are to be directed to:

Nyaniso Mlilo; Tel: 031-311-9422; eMail: Nyaniso.Mlilo@durban.gov.za

Technical Queries are to be directed to:

Sindiwe Cele; Tel: 031-322-9997; eMail: Sindi.Cele@durban.gov.za

SCT 3(4) TENDER INFORMATION: Briefing Session

There will be no clarification meeting. Bidders are requested to submit email queries by 26 January 2023 and consolidated question and answers will be uploaded on 02 February 2023

SCT 3(5) TENDER INFORMATION: Closing Date and Delivery of Tender Submissions

Sealed Tenders, addressed to the City Manager and marked with the Tender Number, are to be placed in the Tender Box **located in the ground floor foyer of the Municipal Buildings, 166 KE Masinga Road (Old Fort Rd), Durban** (and not any other municipal department), no later than: **Friday, 10 February 2023 at 11:00am**.

SCT 3(6) TENDER INFORMATION: Tender Validity and Withdrawal of Tenders

Tenders must hold good until 16:00 of the **12th week** following the date on which tenders are opened.

SCT 4(6) RETURNABLE SCHEDULES, FORMS, CERTIFICATES

The additional returnable schedules, forms, which can be found in Section 10, are:

- Technical Schedules
- Annexures

SCT 11(2) DELIVERY, RISK, PACKAGES, ETC

The bid prices shall include delivery and off-loading charges to eThekweni Electricity, Control Building (Room 119), 1 Jelf Taylor Crescent, Stamford Hill, Durban, South Africa, unless otherwise specified.

SCT 14 EVALUATION PROCESS

The procedure for evaluation of responsive Tender Offers will be in accordance with the eThekweni Municipality's current SCM Policy and the Preferential Procurement Policy Framework Act (5 of 2000). The estimated value of the contract is expected to be less than R50 million and therefore the 80/20 price and preference points system will apply.

Each item of **SECTION 8** will be evaluated separately. The evaluation will be based upon the following:

- a) The Tenderer's compliance to the technical specification detailed in **SECTION 7** and **RETURNABLE DOCUMENTS 1 to 22 of ACT 10**;
- b) The total price per item; and
- c) The 80/20 procurement point system. Each Tenderer must submit a valid certified copy of a BEE verification certificate if preferential points are to be claimed.

3.2 ADDITIONAL CONDITIONS OF TENDER (ACT)**ACT 1 ELIGIBILITY – CSD REGISTRATION**

Tenderers are required to be registered on the National Treasury Central Supplier Database (CSD) as a service provider. In the case of a Joint Venture, this requirement will apply individually to each party in the Joint Venture. Tenderers not so registered, at time of closing of tenders, will not be eligible to submit tenders.

The Tenderer's CSD Supplier Number (starting with "MAAA") is to be provided in the relevant portions of the tender submission.

Tenderers who wish to register on the CSD may do so via web address <https://secure.csd.gov.za>.

SECTION 4: RETURNABLE TENDER DOCUMENTS

The required returnable documents are as detailed in [Section 2 \(Clause 4\)](#): “Returnable Schedules, Forms, Certificates” of the Conditions of Tender / Special Conditions of Tender.

The Tender Form can be found in [Section 9](#): “Official Tender Form”, and any additional schedules, forms, certificates can be found in [Section 10](#): “Annexures”.

a) AUTHORITY OF SIGNATORY

Reference is made to the Conditions of Tender: [Clause 4\(5\)\(c\)](#).

Indicate the status of the tenderer by ticking the appropriate box hereunder.

COMPANY		CLOSE CORPORATION		PARTNERSHIP		JOINT VENTURE		SOLE PROPRIETOR	
Refer to Notes at the bottom of the page									

I / We, the undersigned, being the Chairperson (Company), Member(s) (Close Corporation), Partners (Partnership), Sole Owner (Sole Proprietor), Lead Partner (JV), in the company / business trading as:

.....

hereby authorise Mr/Mrs/Ms

acting in the capacity of

to sign all documents in connection with the tender for Contract No. [E.9623](#) and any contract resulting from it on our behalf.

NAME	ADDRESS	SIGNATURE	DATE

Notes

The following documents must be attached to the back inside cover to this procurement document:

If a Company : a "Resolution of the Board" in this regard.

If a Joint Venture : a "Power of Attorney" signed by the legally authorised signatories of all the partners to the Joint venture.

b) DECLARATION OF MUNICIPAL FEES

I, the undersigned, do hereby declare that the Municipal fees of

.....
(full name of Company / Close Corporation / partnership / sole proprietary/Joint Venture)

(hereinafter referred to as the TENDERER) are, as at the date hereunder, fully paid or an Acknowledgement of Debt has been concluded with the Municipality to pay the said charges in instalments.

The following account details relate to property of the said TENDERER:

Account

Account Number: to be completed by tenderer.

Consolidated Account No.

--	--	--	--	--	--	--	--	--	--	--	--	--

Electricity

--	--	--	--	--	--	--	--	--	--	--	--	--

Water

--	--	--	--	--	--	--	--	--	--	--	--	--

Rates

--	--	--	--	--	--	--	--	--	--	--	--	--

Other

--	--	--	--	--	--	--	--	--	--	--	--	--

Other

--	--	--	--	--	--	--	--	--	--	--	--	--

Other

--	--	--	--	--	--	--	--	--	--	--	--	--

I acknowledge that should the aforesaid Municipal charges fall into arrears, the Municipality may take such remedial action as is required, including termination of any contract, and any payments due to the Contractor by the Municipality shall be first set off against such arrears. **ATTACHED, to the back inside cover of this document, please find copies of the above account's and or agreements signed with the Municipality.**

- Where the TENDERER'S place of business or business interests are outside the jurisdiction of eThekweni Municipality, a copy of the accounts/agreements from the relevant municipality must be attached (to the back inside cover of this document).
- **Where the tenderer's Municipal Accounts are part of their lease agreement, then a copy of the agreement, or official letter to that effect is to be attached (to the back inside cover of this document).**

NAME :

(Block Capitals)

SIGNATURE :

DATE:

(of person authorised to sign on behalf of the Tenderer)

c) DECLARATION WITH RESPECT TO THE OCCUPATIONAL HEALTH AND SAFETY ACT
Definitions

The Act: The Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and any associated / applicable Regulations.

Declaration by Tenderer

1. I, the undersigned, hereby declare and confirm that I am fully conversant with the Act.
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the work / supply / services under this contract in compliance with the Act, and the Employer's / Purchaser's / Client's Health and Safety Specifications.
3. I hereby undertake, if my tender is accepted, to provide on request a suitable and sufficiently documented Health and Safety Plan which plan shall be subject to approval by the Employer / Purchaser / Client.
4. I hereby confirm that adequate provision has been made in my tendered rates to cover the cost of all resources, actions, training and all health and safety measures envisaged in the Act, and that I will be liable for any penalties that may be applied by the Employer / Purchaser / Client for failure to comply with the provisions of the Act.
5. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer / Purchaser / Client will mean that I am unable to comply with the requirements of the Act and accept that my tender will be prejudiced and may be rejected at the discretion of the Employer / Purchaser / Client.

NAME : (Block Capitals)

SIGNATURE : DATE:
(of person authorised to sign on behalf of the Tenderer)

d) CONSOLIDATED MUNICIPAL BIDDING DOCUMENTSThe following **SECTIONS** are required to be completed as part of this procurement document

<u>Section</u>	<u>Description</u>	<u>Required?</u>
A	General Enterprise Information	Yes
B	MBD2: Tax Clearance Certificate Requirements	Yes
C	MBD4: Declaration of Interest	Yes
D	MBD5: Declaration for Procurement Above R10 Million	No
E	MBD6.1: Preference Points Claim Form ITO the Preferential Regulations	Yes
F	MBD6.2: Declaration Certificate for Local Production and Content for Designated Sectors.....	No
G	MBD8: Declaration of Bidder's Past SCM Practices	Yes
H	MBD9: Certificate of Independent Bid Determination	Yes
I	Confirmations, Authorities, Certifications, Acknowledgements and Signatures	Yes

NOTES

1. MSCM Regulations: "in the service of the state" means to be:
 - (a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
 - (b) a member of the board of directors of any municipal enterprise;
 - (c) an official of any municipality or municipal enterprise;
 - (d) an employee of any national or provincial department, national or provincial public enterprise or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
 - (e) a member of the accounting authority of any national or provincial public enterprise; or
 - (f) an employee of Parliament or a provincial legislature.
2. "Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.
3. Includes price quotations, advertised competitive bids, limited bids and proposals.
4. Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

Ref	Description	Complete as Applicable
-----	-------------	------------------------

SECTION A : GENERAL ENTERPRISE INFORMATION

1.0	Full Name of bidder or his or her representative	
1.1	ID Number of bidder or his or her representative	
1.2	Position occupied in the enterprise	
2.0	Name of enterprise:	
2.1	Tax Reference number, if any:	
2.2	VAT registration number, if any:	
2.3	CIDB registration number, if any:	
2.4	Company registration number, if applicable:	
2.5	Close corporation number, if applicable:	
2.6	Supplier reference number (PR), if any:	PR:
2.7	South African Revenue Service Tax Compliance Status PIN :	
2.8	National Treasury Central Supplier Database registration number	MAAA:

3.0 The names of all directors / trustees / shareholders / members / sole proprietors / partners in partnerships, their individual identity numbers and state employee numbers must be indicated below. In the case of a joint venture, information in respect of each partnering enterprise must be completed and submitted

Full Name	Identity No.	State Employee No.	Personal income tax No. *
Use additional pages if necessary			

Ref	Description	Complete or Circle Applicable
-----	-------------	-------------------------------

SECTION B : MBD 2 : TAX CLEARANCE CERTIFICATE REQUIREMENTS

It is a condition of bid that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

- 1.0 In order to meet this requirement bidders are required to complete the TCC 001 : "Application for a Tax Clearance Certificate" form and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
- 2.0 SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
- 3.0 The original Tax Clearance Certificate must be submitted together with the bid (attached to the inside back cover of this procurement document). Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be acceptable.
- 4.0 In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate.
- 5.0 Copies of the TCC 001 : "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za.
- 6.0 Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as efilers through the website www.sars.gov.za.
- 7.0 Notwithstanding Clauses 1.0 to 6.0 above: Since 18 April 2016, SARS has introduced a new Tax Compliance Status System (TCS). As part of this enhanced system, tenderers can now submit a Tax Compliance Status PIN instead of an original Tax Clearance Certificate (TCC). This TCS PIN can be used by third parties to certify the taxpayer's real-time compliance status. This number, if available, is to be entered in Item 2.7 of Section A of these consolidated Municipal Bidding Documents.
For further particulars please contact your nearest SARS branch, or call the SARS Contact Centre on 0800 00 7277, or log onto SARS eFiling.

Attach a valid Tax Clearance Certificate OR Tax Compliance Status PIN, issued by the TCS System of the South African Revenue Service, to the inside back cover of this procurement document

SECTION C : MBD 4 : DECLARATION OF INTEREST

No bid will be accepted from persons "in the service of the state". Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

1.0	Are you presently in the service of the state? If yes, furnish particulars :	YES	NO
2.0	Have you been in the service of the state for the past twelve months? If yes, furnish particulars :	YES	NO
3.0	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? If yes, furnish particulars :	YES	NO
4.0	Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? If yes, furnish particulars :	YES	NO
5.0	Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? If yes, furnish particulars:	YES	NO
6.0	Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? If yes, furnish particulars:	YES	NO
7.0	Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract? If yes, furnish particulars:	YES	NO
8.0	The names of all directors / trustees / shareholders / members / sole proprietors / partners in partnerships, their individual identity numbers and state employee numbers are indicated in SECTION A .		

Ref	Description	Complete or Circle Applicable
-----	-------------	-------------------------------

SECTION D : 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.

1.0	Are you by law required to prepare annual financial statements for auditing?	YES	NO
	If YES, you will be required to submit audited annual financial statements (on request during the tender evaluation period) for the past three years or since the date of establishment if established during the past three years.		
2.0	Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days?	YES	NO
	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.		
	If YES, provide particulars on a letterhead. (Attach this letter to the back inside cover of this procurement document).		
3.0	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
	If YES, provide particulars on a letterhead. (Attach this letter to the back inside cover of this procurement document).		
4.0	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
	If YES, provide particulars on a letterhead. (Attach this letter to the back inside cover of this procurement document).		

SECTION E : MBD 6.1 : PREFERENCE POINTS CLAIM ITO THE PREFERENTIAL REGULATIONS

Preference points for this tender shall be awarded as per the Tender Data and the Preferential Procurement Regulations (2017).

Failure on the part of a tenderer to submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS), or a Sworn Affidavit for an EME, or sworn affidavit for a QSE (in line with the revised BBBEE codes of Good Practice), together with the bid will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

The Employer reserves the right to require of a tenderer, 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 Employer.

DECLARATION

1.0	B-BBEE Status Level of Contribution claimed:	
	Will any portion of the contract be sub-contracted?	YES NO
	If YES, indicate:	
	(i) what percentage of the contract will be subcontracted?	
	(ii) the name of the sub-contractor?	
	Name :	
	(iii) the B-BBEE status level of the sub-contractor?	
	(iv) whether the sub-contractor is an EME?	YES NO

The undersigned, certify that the B-BBEE status level of contribution indicated in paragraph 1.0 above qualifies the company / firm for preference points and acknowledges that the remedies as per Clause 14 of the Preferential Procurement Regulations (2017) shall apply.

Attach a B-BBEE Verification Certificate to the inside back cover of this procurement document

Ref	Description	Complete or Circle Applicable
-----	-------------	-------------------------------

SECTION F : MBD 6.2 : DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Municipal Bidding Document (MBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011 and the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

- 1.0 General Conditions
- 1.1 Preferential Procurement Regulations, 2017 (Regulation 8) makes provision for the promotion of local production and content.
- 1.2 Regulation 8.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3 Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4 A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5 The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where : x is the imported content in Rand
y is the bid price in Rand excluding value added tax (VAT).

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as required in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.
- 1.6 A bid may be disqualified if –
 - (a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
 - (b) the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.
- 2.0 Definitions
- 2.1 “bid” includes written price quotations, advertised competitive bids or proposals;
- 2.2 “bid price” price offered by the bidder, excluding value added tax (VAT);
- 2.3 “contract” means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4 “designated sector” means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5 “duly sign” means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility (close corporation, partnership or individual).
- 2.6 “imported content” means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour and intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7 “local content” means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8 “stipulated minimum threshold” means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9 “sub-contract” means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 3.0 The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
.....	 %
.....	 %
.....	 %

Ref	Description	Complete or Circle Applicable
4.0	Does any portion of the services, works or goods offered have any imported content?	YES NO
4.1	If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by the SARB for the specific currency at 12:00 on the date of advertisement of the bid. The relevant rates of exchange information is accessible on www.reservebank.co.za . Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011): US Dollar : Pound Sterling : Euro : Yen : Other : NB: Bidders must submit proof of the SARB rate (s) of exchange used.	
5.0	Were the Local Content Declaration Templates (Annex C, D and E) audited and certified as correct?	YES NO
5.1	If yes, provide the following particulars: (a) Full name of auditor: (b) Practice number: (c) Telephone number: Cell number: (d) Email address: (Documentary proof regarding the declaration will, when required, be submitted to the satisfaction of the Accounting Officer / Accounting Authority)	
6.0	Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the Accounting Officer / Accounting Authority provide directives in this regard.	

LOCAL CONTENT DECLARATION

(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (Close Corporation, Partnership or Individual)

.....
IN RESPECT OF BID No:

.....
ISSUED BY: (Procurement Authority / Name of Municipality / Municipal Entity)

NB 1 - The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

NB 2 - Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp). Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below. Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned in Section H of these Consolidated MBD returnable questionnaires (comprising 8 pages), do hereby declare the following:

- (a) The facts contained herein fall within my own personal knowledge.
- (b) I have satisfied myself that:
- (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
 - (ii) the declaration templates have been audited and certified to be correct.
- (c) The local content percentages (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C;
- | | |
|---|---|
| (a) Bid price, excluding VAT (y) | R |
| (b) Imported content (x), as calculated in terms of SATS 1286:2011 | R |
| (c) Stipulated minimum threshold for local content (paragraph 3 above)..... | % |
| (d) Local content %, as calculated in terms of SATS 1286:2011 | % |

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Municipality /Municipal Entity has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Municipal / Municipal Entity imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPFA), 2000 (Act No. 5 of 2000).

Ref	Description	Complete or Circle Applicable
-----	-------------	-------------------------------

SECTION G : MBD8 : DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

This Municipal Bidding Document must form part of all bids invited. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.

The bid of any bidder may be rejected if that bidder, or any of its directors have:

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

In order to give effect to the above, the following questions must be answered.

1.0	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?	YES	NO
	Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer / Authority of the institution that imposed the restriction after the audi alteram partem rule was applied. The Database of Restricted Suppliers now resides on the National Treasury's website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.		
	If yes, furnish particulars :		
2.0	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?	YES	NO
	The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.		
	If yes, furnish particulars :		
3.0	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	YES	NO
	If yes, furnish particulars :		
4.0	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	YES	NO
	If yes, furnish particulars :		
5.0	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	YES	NO
	If yes, furnish particulars :		

SECTION H : MBD9 : CERTIFICATE OF INDEPENDENT BID DETERMINATION

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.

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:

- take all reasonable steps to prevent such abuse;
- 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
- 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.

The following 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.

In order to give effect to the above, the following Certificate of Bid Determination must be completed and submitted with the bid. The undersigned, in submitting the accompanying bid, in response to the invitation for the bid do hereby make the following statements that I certify to be true and complete in every respect:

- I have read and I understand the contents of this Certificate;
- I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;

Ref	Description	Complete or Circle Applicable
3.0	I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;	
4.0	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;	
5.0	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: - has been requested to submit a bid in response to this bid invitation; - could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and - provides the same goods and services as the bidder and/or is in the same line of business as the bidder.	
6.0	The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium ³ will not be construed as collusive bidding. (Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.	
7.0	In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding: - prices; - geographical area where product or service will be rendered (market allocation); - methods, factors or formulas used to calculate prices; - the intention or decision to submit or not to submit, a bid; - the submission of a bid which does not meet the specifications and conditions of the bid; - bidding with the intention not to win the bid.	
8.0	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.	
9.0	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.	
10.0	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.	

SECTION I : CONFIRMATIONS, AUTHORITIES, CERTIFICATIONS, ACKNOWLEDGEMENTS and SIGNATURES

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

- Confirms that the contents of these Consolidated MBD returnable questionnaires (comprising 8 pages) are within my personal knowledge and are to the best of my belief both true and correct;
- Confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercise, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- Confirms that no partner, member, director or other person, who wholly or partly exercise control over the enterprise, has within the last five years been convicted of fraud or corruption;
- Confirms that I/we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the bidders or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- Certify that the B-BBEE status level of contribution indicated in Section E : Item 1.0 qualifies the enterprise for preference points and acknowledges that the remedies as per Clause 13 of the Preferential Procurement Regulations (2011) shall apply. In the event of a contract being awarded as a result of points claimed, the enterprise may be required to furnish documentary proof to the satisfaction of the employer that the claims are correct;
- Accept that, in addition to cancellation of a contract, action may be taken against me should these declarations prove to be false.

Signed Date

Name Position

SECTION 5: CONDITIONS OF CONTRACT

GOVERNMENT PROCUREMENT: CONDITIONS OF CONTRACT (July 2010)

The **Conditions of Contract** are the **General Conditions of Contract** as published by the National Treasury titled "Government Procurement: General Conditions of Contract (July 2010), as amended by National Treasury Circular 52 dated 30 July 2010, hereinafter referred to as **GCC**.

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

TABLE OF CLAUSES

1.	Definitions	28
2.	Application.....	28
3.	General	28
4.	Standards.....	29
5.	Use of contract documents and information inspection.....	29
6.	Patent Rights	29
7.	Performance security.....	29
8.	Inspections, tests and analyses.....	29
9.	Packing.....	29
10.	Delivery and documents	29
11.	Insurance	29
12.	Transportation	29
13.	Incidental Services	30
14.	Spare parts.....	30
15.	Warranty.....	30
16.	Payment.....	30
17.	Prices	30
18.	Variation orders	30
19.	Assignment	30
20.	Subcontracts	30
21.	Delays in the supplier's performance	30
22.	Penalties	31
23.	Termination for default	31
24.	Anti-dumping and countervailing duties and rights.....	31
25.	Force Majeure	31
26.	Termination for insolvency	31
27.	Settlement of Disputes	32
28.	Limitation of Liability	32
29.	Governing language	32
30.	Applicable law.....	32
31.	Notices.....	32
32.	Taxes and duties	32
33.	Transfer of contracts.....	32
34.	Amendments of contracts	32
35.	Prohibition of restrictive practices.....	32

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 consignee 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 goods 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 goods 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 "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
- 1.26 "Tort" means in breach of contract.
- 1.27 "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
- 1.28 "Written" or "in writing" means hand-written 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 (excluding professional services related to the building and construction industry), 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 goods, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

- 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2 Invitations to bid are usually published in locally distributed news media and on the municipality/municipal entity website.

- 4. Standards**
- 4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
- 5. Use of contract documents and information inspection**
- 5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only 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 5.1 except for purposes of performing the contract.
- 5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.
- 6. Patent Rights**
- 6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 6.2 When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.
- 7. Performance security**
- 7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the [amount specified in SCC](#).
- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
- (a) 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
- (b) a cashier's or certified cheque.
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, [unless otherwise specified](#).
- 8. Inspections, tests and analyses**
- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that goods to be produced or services to be rendered should at any stage be subject to inspections, tests and analyses, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or organization acting on behalf of the purchaser.
- 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 goods 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 goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Goods 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 goods 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 goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods, which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.
- 8.8 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 22 of GCC.
- 9. Packing**
- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size 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, and in any subsequent instructions ordered by the purchaser.
- 10. Delivery and documents**
- 10.1 Delivery of the goods and arrangements for shipping and clearance obligations, shall be made by the supplier in accordance with the terms [specified in the contract](#).
- 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](#).
- 12. Transportation**
- 12.1 Should a price other than an all-inclusive delivered price be required, [this shall be specified](#).

13. Incidental Services

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

- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- (d) 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
- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

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

14. Spare parts

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

- (a) 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;
- (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) 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**.

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

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

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

16. Payment

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

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon 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**.

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

18. Variation orders

18.1 In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. In cases of measurable quantities, the contractor may be approached to reduce the unit price, and such offers may be accepted provided that there is no escalation in price.

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 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 goods are required, or the supplier's services are not readily available.

- 21.4 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of penalties.
- 21.5 Upon any delay beyond the delivery period in the case of a goods contract, the purchaser shall, without cancelling the contract, be entitled to purchase goods 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:
- 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 judgement 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 supplier as having no objection and proceed with the restriction.
- 23.5 Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchaser 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:
- the name and address of the supplier and / or person restricted by the purchaser;
 - the date of commencement of the restriction
 - the period of restriction; and
 - the reasons for the restriction.
- These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.
- 23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.
- 24. Antidumping and countervailing duties and rights**
- 24.1 When, after the date of bid, provisional payments are required, or anti-dumping 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 supplier to the purchaser or the purchaser may deduct such amounts from moneys (if any) which may otherwise be due to the supplier in regard to goods or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.
- 25. Force Majeure**
- 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.
- 26. Termination for insolvency**
- 26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Notwithstanding any reference to mediation and/or court proceedings herein,
- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
 - (b) the purchaser shall pay the supplier any monies due the supplier for goods delivered and / or services rendered according to the prescripts of the contract.

28. Limitation of Liability

- 28.1 Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6;
- (a) 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
 - (b) 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

- 29.1 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

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

31. Notices

- 31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.
- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

- 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.
- 32.4 No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

33. Transfer of Contracts

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

34. Amendment of contracts

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

35. Prohibition of restrictive practices

- 35.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.
- 35.2 If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.
- 35.3 If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

SECTION 6: SPECIAL / ADDITIONAL CONDITIONS OF CONTRACT

The **Conditions of Contract** make reference to the **Special Conditions of Contract (SSC)** for details that apply specifically to this bid. The **Special Conditions of Contract** shall have precedence in the interpretation of any ambiguity or inconsistency between it and the **Conditions of Contract**.

Each item below is cross-referenced to the clause in the **Conditions of Contract** to which it mainly applies.

SCC 1.2 CONTRACT

This contract will commence and terminate on the occurrence of the following events respectively:

- a) Issue of Letter of Award (LOA) – Commencement date will be as per the date of the LOA;
- b) Termination date will be 36 months after the issue of the LOA.

SCC 7.1 PERFORMANCE SECURITY

The liability of the Performance Security shall be Nil.

SCC 10.1 DELIVERY AND DOCUMENTS

Delivery of goods shall be by road to the eThekweni Electricity, Control Building (Room 119), 1 Jelf Taylor Crescent, Stamford Hill, Durban.

SCC 12.1 TRANSPORTATION

All goods and items delivered, installed, and commissioned shall be inclusive of transportation costs. No separate line item is payable for transport regardless of the type of vehicle used or distance travelled.

SCC 16.1 PAYMENT

The Contractor shall submit to the Department concerned a detailed account which shall reflect the identifying number of each item / service. Payment will be made on this account when checked and substantiated by the authorised official.

Payment for goods received and accepted by the Municipality shall be made no later than 30 days after submission of invoice or claim, provided however that all the terms of the contract are duly complied with.

Payment will be made only to the supplier. Factoring arrangements will not be accepted.

SCC 17 PRICES

Prices are fixed for the duration of the contract.

SCC 21.1 DELAYS IN THE SUPPLIER'S PERFORMANCE

The time schedule for the delivery of goods and performance of services is detailed in the **Schedule B – Delivery Periods Schedule (Section 10)**.

SCC 22.1 PENALTIES

"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 penalty of 5% of the order value for each week delivery is delayed.

The purchaser may also consider termination of the contract pursuant to GCC Clause 23."

ADDITIONAL CONDITIONS OF CONTRACT
ACC1 PERFORMANCE MONITORING & ASSESSMENT OF SERVICE PROVIDERS

For contract awards that are greater than R10m, the Contractor shall be subjected to "Performance Monitoring" assessments in terms of the applicable Section of the Council's current Supply Chain Management Policy.

ACC2 QUALITY OF PRODUCTS

No inferior products will be accepted under this enquiry.

Should there be any cause for complaint against the standard of service or quality of products offered which is not resolved within a period of 10 working days, the Municipality reserves the right to cancel the contract after serving one month's notice, in writing, to the supplier involved. Should such notice be given, the supplier shall nevertheless be obliged to perform the duties covered by the contract up to the date of expiration of the period of notice.

ACC3 SATISFACTORY PERFORMANCE

The supplier shall employ for the purpose of this contract only such personnel as are careful and competent and the Municipality shall be at liberty to object to and require the supplier to remove from the job forthwith any person, including supervisory staff, employed by the supplier who, in the opinion of the Municipality, misconducts himself/herself or is incompetent or negligent in the proper performance of his/her duties and such person shall not again be employed upon this contract without the permission of the Municipality.

ACC4 OCCUPATIONAL INJURIES AND DISEASES ACT

This act replaces the Workmen's Compensation Act:

The supplier shall, before commencement of work, produce documentary proof to the Deputy Municipal Manager, Treasury: Finance that he has complied in all respects with the provisions of the Occupational Injuries and Diseases Act. The supplier undertakes that he/she will perform and comply with all provisions of the Occupational Injuries and Diseases Act and more particularly that he/she will render all returns and pay all assessments for which he/she is liable in terms of such Act.

ACC5 DAMAGE TO PERSONS AND PROPERTY

- (1) The supplier **shall** indemnify and keep indemnified the Council against any claim for death, injury, damage or loss to any person or property whatsoever in respect thereof or in relation thereto.
- (2) The supplier enters into this contract as an independent contractor and shall be solely liable in respect of any claim for death, injury, damage or loss to any person or property whatsoever in respect thereof or in relation thereto.

SECTION 7: SCOPE AND SPECIFICATION OF REQUIRED SUPPLY / SERVICES

1.0 Scope of Supply / Services

- 1.1 This specification details the supply and delivery of:
- Portable accuracy test equipment/power system simulator injection test sets for single and three phase electricity meters (**ITEM 1**),
 - Portable current transformer analyser (**ITEM 2**) and,
 - Portable voltage transformer analyser (**ITEM 3**) and,
 - Portable uninterruptible power supply (**ITEM 4**).
- as specified below and in the Technical Schedules, Bid Form and Bill of Quantities.

2.0 Bid Information

- 2.1 Bidders may submit alternatives which in the bidder's opinion are to eThekweni Municipality's advantage economically and technically. Full technical details of these alternative offer(s) shall be submitted with bid documents. Alternate bid(s) shall be submitted on separate copies of the Bid Form(s). Details must be filled out in **Schedule A of the Annexures (Section 10)**
- 2.2 Bidders shall submit bid prices, in South African Currency, on the Bid Form for the estimated quantities given in **Section 8, Bill of Quantities**.
- 2.3 The quoted bid prices shall include delivery charges to eThekweni Electricity, Control Building, 1 Jelf Taylor Crescent, Durban, South Africa, unless otherwise specified.
- 2.4 Each bid company shall complete fully and accurately the following documents, viz. **Declaration of Municipal Fees Form, Declaration of Interest (MBD 4) Form, Bidders Questionnaire, Bid Form, Rate of Exchange Questionnaire, Targeted Procurement Document, BEE Scorecard, Preference Points Claim Form (MBD 6.1), Declaration of Bidder's Past Supply Chain Management Practices (MBD 8) and the Certificate of Independent Bid Determination (MBD 9)** and submit aforementioned documents with its bid. Remaining bid documents issued with this enquiry, such as Special Conditions of Tender/Contract (Goods and Services) and Government Procurement General Conditions shall be detached and retained by the bid company. **Failure of a bid company to fully complete any of the above documents shall invalidate its bid.**
- 2.5 Bidders shall give full technical and descriptive details as outlined under Technical Schedule 1 to 4 and submit related literature and drawings for the items offered. Failure to supply full information may render the bid liable to disqualification.
- 2.6 **Should a contract be awarded, and it is subsequently established that clause 44 has been breached, the contract will be terminated with immediate effect.**
Note: Clause 44 refers to the SCM Regulations which states:
 The accounting officer must ensure that irrespective of the procurement process followed, no award may be given to a person –
- who is in the service of the state; or
 - if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or
 - a person who is an advisor or consultant contracted with the municipality or municipal entity.

3.0 **Technical Specifications**

3.1.1 **Normative References**

The following standard contains provisions which, through reference in this text, constitute requirements of this specification. At the time of publication, the edition indicated was valid.

a)	IEC60044-1	Instrument transformers – Part 1: Current transformers
b)	IEC61869-2	Instrument transformers – Part 2: Additional requirements for current transformers
c)	IEC60044-2	Voltage transformer- Part 2: Additional requirements for inductive voltage transformer
d)	IEC61869-3	Instrument transformers – Part 3: Additional requirements for voltage transformers
e)	IEC60044-5	Voltage transformer- Part 5: Additional requirements for capacitor voltage
f)	IEC61010-1	Voltage transformer- Safety requirement for electrical equipment for measurement, control, and laboratory use
g)	IEC61326-1	Voltage transformer-Electrical equipment for measurement, control and laboratory use
h)	IEC60068-2-6	Voltage transformer- Environmental testing-Part 2-6: Test-Test Fc: Vibration (Sinusoidal)
i)	IEC60068-2-27	Voltage transformer- Environmental testing- Part 2: Test-Ea and guidance: Shock
j)	IEC60068-2-78	Voltage transformer-Environmental testing-Part 2-78: Test-Test lab: Damp heat, Steady State
k)	IEC60335-1	Household and similar electrical appliances - Safety - Part 1: General requirements
l)	IEC60335-2-29	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers
m)	NRS 057	Code of practice for electricity metering.
n)	IEC 62052-11	Electricity metering equipment (a.c.) - General requirements, tests and test conditions Part 11 – metering equipment.
o)	IEC 62053-21	Electricity metering equipment (a.c.) - Particular requirements – Part 21: Static meters for active energy (classes 1 and 2).
p)	IEC 62053-22	Electricity metering equipment (a.c.) - Particular requirements – Part 22: Static meters for active energy (classes 0,2S and 0,5S).
q)	IEC 62053-23	Electricity metering equipment (a.c.) - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3).
r)	IEC 62053-24	Electricity metering equipment (a.c.) - Particular requirements - Part 24: Static meters for reactive energy at fundamental frequency (classes 0.5S, 1S and 1).

Bidders shall note that, as all standards are subject to revision, they are encouraged to apply the most recent edition of the above standards.

3.1.2 **Terms, Definitions and Abbreviations**

AC	Alternating Current
DC	Direct Current
RMS	Root-Mean-Square
LED	Light Emitting Diode

3.2 Portable multifunction meter test set (ITEM 1)

This shall be a portable test set capable of executing accuracy testing of electricity meter systems during commissioning and auditing procedures whilst the system is *in service* or *out of service*.

General Requirements

- 3.2.1 The complete injection test set shall be portable for use in the field and hence shall be suitably sized to be carried by a single person (male or female) of average strength. Should the weight of the injection set exceed 15 kilograms, a suitable light weight carry trolley shall be provided with the offer, the price of which shall be incorporated into the price of the injection set.
- 3.2.2 The injection test set shall be stand alone, only requiring a single AC supply of 230 V $\pm 10\%$, 50 Hz to the unit and include an interface with a portable computer.
- 3.2.3 No moving elements or elements that are susceptible to damage are permissible.
- 3.2.4 The injection test shall have a minimum of 6 sources.
- 3.2.5 The unit shall have 3 current and 3 voltage sources.
- 3.2.6 The unit shall be supplied with a sensing device to detect the energy meter's two pulsing LEDs (active and reactive energy) simultaneously.
- 3.2.7 The unit must allow users to replace any source onsite in the event it becomes inoperable.

Functional Requirements

- 3.2.8 The injection set shall be capable of bi-directional testing all type of components of energy on electricity meters (min. Wh, VARh, VAh and power factor).
- 3.2.9 The injection set shall be capable of testing electromechanical and electronic meters with a minimum of a 1 Amp secondary CT input.
- 3.2.10 The injection set shall be capable of testing three phase and single-phase meters.
- 3.2.11 The unit shall test energy meters that are fed from CTs and also VTs.
- 3.2.12 The unit shall measure the accuracy of active energy meters according to IEC 62053-21 and 22.
- 3.2.13 The unit shall measure the accuracy of reactive energy meters according to IEC 62053-23 and 24.
- 3.2.14 The unit shall include an optical sensor device required to detect both active and reactive energy pulse output LEDs independently and simultaneously.
- 3.2.15 The sensor shall be non-obstructive and allow the user to observe both LEDs flashing during testing.
- 3.2.16 The sensor shall not be attached to the meter by adhesive materials due to high ambient temperatures, moisture, excessive humidity, and poor surface conditions that may cause the device to move out of place during testing.
- 3.2.17 The sensor shall allow the user unhindered access to the energy meter's screen, buttons and communications interfaces during testing.
- 3.2.18 The unit results shall be displayed via the computer provided software package.

Accuracy and Output Source Requirements

- 3.2.19 The test set's six (6) sources shall each have its own dedicated output terminal.
- 3.2.20 The units (6) sources shall each be able to output a commanded 50Hz waveform with a maximum guaranteed error in amplitude of 0.09% of the measured reading + 0.04% of the selected range.
- 3.2.21 Each voltage source shall be able to output a minimum of 300V AC RMS line to neutral continuously at 50Hz.
- 3.2.22 Each voltage source shall be able to output a minimum power of 150VA RMS continuously at 50Hz.

- 3.2.23 Each current source shall be able to output a minimum of 10A AC RMS continuously at 50Hz for energy meter testing.
- 3.2.24 Each current source shall be able to output a minimum power of 150VA RMS continuously at 50Hz.
- 3.2.25 Each source shall be able to operate within a minimum bandwidth of 3kHz.
- 3.2.26 All current and voltage amplifiers are to be fully overload, overburden, over-temperature and short-circuit proof and protected.
- 3.2.27 Amplifiers shall be capable of generating AC and DC signals.

Accessories Requirements

- 3.2.28 Connections from the injection set to equipment shall be made using at least 4mm banana sockets.
- 3.2.29 Each set shall be supplied with all cables and connector clamps to complete testing on an energy meter without the need to alter change configuration during the test.
- 3.2.30 The unit shall be supplied with a standard South African 3 pin plug top power cord.
- 3.2.31 The unit shall be supplied with a robust hardcover transportation case and carry bag for housing of the test set and accessories.
- 3.2.32 The unit shall include a standard type-A USB cable or wireless connector for connection to a personal computer.
- 3.2.33 The unit shall include lifetime firmware and software support for the test set and PC for the lifespan of the test set.
- 3.2.34 The unit shall include a user manual valid test report and calibration certificate upon delivery.

Software and Interface Requirements

- 3.2.35 The unit shall include a front panel integrated display that is readable in sunlight.
- 3.2.36 The panel display will indicate safety, warning, or connection problems before and during the test.
- 3.2.37 The unit shall be provided with embedded software with either remote and/or integrated interface for capturing of setting prior to executing automatic testing.
- 3.2.38 Software shall be freely available to use when in possession of the injection test set.
- 3.2.39 No programming shall be necessary to test an application. Entry of setting parameters is to be all that is required to set up and perform tests.
- 3.2.40 Future expansions in functionality shall be by means of software updates. Firmware updating shall be handled by the software.
- 3.2.41 The unit shall be configurable and controllable via a PC using the suppliers software. It shall connect to the PC by a Type-A USB cable at minimum and may also include other communication options such as Wifi, Bluetooth and etc.
- 3.2.42 The software shall have the capability to perform the following performance tests on class 0.2S, 0.5S, 1 and 2 active energy meters according to IEC 62053-21 and 22:
 - a) No-load condition.
 - b) Starting condition.
 - c) Limits of error due to variation in current.
 - d) Limits of error due to variation in voltage.
 - e) Limits of error due to variation in frequency.
 - f) Fully automatic testing is required.
- 3.2.43 The software shall have the capability to perform the following performance tests on class 0.5S, 1S, 1, 2 and 3 reactive energy meters according to IEC 62053-23 and 24:

-
- 3.2.44 The software shall automatically generate a report which will indicate if the system has passed or failed assessment for all tests.
- 3.2.45 The report shall at minimum contain the following fields:
- The details of the metering system that was tested;
 - The results of the system performance tests clearly laying out the passed and/or failed fields.
 - The name/unique ID/service number of the person who performed the tests.
 - The time and date stamp on the day the tests were performed.
 - The serial number of the test set that was used.
 - The date of the test set's last calibration.
 - The official logo of eThekweni Municipality.
- 3.2.46 The software shall allow for pictures and photos to be included into the reports.
- 3.2.47 The software shall adjust onsite accuracy results to a temperature of 23°C as per IEC 62053-21,22, 23 and 24.
- 3.2.48 The software shall adjust onsite accuracy results due to interference from electromagnetic RF fields measured onsite as per IEC 62053-21,22, 23 and 24.
- 3.2.49 Tenderers shall provide documentation of the hardware and software operation for the equipment for evaluation purposes.
- 3.2.50 The test results shall be viewable on the software and be able to print on any Windows 10+ based printer on standard A4 sized page. The unit shall not have an integrated printer fitted.
- 3.2.51 The software shall automatically import result into MS Excel for post processing and shall be customisable to include eThekweni Municipality logo.
- 3.2.52 The software must be fully customisable for eThekweni Municipality's requirements (graphs and etc) and at minimum must support the following fields:
- Customer name
 - Substation information
 - Location (address)
 - Metering system type (e.g. Main or Check)
 - Type of energy meter (Active energy, re-active energy, combined and etc)
 - Make and model of meter
 - Class of meter
 - Calibration constant
 - Tariff configuration
 - Generation of reports shall be electronic with an option to export to .pdf format, and all graphics and text shall be printable.

Certification requirements

- 3.2.53 The following list of certificates must be supplied with this bid, failure to submit any of these shall render the bid invalid:
- IEC60068-2-1
 - IEC60068-2-2
 - IEC60068-2-6
 - IEC60068-2-27
 - IEC60068-2-30
 - IEC60068-2-64

- g) IEC 60825-1
- h) IEC 61010-1
- i) RoHS
- j) *Independent test laboratories certificates for proving accuracy compliance for 3.2.20 (TUV, KEMA, SABS, PTB, Wuhan Test centre, etc)*

Support and Warranty requirements

- 3.2.54 The bidder shall make provision for telephonic support to be offered during standard South African working hours (8h00 to 17h00).
- 3.2.55 Support shall also be offered via email where a guaranteed turnaround time of 1 business day.
- 3.2.56 The supplier shall have a calibration facility within South Africa.
- 3.2.57 Repair and calibration times shall not exceed 5 working days.
- 3.2.58 A temporary back up unit shall be provided to the Municipality, whilst municipal unit is undergoing warranty related repairs or calibration. *(Repair work shall only be covered for warranty related claims and not damage as a result of misuse, wear and tear or negligence by employee).*
- 3.2.59 The successful tenderer shall provide a training course covering all aspects of the hardware and software for an initial comprehensive program to be held the Municipality's premises. The cost of this is to be included in the equipment price. A training venue in Durban and computers for trainees shall be provided by the eThekweni Electricity
- 3.2.60 The bidder shall allocate an engineer who shall provide technical support related to the test equipment and software on an ad hoc basis for the duration of the contract.
- 3.2.61 Equipment tendered for under this bid shall hold a minimum 3-year warranty.
- 3.2.62 Tenderers shall provide references of other users of the equipment in Southern Africa.
- 3.2.63 It shall be compulsory for Bidders to setup a demonstration the injection test set function, capabilities together with the software. This demonstration shall be at eThekweni's Electricity premises. The Bidder will be contacted by the Engineer: Meter Engineering to request for this setup and the Bidder shall make arrangements within **one week** to setup the fully functional unit on eThekweni's Electricity premises. The total cost for the setup shall be borne by the Bidder.

3.3 Current Transformer Analyser (ITEM 2)

General requirements

- 3.3.1 The CT Analyser set shall be stand alone, only requiring a single ac supply of 230 V $\pm 10\%$, 50 Hz with a max consumption of 500 VA to the unit and include an interface with a portable computer.
- 3.3.2 The unit shall be portable for use in the field and hence shall be suitably sized to be carried by a single person (male or female) of average strength. The weight of the set should not exceed 10kg and its total volume shall be less than 15 litres.
- 3.3.3 The unit's dimension shall not exceed the following parameters, (Length - 400mm) x (Width - 300mm) x (Height - 200mm).
- 3.3.4 The unit shall be capable of operating in temperatures between (-10 °C and 50 °C) and humidity between (5% and 95%).
- 3.3.5 The unit shall be capable of being stored in temperatures ranging between (-25 °C and 70 °C).

Functional requirements

- 3.3.6 The unit shall have a minimum of 3 output voltages that can supply (0 – 120V AC or DC) and the highest permissible voltage shall not exceed 120V AC.
- 3.3.7 The unit shall have a minimum of 3 output currents that can supply (0 – 5A AC / 15A AC peak).
- 3.3.8 The unit shall be able of measuring current and winding ratios between (0.2 and 10 000).
- 3.3.9 The unit shall be capable of detecting the polarity and accuracy class of a CT.
- 3.3.10 The unit shall determine the instrument security factor (FS) on metering class CTs.
- 3.3.11 The unit shall support excitation curve with knee points up to 30 000V.
- 3.3.12 The unit shall be able to calculate knee point as per the applied standard used for testing.
- 3.3.13 The unit shall be able to measure winding resistance between 1mOhm to 300Ohm (including compensation of the test environment temperature).
- 3.3.14 The unit shall measure without deviation a secondary burden of 1mOhm to 1kOhm at 35VA.
- 3.3.15 The unit shall detect saturated and unsaturated inductance.
- 3.3.16 The unit shall neutralise any remanence flux between tests.
- 3.3.17 The unit shall support remote control via a third-party device (laptop, tablet, etc).
- 3.3.18 The unit shall have the ability to guess the CT nameplate information (type, burden, class and nominal currents) at minimum, without the knowledge of nominal data.
- 3.3.19 The unit shall automatically demagnetise the CT after each test.
- 3.3.20 The unit shall be able to provide a comprehensive automatic assessment of the CT according to the nominal data and standard.
- 3.3.21 The unit shall complete all tests in less than 60s for each core.

Accuracy requirements

- 3.3.22 The set shall be capable of achieving guaranteed ratio testing accuracy of (0.1%: 0.2-1), (0.05%:1-2000), (0.1%:2000-5000), (0.2%:5000-10000).
- 3.3.23 The set shall measure phase accuracy and guarantee accuracy of 0.05° at a resolution of 0.01min.
- 3.3.24 The set shall measure winding ratio and guarantee accuracy of 0.1% at a resolution of 0.01 turns.
- 3.3.25 The set shall measure winding resistance and guarantee accuracy of 0.1% + 1mOhm at a resolution of 1mOhm.
- 3.3.26 The set shall measure secondary burden and guarantee accuracy of 1%.
- 3.3.27 The set shall measure secondary voltage between (0V-300V) and guarantee accuracy of 0.1%.
- 3.3.28 The set shall measure primary voltage between (0V-30V) and guarantee accuracy of 0.1%.
- 3.3.29 Certificates and calibrations report from independent laboratories are to be supplied with the bid to validate claimed accuracy figures, failure to submit certificate/calibration reports will render the bid invalid.

Accessories requirements

- 3.3.30 Each set shall be supplied with at least 1 x 3m injection cable, 1 x 3m + 1 x 15m measurement cable, 1 x 6m grounding cable.
- 3.3.31 The unit shall include 6 x connector clamps (for measurement and injection cables).
- 3.3.32 The unit shall be supplied with a standard South African 3 pin plug top power cord.
- 3.3.33 The unit shall be supplied with a robust hardcover transportation case and carry bag for housing of the test set and accessories.
- 3.3.34 The unit shall include a standard type-A USB cable for connection to a personal computer.

- 3.3.35 The unit shall include local storage of test results via a removable device which can be a USB or Flash Card and should support at least 128MB and larger devices.
- 3.3.36 The unit shall include lifetime firmware and software support for the test set and PC.
- 3.3.37 The unit shall include a user manual valid test report and calibration certificate upon delivery.

Software and Interface requirements

- 3.3.38 The unit shall include an integrated display with sufficient contrast adjustment that is readable in sunlight.
- 3.3.39 The unit shall be provided with embedded software with an integrated interface for capturing of setting prior to executing automatic testing and be capable of storing at least 1000 test records on a local Flash card or USB drive.
- 3.3.40 The unit shall be configurable and controllable via a PC using the suppliers software. It shall connect to the PC by a Type-A USB cable at minimum and may also include other communication options such as Wifi, Bluetooth and etc.
- 3.3.41 The test results shall be viewable on the software and be able to print on any Windows 10+ based printer on standard A4 sized page. The unit shall not have an integrated printer fitted.
- 3.3.42 The software shall automatically import result into MS Excel for post processing and shall be customisable to include eThekweni Municipality logo.
- 3.3.43 The software must be fully customisable for eThekweni Municipality's requirements (graphs and etc).

Certification requirements

- 3.3.44 The following list of certificates must be supplied with this bid, failure to submit any of these shall render the bid invalid:
- a) IEC60068-2-6
 - b) IEC60068-2-27
 - c) IEC60068-2-78
 - d) IEC 61326-1
 - e) IEC 1010-1
 - f) *Independent test laboratories certificates for proving accuracy compliance for 3.3.22-28 (TUV, KEMA, SABS, PTB, Wuhan Test centre, etc)*

Support and Warranty requirements

- 3.3.45 The bidder shall make provision for telephonic support to be offered during standard South African working hours (8h00 to 17h00).
- 3.3.46 Support shall also be offered via email where a guaranteed turnaround time of 1 business day.
- 3.3.47 The supplier shall have a calibration facility within South Africa.
- 3.3.48 Repair and calibration times shall not exceed 5 working days.
- 3.3.49 A temporary back up unit shall be provided to the Municipality, whilst municipal unit is undergoing warranty related repairs or calibration. *(Repair work shall only be covered for warranty related claims and not damage as a result of misuse, wear and tear or negligence by employee).*
- 3.3.50 The successful tenderer shall provide a training course covering all aspects of the hardware and software for an initial comprehensive program to be held the Municipality's premises. The cost of this is to be included in the equipment price. A training venue in Durban and computers for trainees shall be provided by the eThekweni Electricity
- 3.3.51 Equipment tendered for under this bid shall hold a minimum 5-year warranty.

3.4 **Voltage Transformer Analyser (ITEM 3)**

General requirements

- 3.4.1 The VT Analyser test set shall be stand alone, only requiring a single ac supply of 230 V $\pm 10\%$, 50 Hz with a max consumption of 500 VA to the unit and include an interface with a portable computer.
- 3.4.2 The VT Analyser shall be portable for use in the field and hence shall be suitably sized to be carried by a single person (male or female) of average strength. The weight of the set should not exceed 15kg and its total volume shall be less than 30 litres.
- 3.4.3 Its dimension shall not exceed the following parameters, (Length - 400mm) x (Width - 300mm) x (Height - 300mm).
- 3.4.4 The unit shall be capable of operating in temperatures between (-10 °C and 50 °C) and humidity between (5% and 95%).
- 3.4.5 The unit shall be capable of being stored in temperatures ranging between (-25 °C and 70 °C).

Functional requirements

- 3.4.6 The unit shall have a minimum of 3 output voltages that can supply (0 – 120V DC) and 40Vrms AC.
- 3.4.7 The unit shall be capable of high voltage injection with a output voltage of 4kV AC.
- 3.4.8 The unit shall have a minimum of 3 output currents that can supply (0 – 5A AC / 15A AC peak).
- 3.4.9 The unit shall have an emergency off switch supplied so as to interrupt all injection functions in the event of safety concerns. Bidders may also include additional options for consideration such as visual and audible devices which become active when the emergency switch is triggered.
- 3.4.10 The unit shall support voltage ratios of (1 – 2450) for inductive VTs.
- 3.4.11 The unit shall be capable of multi-winding test and support up to 5 secondary windings at a time.
- 3.4.12 The unit shall be capable of testing class 0.1 metering VTs.
- 3.4.13 The unit shall be capable of testing winding resistance up to 3000 Ohm.
- 3.4.14 The unit shall be capable of detecting the polarity of a VT and support nominal frequency of 50Hz and 60Hz.
- 3.4.15 The unit shall contain guided workflow and detailed connection instructions to ensure automatic testing.
- 3.4.16 The unit shall have a built-in safety feature that will ensure all connections are checked prior to commencement of testing.
- 3.4.17 The unit shall automatically demagnetise the VT core after each test.
- 3.4.18 For single secondary winding VT, the unit shall complete a full test in less than 5min.
- 3.4.19 For up to 5 secondary winding VT, the unit shall complete a full test for all cores in less than 20min.
- 3.4.20 The unit shall measure short circuit impedance for all windings (prim-sec) and inter-windings (sec-sec).
- 3.4.21 The unit shall measure secondary winding resistance, ratio error and phase angle error for all windings.
- 3.4.22 The unit shall measure the excitation curve and simulate the total simultaneous burden (TSB).
- 3.4.23 The unit shall measure burden and TSB for all windings.
- 3.4.24 The unit shall simulate the rated voltage factor (Fv).

Accuracy requirements

- 3.4.25 For the testing of voltage ratios on inductive VTs, the unit shall ensure an accuracy of at least (0.05%: Ratio 1 - 350), (0.07%: Ratio 1350 – 1100) and (0.07%: Ratio 1100 – 2450).

- 3.4.26 For the testing of phase angle displacement on inductive VTs, the unit shall ensure an accuracy of at least (1min Ratio 1 - 350), (2min Ratio 1350 – 1100) and (2min: Ratio 1100 – 2450).
- 3.4.27 The unit shall measure secondary voltage between (0V-300V) and guarantee accuracy of 0.1%.
- 3.4.28 The unit shall measure primary voltage between (0V-30V) and guarantee accuracy of 0.1%.
- 3.4.29 Certificates and calibrations report from independent laboratories are to be supplied with the bid to validate claimed accuracy figures, failure to submit certificate/calibration reports will render the bid invalid.

Accessories requirements

- 3.4.30 The unit shall be supplied with a connection cable of at least 6m.
- 3.4.31 The unit shall contain an emergency stop button with at least a 6m connection cable.
- 3.4.32 The unit shall include a screened high-voltage cable of at least 6m.
- 3.4.33 It shall be supplied with a standard South African 3 pin plug top power cord.
- 3.4.34 It shall be supplied with a robust hardcover transportation case and carry bag for housing of the test set and accessories.
- 3.4.35 The unit shall contain 2 x 6m (minimum length) 6mm² grounding leads.
- 3.4.36 The unit shall be supplied with 3x 3m (minimum length) 1-pole coax measuring cable.
- 3.4.37 The unit shall have 2 x Kelvin clamp adapters.
- 3.4.38 The unit shall be supplied with 2 sets (2 crocodile clamps with 4mm banana sockets).
- 3.4.39 The unit shall include a standard type-A USB cable for connection to a personal computer.
- 3.4.40 The unit shall include local storage of test results via a removable device which can be a USB or Flash Card and should support at least 128MB and larger devices.
- 3.4.41 The unit shall include lifetime firmware and software support for the test set and PC.
- 3.4.42 The unit shall include a user manual, valid test report and calibration certificate upon delivery.

Software and Interface requirements

- 3.4.43 The unit shall include an integrated display with sufficient contrast adjustment that is readable in sunlight.
- 3.4.44 The unit shall be provided with embedded software with an integrated interface for capturing of setting prior to executing automatic testing and be capable of storing at least 1000 test records on a local Flash card or USB drive.
- 3.4.45 The unit shall be configurable and controllable via a PC using the suppliers software. It shall connect to the PC by a Type-A USB cable at minimum and may also include other communication options such as Wifi, Bluetooth and etc.
- 3.4.46 The test results shall be viewable on the software and be able to print on any Windows 10+ based printer on standard A4 sized page. The test set shall not have an integrated printer fitted.
- 3.4.47 The software shall automatically import result into MS Excel for post processing and shall be customisable to include eThekweni Municipality logo.
- 3.4.48 The software must be fully customisable for eThekweni Municipality's requirements (graphs and etc).

Certification requirements

- 3.4.49 The following list of certificates for the tendered equipment must be supplied with this bid, failure to submit any of these shall render the bid invalid:
 - a) IEC60068-2-6
 - b) IEC60068-2-27

- c) IEC60068-2-78
- d) IEC 61326-1
- e) IEC 1010-1
- f) Independent test laboratories certificates for proving accuracy compliance for 3.4.25-28 (TUV, KEMA, SABS, PTB, Wuhan Test centre, etc)

Support and Warranty requirements

- 3.4.50 The bidder shall make provision for telephonic support to be offered during standard South African working hours (8h00 to 17h00).
- 3.4.51 Support shall also be offered via email where a guaranteed turnaround time of 1 business day.
- 3.4.52 The supplier shall have a calibration facility within South Africa.
- 3.4.53 Repair and calibration times shall not exceed 5 working days.
- 3.4.54 A temporary back up unit shall be provided to the Municipality, whilst municipal unit is undergoing warranty related repairs or calibration. *(Repair work shall only be covered for warranty related claims and not damage as a result of misuse, wear and tear or negligence by employee).*
- 3.4.55 The successful tenderer shall provide a training course covering all aspects of the hardware and software for an initial comprehensive program to be held the Municipality's premises. The cost of this is to be included in the equipment price. A training venue in Durban and computers for trainees shall be provided by the eThekweni Electricity
- 3.4.56 Equipment tendered for under this bid shall hold a minimum 5-year warranty.

3.5 Portable Power Supply Unit (ITEM 4)

This shall be a portable power supply unit required to supply AC power to a portable test units should there be no mains AC available at the test site. The unit shall comprise of an inverter, charger, and rechargeable battery (internal or external). The unit shall be supplied with all fittings, jumpers, wiring, clamps, leads and accessories to be setup as an independent operational unit.

General requirements

- 3.5.1 The unit shall be protected by internal DC fuse of 200A.
- 3.5.2 As a minimum it must contain the following protection:
 - i) Overload
 - ii) Battery voltage too high
 - iii) Battery voltage too low
 - iv) Temperature too high
 - v) 230V AC on inverter output
 - vi) Input voltage ripple too high
 - vii) Output short circuit
- 3.5.3 The unit shall have fan assisted cooling and be operational between -40°C to 65°C and 95% non-condensing humidity.
- 3.5.4 The unit shall have a connection terminal for connection of the battery cables that shall be 35mm².
- 3.5.5 The unit shall be rated against ingress protection, minimum of IP 21.
- 3.5.6 The unit shall include an output connector for 230V AC to be supplied.
- 3.5.7 The unit shall not exceed a total weight (excluding batteries) of 8.5kg.
- 3.5.8 The unit dimensions shall not exceed (length x width x height) of (410 x 250 x 100 mm).

Battery charger requirements

- 3.5.9 The charger shall operate with input voltage range between 230V AC $\pm$ 10% and 50Hz $\pm$ 10%.
- 3.5.10 It shall have a charge absorption voltage of 14,4V, charge float voltage of 13,8V and a storage voltage of 13,2V.

- 3.5.11 The unit shall have a maximum charge current of 50A.
- 3.5.12 The unit shall have an internal battery temperature sensor.

Inverter requirements

- 3.5.13 During inverter function, the unit shall receive supply from a single 12V DC battery and handle input range of (9,5V to 17V).
- 3.5.14 It shall supply power at 230V AC $\pm 2\%$ and 50Hz $\pm 0.1\%$.
- 3.5.15 For non-linear loads it shall supply continuous power of 1200VA (minimum) at ambient temperatures (25°C).
- 3.5.16 The unit shall supply continuous power of 1000W (minimum) at ambient temperatures (25°C).
- 3.5.17 The unit shall supply continuous power of 900W (minimum) at ambient temperatures (40°C).
- 3.5.18 The unit shall have a peak power rating of 2400W (minimum).
- 3.5.19 The unit shall consume a maximum of 7W at zero load.

Battery requirements

- 3.5.20 The nominal voltage shall be between the ranges of 12V-13V DC
- 3.5.21 It shall be a Lithium Iron Phosphate type battery.
- 3.5.22 The capacity shall be at least 108Ah 1.4kWh.
- 3.5.23 It shall be capable of at least 3000 cycles at an 80% Depth of Discharge
- 3.5.24 It shall not weigh more than 15kgs.
- 3.5.25 It shall have a warranty period of at least 3 years.
- 3.5.26 It shall be able to withstand a continuous charge current of at least 50A.
- 3.5.27 It shall be able to withstand a continuous discharge current of at least 110A.

SECTION 8: BILL OF QUANTITIES

Item	Description / Item Code	Unit of Measure	Estimated Quantity Required	Price excluding VAT		VAT		Price including VAT	
				R	c	R	c	R	c
1	Multifunction meter test set	Per Unit	2						
2	CT Analyser	Per Unit	2						
3	VT Analyser	Per Unit	1						
4	Portable Power Supply Unit	Per Unit	2						

SECTION 9 : OFFICIAL TENDER FORM

Part A: OFFER BY TENDERER - In response to **Tender Number : E.9623** I / we hereby offer to supply the goods / services detailed hereunder in accordance with the Technical Specification, and subject to the Standard and Special Conditions of Tender (Goods/Services), and General and Special Conditions of Contract, which accompanied your Tender (with which I / we acknowledge myself / ourselves to be fully acquainted) at the individual rates indicated in Section 8: Bill of Quantities/Schedule of Rates.

I / We hereby agree that this tender will hold good and remain open for acceptance as specified in the Conditions of Tender or during such other period as may be specified in the Special Conditions of Tender.

eThekwini Vendor Portal Registration Number:

PR

C.S.D Registration Number:

MAAA

S.A.R.S Pin Number:

Completion of the following is compulsory. Failure to declare the following will invalidate your offer.

Declaration of Interest

Are any of the entity's directors, managers, principle shareholder or stakeholders currently in the service of the state or have been in the service of the state in the past twelve (12) months?				☐ Yes	☐ No
Is any spouse, child or parent of the entity's directors, managers, principle shareholder or stakeholder currently in the service of the state or have been in the service of the state in the past twelve (12) months?				☐ Yes	☐ No
Name of entity's member	Position in Entity	Name of Relative (if applicable)	Name of State Institution	Nature of Relationship	
Do you or any other directors, managers, principle shareholder or stakeholder of your entity have any relationship (spouse, family, friend, associate) with persons in the service of the state and/or who may be involved with the evaluation of this quotation? If yes please furnish particulars below				☐ Yes	☐ No
Name of entity's member	Position in Entity	Name of Relative (if applicable)	Name of State Institution	Nature of Relationship	

Refer to the Consolidated MBD Documents in Section 4(d) for the definition of "in service of the State"

* **Signature :**

* **Name (capitals):**

Date:

Capacity:

* **Name of Business:**

Tel:

Address:

Fax:

* Denotes Mandatory Information

Failure to complete the Mandatory Information and sign this Tender Form will invalidate the tender

Part B: ACCEPTANCE BY PURCHASER - The Purchaser, as represented by the following Official, hereby accepts the Tenderer's offer in terms of the Conditions of Tender, Specifications, and Conditions of Contract.

Signature:

Name (capitals):

Date:

Capacity:

SECTION 10: ANNEXURES

TECHNICAL SCHEDULE 1

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Meter Accuracy Test Set (ITEM 1)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
1	Manufacturer's name		
2	Manufacturer's equipment number/name/model		
3	General Requirements		
3.1	Power supply	230V $\pm$ 10%, 50Hz $\pm$ 5%	V $\pm$ % Hz $\pm$ %
3.2	Weight		kg
3.3	Is a trolley included	YES	YES/NO*
3.4	Fully electronic with no moving parts	YES	YES/NO*
3.5	Operating temperature range	(-0°C to 50°C)	°C to °C
3.6	Operating humidity range	(5% to 95%)	°C to °C
3.7	Storage temperature range	(-15°C to 70°C)	°C to °C
3.8	Minimum number of sources	6	
3.9	Minimum number of voltage sources	3	
3.10	Minimum number of current sources	3	
3.11	Sensing device that detects active and reactive energy LEDs simultaneously?	YES	YES/NO*
3.12	Provision for user to replace any source onsite (if any become unavailable)?	YES	YES/NO*
4	Functional Requirements		
4.1	Support bi-directional testing and support Wh, VAR, VA and power factor at min?	YES	YES/NO*
4.2	Support electro-mechanical and electronic meters with min of 1A secondary inputs?	YES	YES/NO*
4.3	Ability to test single and three phase meters?	YES	YES/NO*
4.4	Ability to test CT and VT combined metering systems?	YES	YES/NO*
4.5	Active energy testing according to IEC 62053-21 and 22?	YES	YES/NO*
4.6	Reactive energy testing according to IEC 62053-23 and 24?	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF
SIGNATORY: _____ DATE: _____ YYYY - MM - DD

TECHNICAL SCHEDULE 1 (continued)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Meter Accuracy Test Set (ITEM 1)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
4.7	Optical sensor device to detect active and reactive energy LED simultaneously?	YES	YES/NO*
4.8	Sensor is non-obstructive for observation of LED?	YES	YES/NO*
4.9	Sensor mounting	Non-Adhesive	
4.10	Sensor impact on meter interface	None	
4.11	Results displayed on software	YES	YES/NO*
5	Accuracy and Output Source Requirements		
5.1	Source output terminals	Dedicated	
5.2	Max guaranteed error in waveform amplitude for each source	0.09%	%
5.3	Max guaranteed error for measured reading for selected range	0.04%	%
5.4	Min. continuous output for AC voltage source (Line-Neutral) at 50Hz.	300V RMS	V RMS
5.5	Min power output per voltage source at 50Hz.	150 VA RMS	VA RMS
5.6	Min. continuous output for AC current source at 50Hz.	10A RMS	A RMS
5.7	Min power output per current source at 50Hz.	150 VA RMS	VA RMS
5.8	Minimum bandwidth for source operation	3kHz	kHz
5.9	All sources protected from overload, overburden, over temperature and short-circuit?	YES	YES/NO*
5.10	Support AC and DC signals	YES	YES/NO*
6	Accessories Requirements		
6.1	Min of 4mm banana clamps	YES	YES/NO*
6.2	All test cables and connector clamps included?	YES	YES/NO*
6.3	Hardcover transport case and cover included?	YES	YES/NO*
6.4	Include USB-A connection cable or wireless connection	YES	YES/NO*
6.5	User manual and calibration certificate included on delivery?	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF _____

SIGNATORY: _____ DATE: _____ YYYY - MM – DD

TECHNICAL SCHEDULE 1 (continued)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Meter Accuracy Test Set (ITEM 1)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
7	Software and Interface Requirements		
7.1	Integrated display	YES	YES/NO*
7.2	Local and remote software configuration	YES	YES/NO*
7.3	Connection type to PC (at min)	USB	
7.4	Software included and supported for lifetime of equipment?	YES	YES/NO*
7.5	Software support for Windows 10 and A4 result printing	YES	YES/NO*
7.6	Integrated printer	NO	YES/NO*
7.7	Data presentation and post processing via MS Excel with customisation	YES	YES/NO*
7.8	Testing of class 0.2S and 0.5S according to IEC 62053-21 and 22	YES	YES/NO*
7.9	Meets requirements set out in 3.2.42	YES	YES/NO*
7.10	Testing of class 0.5S, 1S according to IEC 62053-23 and 24	YES	YES/NO*
7.11	Media file integration supported by report (photos, video and etc).	YES	YES/NO*
7.12	Software will compensate for temperature deviation measurement and adjust to standard temp. of 23°C	YES	YES/NO*
7.13	Software supports RF field measurement and compensation.	YES	YES/NO*
7.14	Supporting documentation and software	YES	YES/NO*
8	Certification Requirements		
8.1	IEC60068-2-1	YES	YES/NO*
8.2	IEC60068-2-2	YES	YES/NO*
8.3	IEC60068-2-6	YES	YES/NO*
8.4	IEC60068-2-27	YES	YES/NO*
8.5	IEC60068-2-30	YES	YES/NO*
8.6	IEC60068-2-64	YES	YES/NO*
8.7	IEC60825-1	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF
SIGNATORY: _____ DATE: _____ YYYY - MM - DD

TECHNICAL SCHEDULE 1 (concluded)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Meter Accuracy Test Set (ITEM 1)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
8.8	IEC61010-1	YES	YES/NO*
8.9	RoHS	YES	YES/NO*
	Independent lab result confirming the claimed accuracy of the tendered equipment.		
9	Support and Warranty Requirement		
9.1	Telephonic support times (8h00 – 17h00 on weekdays)	YES	YES/NO*
9.2	Email support, 1day turnaround time	YES	YES/NO*
9.3	Calibration facility location	South Africa	
9.4	Calibration and repair time (max)	5 Days	Days
9.5	Back up unit requirements as per 3.2.52	YES	YES/NO*
9.6	Initial comprehensive training included	YES	YES/NO*
9.7	Warranty period from date of delivery(min)	3 Years	Years

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF SIGNATORY: _____ DATE: YYYY - MM – DD

TECHNICAL SCHEDULE 2

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Current Transformer Analyser (ITEM 2)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
1	Manufacturer's name		
2	Manufacturer's equipment number/name/model		
3	General Requirements		
3.1	Power supply	230V $\pm$ 10%, 50Hz	V $\pm$ % Hz $\pm$ %
3.2	Max. Power rating	500VA	VA
3.3	Max. Weight	10kg	kg
3.4	Max. Volume	15 litres	litres
3.5	Max. Dimensions (L x W x H) (mm)	400 x 300 x 200	x x
3.6	Operating temperature range	(-10°C to 50°C)	°C to °C
3.7	Operating humidity range	(5% to 95%)	°C to °C
3.8	Storage temperature range	(-25°C to 70°C)	°C to °C
4	Functional Requirements		
4.1	Min. 3 x 0V - 120V AC or DC voltage outputs	YES	YES/NO*
4.2	Min. 3 x 0A – 5A / 15A peak current outputs	YES	YES/NO*
4.3	Min. current and winding ratios (1 and 10 000)	YES	YES/NO*
4.4	Accuracy class and polarity determination	YES	YES/NO*
4.5	Security factor determination	YES	YES/NO*
4.6	Knee point voltages up to 30kV	YES	YES/NO*
4.8	Winding resistance between 1mOhm and 300Ohm	YES	YES/NO*
4.9	Secondary burden between 1mOhm and 1kOhm at 35VA	YES	YES/NO*
4.10	Remanence flux neutralisation between to a test	YES	YES/NO*
4.11	Remote control via third party device	YES	YES/NO*
4.12	Nameplate guessing as per 3.3.18	YES	YES/NO*
4.13	Automatic demagnetisation between test	YES	YES/NO*
4.14	Full test completion in under 60s	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF SIGNATORY: _____ DATE: _____ YYYY - MM – DD

TECHNICAL SCHEDULE 2 (continued)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Current Transformer Analyser (ITEM 2)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
5	Accuracy Requirements		
5.1	Ratio accuracy as per 3.3.22	YES	YES/NO*
5.2	Phase accuracy as per 3.3.23	YES	YES/NO*
5.3	Winding ratio accuracy as per 3.3.24	YES	YES/NO*
5.4	Secondary burden accuracy of < 1%	YES	YES/NO*
5.5	Secondary voltage accuracy as per 3.3.27	YES	YES/NO*
5.6	Primary voltage accuracy as per 3.2.28	YES	YES/NO*
5.7	Test certificate and calibration report from independent laboratory supplied?	YES	YES/NO*
6	Accessories Requirement		
6.1	Inject cables supplied as per 3.3.30	YES	YES/NO*
6.2	Min of 6 connection clamps for cables	YES	YES/NO*
6.3	Hardcover transportation case and carry bag included	YES	YES/NO*
6.4	Connection cable for PC USB-A	YES	YES/NO*
6.5	Local storage connection with min 128MB support	YES	YES/NO*
6.6	Lifetime firmware and software available for unit and PC	YES	YES/NO*
6.7	User manual and calibration certificate on delivery	YES	YES/NO*
7	Software and Interface Requirements		
7.1	Integrated display	YES	YES/NO*
7.2	Integrated interface as per 3.3.39	YES	YES/NO*
7.3	PC connection available by USB at min.	YES	YES/NO*
7.4	Software support for Windows 10 and A4 result printing	YES	YES/NO*
7.5	Integrated printer	NO	YES/NO*
7.6	Software supports data import via MS Excel and has customisable reports	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF _____

SIGNATORY: _____ DATE: YYYY - MM - DD

TECHNICAL SCHEDULE 2 (concluded)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Current Transformer Analyser (ITEM 2)

No.	Technical Details	eThekweni Electricity's Requirements	Bidder's offer
8	Certification Requirements		
8.1	IEC60068-2-6 submitted	YES	YES/NO*
8.2	IEC60068-2-27 submitted	YES	YES/NO*
8.3	IEC60068-2-78 submitted	YES	YES/NO*
8.4	IEC61326-1 submitted	YES	YES/NO*
8.5	IEC1010-1 submitted	YES	YES/NO*
8.6	Independent test laboratory certificate confirming accuracy of equipment	YES	YES/NO*
8.7	Test standard support for IEC60044-1, IEC61869-2	YES	YES/NO*
8.8	Test standard support for IEEE C57.13-1993	YES	YES/NO*
9	Support and Warranty Requirements		
9.1	Telephonic support times (8h00 – 17h00 on weekdays)	YES	YES/NO*
9.2	Email support, 1day turnaround time	YES	YES/NO*
9.3	Calibration facility location	South Africa	
9.4	Calibration and repair time (max)	5 Days	Days
9.5	Back up unit requirements as per 3.3.49	YES	YES/NO*
9.6	Initial comprehensive training included	YES	YES/NO*
9.7	Warranty period from date of delivery(min)	5 Years	Years

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF
SIGNATORY: _____ DATE: YYYY - MM – DD

TECHNICAL SCHEDULE 3

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Voltage Transformer Analyser (ITEM 3)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
1	Manufacturer's name		
2	Manufacturer's equipment number/name/model		
3	General Requirements		
3.1	Power supply	230V $\pm 10\%$ 50Hz $\pm 10\%$	V $\pm$ % Hz $\pm$ %
3.2	Max. Power rating	500VA	VA
3.3	Max. Weight	15kg	kg
3.4	Max. Volume	30 litres	litres
3.5	Max. Dimensions (L x W x H) (mm)	400 x 300 x 300	x x
3.6	Operating temperature range	(-10°C to 50°C)	°C to °C
3.7	Operating humidity range	(5% to 95%)	°C to °C
3.8	Storage temperature range	(-25°C to 70°C)	°C to °C
4	Functional Requirements		
4.1	Min. 3 x 0V - 120V DC voltage and 40V(rms) AC outputs	YES	YES/NO*
4.2	High voltage injection output of min 4kV AC	YES	YES/NO*
4.3	Min. 3 x 0A – 5A / 15A peak current outputs	YES	YES/NO*
4.4	Emergency interruption switch	YES	YES/NO*
4.5	Min. voltage ratio support on inductive VT (1 and 2450)	YES	YES/NO*
4.6	Support up to 5 secondary winding tests at a time.	YES	YES/NO*
4.7	Min of class of 0.1 metering VT testing	YES	YES/NO*
4.8	VT polarity determination at 50Hz and 60Hz	YES	YES/NO*
4.9	Guided workflow schematic for connection for automatic testing	YES	YES/NO*
4.10	Built in safety checking on connections prior to test	YES	YES/NO*
4.11	Secondary winding resistance, ratio error and phase angle error	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF SIGNATORY: _____ DATE: _____ YYYY - MM – DD

TECHNICAL SCHEDULE 3 (continued)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Voltage Transformer Analyser (ITEM 3)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
4.12	Remote control via third party device	YES	YES/NO*
4.13	Automatic demagnetisation between test	YES	YES/NO*
4.14	Full test completion in under 5min for single secondary winding VT	YES	YES/NO*
4.15	Full test completion in under 20min for up to 5 secondary winding VT	YES	YES/NO*
4.16	Short circuit impedance measurement as per 3.4.20	YES	YES/NO*
4.17	Measure excitation curve and total simulated burden (TSB)	YES	YES/NO*
4.18	Burden and TSB on all windings	YES	YES/NO*
4.19	Simulate rated voltage factor	YES	YES/NO*
5	Accuracy Requirements		
5.1	Ratio accuracy on Inductive VT as per 3.4.25	YES	YES/NO*
5.2	Phase displacement testing on Inductive VT as per 3.4.26	YES	YES/NO*
5.3	Secondary voltage measurement as per 3.4.27	YES	YES/NO*
5.4	Primary voltage measurement as per 3.4.28	YES	YES/NO*
5.5	Test certificate and calibration report from independent laboratory supplied?	YES	YES/NO*
6	Accessories Requirement		
6.1	Connection cable of at least 6m in length	YES	YES/NO*
6.2	Emergency stop button and connection cable of at least 6m in length	YES	YES/NO*
6.3	Screened high voltage cable of at least 6m in length	YES	YES/NO*
6.4	Hardcover transportation case and carry bag included	YES	YES/NO*
6.5	2 x 6m grounding leads (6mm ²)	YES	YES/NO*
6.6	3 x 3m 1-pole coax measuring cable	YES	YES/NO*
6.7	2 x kelvin clamp adapters	YES	YES/NO*
6.8	2 sets of (2 x crocodile clamps with 4mm banana socket) connectors	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF SIGNATORY: _____ DATE: _____

YYYY - MM - DD

TECHNICAL SCHEDULE 3 (continued)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Voltage Transformer Analyser (ITEM 3)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
6.9	Connection cable for PC USB-A	YES	YES/NO*
6.10	Local storage connection with min 128MB support	YES	YES/NO*
6.11	Lifetime firmware and software available for unit and PC	YES	YES/NO*
6.12	User manual and calibration certificate on delivery	YES	YES/NO*
7	Software and Interface Requirements		
7.1	Integrated display	YES	YES/NO*
7.2	Integrated interface as per 3.4.44	YES	YES/NO*
7.3	PC connection available by USB-A connection at min.	YES	YES/NO*
7.4	Software support for Windows 10 and A4 result printing	YES	YES/NO*
7.5	Integrated printer	NO	YES/NO*
7.6	Software supports data import via MS Excel and has customisable reports	YES	YES/NO*
8	Certification Requirements		
8.1	IEC60068-2-6 submitted	YES	YES/NO*
8.2	IEC60068-2-27 submitted	YES	YES/NO*
8.3	IEC60068-2-78 submitted	YES	YES/NO*
8.4	IEC61326-1 submitted	YES	YES/NO*
8.5	IEC1010-1 submitted	YES	YES/NO*
8.6	Independent test laboratory certificate confirming accuracy of equipment	YES	YES/NO*
8.7	Test standard support for IEC60044-2, IEC61869-3	YES	YES/NO*
8.8	Test standard support for IEEE C57.13	YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF
SIGNATORY: _____ DATE: YYYY - MM – DD

TECHNICAL SCHEDULE 3 (concluded)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Voltage Transformer Analyser (ITEM 3)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
9	Support and Warranty Requirements		
9.1	Telephonic support times (8h00 – 17h00 on weekdays)	YES	YES/NO*
9.2	Email support, 1day turnaround time	YES	YES/NO*
9.3	Calibration facility location	South Africa	
9.4	Calibration and repair time (max)	5 Days	Days
9.5	Back up unit requirements as per 3.4.54	YES	YES/NO*
9.6	Initial comprehensive training included	YES	YES/NO*
9.7	Warranty period from date of delivery(min)	5 Years	Years

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF SIGNATORY: _____ DATE: YYYY - MM – DD

TECHNICAL SCHEDULE4

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Portable Power Supply Unit (ITEM 4)

No.	Technical Details		eThekwini Electricity's Requirements	Bidder's offer
1	Manufacturer's name			
2	Manufacturer's equipment number/name/model			
3	General Requirements			
3.1	System protection as per 3.51 and 3.5.2		YES	YES/NO*
3.2	Environmental requirements as per 3.5.3		YES	YES/NO*
3.3	Min. battery terminal connector terminal size		35mm ²	mm ²
3.4	Min. Ingress Protection rating		IP21	
3.4	Output connector for 230V AC supplied		YES	YES/NO*
3.5	Max. Dimensions (L x W x H) (mm)		410 x 250 x 100	x x
3.6	Max. Weight (excl. battery)		8.5kg	kg
4	Battery Charger Requirements			
4.1	Input voltage and frequency		230V AC $\pm 10\%$ and 50Hz $\pm 10\%$	V $\pm$ % Hz $\pm$ %
4.2	Min. Voltage (DC)	Charge Absorption	14,4V	V
		Charge Float	13,8V	V
		Charge Storage	13,2V	V
4.3	Max charge current		50A	A
4.4	Internal battery temperature sensor		YES	YES/NO*

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF SIGNATORY: _____ DATE: YYYY - MM - DD

TECHNICAL SCHEDULE4 (concluded)

This schedule shall be completed, signed and returned with the bid document of which it forms part:

Requirements for Portable Power Supply Unit (ITEM 4)

No.	Technical Details	eThekwini Electricity's Requirements	Bidder's offer
5	Inverter Requirements		
5.1	Input battery voltage	12V	V
5.2	Input voltage range	9,5V to 17V	V
5.3	Output voltage	230V AC $\pm 2\%$ at 50Hz $\pm 0.5\%$	V $\pm$ % Hz $\pm$ %
5.4	Min. continuous power at 25°C (for non-linear loads)	1200VA	VA
5.5	Min. continuous power at 25°C	1000W	W
5.6	Min. continuous power at 40°C	900W	W
5.7	Peak power output	2400W	W
5.8	Max. zero load consumption	7W	W
6	Battery Requirements		
6.1	Nominal voltage range	12V-13V	V - V
6.2	Type (chemical composition)	Lithium Ion	
6.3	Capacity (min)	108Ah 1.4kWh	Ah kWh
6.4	Min. cycles at 80% depth of discharge	3000	
6.5	Max. weight	15kg	Kg
6.6	Warranty period	3 Years	Years
6.7	Continuous charge current (max)	50A	A
6.8	Continuous discharge current (max)	110A	A

*Delete whichever is not applicable.

BIDDING COMPANY: _____

NAME: _____ SIGNED: _____

CAPACITY OF
SIGNATORY: _____ DATE: YYYY - MM - DD

SCHEDULE A

This schedule shall be completed, signed and returned with the bid documents of which it forms part.

DIVERGENCES FROM THE CONTRACTUAL AND TECHNICAL SPECIFICATIONS OF THE BID**1. Contractual Divergences**

If the bid does not comply contractually with this specification or with the Municipality's Special Conditions of Bid/Contract (Goods and Services) and Government Procurement General Conditions of Contract attached, in any respect, such divergences shall be detailed below in addition to any other reference thereto contained elsewhere in the bid or accompanying letter.

2. Technical Divergences

If the technical specification of the equipment offered does NOT comply with this specification in any respect, such divergence(s) shall be reflected below in addition to any other reference thereto contained elsewhere in the bid or accompanying letter.

BIDDING COMPANY: _____

NAME: _____

SIGNED: _____

CAPACITY OF
SIGNATORY: _____

DATE: _____

SCHEDULE B

This schedule shall be completed, signed and returned with the bid documents of which it forms part.

DELIVERY PERIOD SCHEDULE

I/We hereby undertake to deliver the goods within the following period(s) from date of receipt of order - state period in days or weeks:

Item	Initial Order	
	eThekwini Electricity's Preferred Requirement	Bidder's Offer
1	within 4 weeks	
2	within 4 weeks	
3	within 4 weeks	
4	within 4 weeks	

BIDDING COMPANY:

NAME:

SIGNED:

CAPACITY OF
SIGNATORY:

DATE: