

Physical Address: No. 01 Seller Street | Nqanqarhu | 5480

Postal Address: P.O. Box 1 | Nqanqarhu | 5480

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ELUNDINI LOCAL MUNICIPALITY REQUEST FOR PROPOSALS

The Elundini Local Municipality is requesting for proposals on the following services and goods:

Project Name	Bid No	Contact Details for Technical enquires	Closing Date
Certification of Communal Farms Shearing Sheds for International Standards	ELM-6/001/2022-2023	Mr V. Madolo 0459328163 viwem@elundini.gov.za	Tuesday, 13 September 2022
Art and Craft Development Plan with the strategic linkage to Mount Fletcher Craft Centre	ELM-6/002/2022-2023	Mr V. Madolo 0459328163 viwem@elundini.gov.za	Friday, 02 September 2022
Supply and Delivery of Medium Voltage and Low Voltage Electrical Materials, Tools, Equipment and Meters	ELM-3/011/2022/2023	Mr M. Zwakala 0459328220 mzolisiz@elundini.gov.za	Tuesday, 13 September 2022
Supply and Delivery of Double Cab	ELM-5/004/2022-2023	Ms N. Tshabeni 0459328133 noluvot@elundini.gov.za	Friday, 02 September 2022

1. Proposal on communal responsible production to meet the emerging market standards and implement the program, develop the greening preparation kit for those identified areas and train the farmers on responsible production, Implement the developed system and find certification for ten (10) qualifying shearing sheds for a period of three (3) years.
2. Proposals to facilitate Strategic Planning session towards the development of Art and Craft Development Plan with the linkage to Mount Fletcher Craft Centre with clear programs that will help the Centre to realize its long-term goal towards being a vibrant community arts and craft organization that is capable of mobilizing resources to run successful arts and culture developmental programs
3. Pool of three (3) service providers to supply and delivery of Medium Voltage (MV) and Low Voltage (LV) Electrical Materials, Tools Equipment and Meters to Nqanqarhu on adhoc bases for a period of three (3) years.
4. Supply and delivery of Double Cab with canopy to Nqanqarhu.

Contracts will be based on the National Treasury General Condition of Contracts. The bids will be evaluated on the basis of the Preferential Procurement Policy Framework Act (Act No. 5, 2000), the Elundini Local Municipality's Supply Chain Management Policy and the regulations pertaining thereto (2017) **PRICE AND B-BBEE:** Price 80, B-BBEE 20

Stage 1 of Evaluation - Functionality

ELM-6/001/2022-2023		ELM-6/002/2022-2023		ELM-3/011/2022-2023	
Evaluation Criteria	Maximum Points Allocated	Evaluation Criteria	Maximum Points Allocated	Evaluation Criteria	Maximum Points Allocated
Letter from National Industry Partner and International Partner	30	Expertise	40	Company Experience	30
Proof of preparing communal wool shed and certificate of emerging farmers	30	Experience	40	Bank Rating	10
Letter from registered responsible production auditing companies	25	Methodology	20	Delivery Period	10
Methodology	15				
Total Points	100	Total Points	100	Total Points	50

A minimum score of 70% out of total points must be score in order to proceed to the Financial Evaluation in all of the above bids. The scope of work, specification and detailed functionality including mandatory documents (eligibility criteria) and bid conditions will be uploaded on ELM Website. www.elundini.gov.za and will be also attached in the tender document.

Queries relating to the issue of these documents may be addressed to Ms H Mdusulwana, Tel No. 045 932 8125 or email: hlubikazi@elundini.gov.za

Tender documents may be obtained from the Elundini Local Municipality SCM Unit upon payment of a non-refundable amount of R250 (two hundred and fifty Rand), either paid in cash or by means of electronic funds transfer (EFT) to the Elundini Local Municipality. The tender document will be available on **Thursday, 11 August 2022**.

NB: For EFT payment deposit at ELM FNB cheque account No: 62159933772 and use this reference No. 020114350000. Proof of payment to be sent to: kwaneles@elundini.gov.za. Upon receiving proof payment, Elundini Municipality will email the tender document to the service providers who are unable to make collections.

Completed bid document and CD or Memory-Stick of the whole tender submission converted into PDF format and supporting documentation must be placed in a sealed envelope endorsed with **RELEVANT PROJECT NAME AND BID NUMBER**: must be delivered to the **Elundini Local Municipality, at No. 1 Seller Street, Nqanqarhu, Finance Department, Cashier's reception area, and placed in the Tender Box not later than 12H00 Noon** on the dates mentioned above for all both bids at which time the tenders will be opened in public. Failure to adhere to the above conditions shall deem a bidder non-responsive.

Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted. Tenders may only be submitted on the tender documentation that is issued. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data and Tender Document.



JACK MDEMI
MUNICIPAL MANAGER



Elundini Local Municipality

Tender no: ELM-3/011/2022-2023

Supply and Delivery of Medium Voltage and Low Voltage Electrical Materials, Tools, Equipment and Meters

T1.2 Tender Data

The conditions of tender are the latest edition of SANS 10845-3:2015, *Construction and maintenance Procurement – Part 3: Standard conditions of tender*.

SANS 10845-3:2015 makes several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS 10845-3:2015.

Each item of data given below is cross-referenced to the clause in SANS 10845-3:2015 to which it mainly applies. These standards should be read in conjunction with the National Treasury's Standard for Infrastructure Procurement and Delivery Management (SIPDM).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Clause number	Tender Data
3.1	The employer is the Elundini Local Municipality
3.2	<p>The tender documents issued by the employer comprise the following documents:</p> <p>THE TENDER</p> <p>Part T1: Tendering procedures</p> <p>T1.1 – Tender notice and invitation to tender</p> <p>T1.2 – Tender data</p> <p>Part T2: Returnable documents</p> <p>T2.1 – List of returnable documents</p> <p>T2.2 – Returnable schedules</p> <p>THE CONTRACT</p> <p>Part C1: Agreements and Contract data</p> <p>C1.1 – Form of offer and acceptance</p> <p>C1.2 – Contract data</p> <p> Part 1 – Data by the <i>Employer</i></p> <p> Part 2 – Data by the <i>Contractor</i></p> <p>Part C2: Pricing data</p> <p>C2.1 – Pricing assumptions</p> <p>C2.2 – Pricing schedule</p> <p>Part C3: Scope of work</p> <p>C3.1 – Scope of work</p> <p>Part C4: Site information</p> <p>C4.1 – Site Information</p>

3.2	The tender documents issued by the employer comprise the documents listed on the contents page
3.4	The employer's representative is: Name: Mr. Mzolisiz Zwakala Elundini Local Municipality 1 Seller Street, Ngqanqarhu, 5480. Tel No.: 045 932 8220 Fax No.: 045 932 1094 E-mail: mzolisiz@elundini.gov.za
3.4	The language for communications is English
4	Tenderer's Obligations
4.1	<p>Only those tenderers who satisfy the following eligibility criteria and who provide the required evidence in their tender submissions are eligible to submit tenders and have their tenders evaluated:</p> <ol style="list-style-type: none"> JV Eligibility requirements: <ul style="list-style-type: none"> A Joint venture must submit a consolidated valid original or certified copy of B-BBEE certificate must be submitted with the bid OR a valid original or certified copy of a Sworn Affidavit attested by a Commissioner of Oaths prepared and issued in terms of the amended B-BBEE Construction Sector Codes (CSC000) must be submitted in order to qualify for preference points for B-BBEE. Failure to comply with this, will automatically results in the non-awarding of points for B-BBEE.(This will not disqualify bidders but points for B-BBEE will not be allocated) Submit Joint Venture agreement in the case of joint venture. Fully completed Compulsory Returnable Documents for JV The tenderer must provide letter from service provider that proves that the materials will be SABS approved from supplier/manufacture. Proven trade record of similar project completed (Supply and Deliver of Electrical Material) The tenderer must fully completed declaration certificate for local production and content for designated sectors and Annexure C Directors or company is not in the Treasury's database of restricted suppliers
4.2	The tenderer accepts that, unless otherwise stated in the tender data, the employer does not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer comply with requirements.
4.3	It is the responsibility of the tenderer to check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.
4.4	Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.
4.5	The tenderer shall obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are incorporated into the tender documents by reference.
4.6	Acknowledge receipt of addenda to the tender documents, which the employer may issue, and, if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

4.8	Request clarification of the tender documents, if necessary, by notifying the employer at least 5 (Five) working days before the closing time stated in the tender data
4.10	Tenderers are required to state the rates and currencies in Rands. Include in the rates, prices, and the tendered total of the prices (if any), all duties, taxes which the law requires to be paid [except value added tax (VAT)], and other levies payable by the successful tenderer, that are applicable 14 days before the closing time stated in the tender data. Show the VAT payable by the employer separately as an addition to the tendered total of the prices. Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data. State the rates and prices in monetary value of the contract unless otherwise instructed in the tender data
4.10(a)	If after the commencement of the Contract, the cost or duration of the services is altered as a result of changes in, the amount of the main contractor or contract amount from which estimate were based, or amounts or additions to, any statute, regulation or by-laws, or the requirements of any authority having jurisdiction over any matter in respect of the Project, then the Contract Price and time for completion shall be adjusted in order to reflect the impact of those changes, provided that, within 90 days of first having become aware of the change, the Contractor furnished the Employer with detailed justification to the Price or Period of the Performance (or both).
4.11	Alterations to the documents Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer or to correct errors made by the tenderer and ensure that all signatories to the tender offer initial all such alterations. Do not make erasures using masking fluid.
4.12	No alternative tender offers will be considered
4.13.1	Parts of each tender offer communicated on paper shall be submitted as an original. No copies are required
4.13.2	Sign the original and all copies of the tender offer where required in terms of the tender data. NOTE The employer holds all authorized signatories liable on behalf of the tenderer.
4.13.4	Tender offers will only be accepted if: <ul style="list-style-type: none"> a) Submits a valid SARS Tax Clearance Certificate or a tax compliance status document reflecting the pin for the Employer to verify that the tenderer is in good standing; b) the tenderer is registered on the Central Supplier Database (CSD) for the South African government (see https://secure.csd.gov.za/) unless it is a foreign supplier with no local registered entity c) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; d) Letter from service provider that proves that the materials will be sourced from Eskom approved supplier/manufacture e) the tenderer has not: <ul style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect; and f) The tenderer has completed the Compulsory Declaration and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process. g) The tenderer is not more than three months in arrears in its municipal rates and taxes or municipal service charges, if applicable

4.13.5 4.15	<p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>Location of tender box: Elundini Local Municipality Cashier's reception area Finance Department</p> <p>Physical address: 1 Seller Street Nqanqarhu 5480</p> <p>Identification details : Tender no, Title of Tender and the closing date and time for tenders</p> <p>Closing Date : Tuesday, 13 September 2022</p> <p>Closing Time : 12H00</p> <p>The tender box is only open on weekdays between 08:00 and 16:00</p>
4.13.6	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
4.15	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.
4.16.1	The tender offer validity period is 12 weeks .
4.17	<p>The tenderer shall provide clarification of a tender offer during the evaluation of tender offers, in response to a request from the employer to do so.</p> <p>NOTE: Such clarifications can include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.</p>
4.19	The employer shall grant during working hours to premises for inspections, tests and analysis, as provided for in the tender data.
5	Employer's Undertaking
5.1	The employer will respond to requests for clarification received up to Five (5) working days before the tender closing time.
5.2	The employer shall issue addenda until Five (5) working days before tender closing time.
5.4	Tenders will be opened immediately after the closing time for tenders as stated in the Tender Notice and Invitation to Tender
5.6	Do not disclose to tenderers, or to any person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer

5.8	<p>Determine, after opening and before detailed evaluation, whether each tender offer that was properly received</p> <p>a) complies with the requirements of the standard conditions of tender in this part of SANS 10845-3:2015</p> <p>b) has been properly and fully completed and signed, and</p> <p>c) is responsive to the other requirements of the tender documents.</p> <p>A responsive tender is one that conforms to all the terms, conditions, and scope of work of the tender documents, without material deviation or qualification. A material deviation or qualification is one which, in the employer's opinion, would</p> <p>d) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work,</p> <p>e) significantly change the employer's or the tenderer's risks and responsibilities under the contract, or</p> <p>f) affect the competitive position of other tenderers presenting responsive tenders if it were to be rectified.</p> <p>Reject a non-responsive tender offer, and do not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>
5.9	<p>Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.</p> <p>For Vat related discrepancies, National and Provincial Treasury prescripts in relation to VAT procedures apply.</p>

The procedure for the evaluation of responsive tenders is Method 4: Financial offer, quality and preferences

STAGE ONE: RESPONSIVENESS TO THE BID REQUIREMENTS AND RULES

Bidders' proposals must meet the following minimum requirements and supporting documents must be submitted with the completed bid document in a sealed envelope in the bid box at the closing date and time. Failure to comply will automatically eliminate the bid for further consideration.

1. Bid Document (This Document) must be submitted in its original format.
2. Bids which are late, incomplete, unsigned or submitted by facsimile or electronically, will not be accepted.
3. A copy of the CSD report showing, amongst other things, that tax matters of the service provider are in order with the South African Revenue Services.
4. Failure to comply will automatically eliminate the bid for further consideration.
5. Bidders must be a legal entity or partnership or consortia or joint ventures with a signed agreement in place.
6. Form of offer and Acceptance (fully completed and signed)
7. Invitation to bid must be completed and signed.
8. Declaration of Interest (fully completed and signed)
9. Preference Points Claim form in terms of the Preferential Procurement Regulations 2017 (fully completed and signed)
10. Declaration of Bidder's past Supply Chain Management Practices. (Completed and signed)
11. Certificate of Independent Bid Determination. (Completed and signed)
12. Compulsory Enterprise Questionnaire (Completed and signed)
13. Declaration certificate for local production and content for designated sectors and Annexure C.(Completed and signed)
14. Proof of Authority of Signatory
15. Declaration of Employees of the State or other State Institutions.
16. Proof of attendance of clarification meeting, an attendance register will be circulated for record purposes.
17. A valid original or certified copy of B-BBEE certificate must be submitted with the bid OR a valid original or certified copy of a Sworn Affidavit attested by a Commissioner of Oaths prepared and issued in terms of the amended B-BBEE Construction Sector Codes (CSC000) must be submitted in order to qualify for preference points for B-BBEE. Failure to comply with this, will automatically results in the non-awarding of points for B-BBEE. (This is not an Elimination factor).
18. This tender will be awarded as a whole. All Items listed in the Bills of Quantities or Pricing schedule must be priced for (except provisional sums and allowances which must also be added to the total), failure to do so will increase commercial risk of the bid and may lead to elimination or passing over of the bidder.
19. If the offer (any of the items quoted for) is "Vat Inclusive", the VAT registration number of service provider must be indicated. Bidders are not entitled to claim the VAT if they are not VAT registered.

Local Production and Content

Kindly note the correct **procedure to be followed by bidders when requesting exemption letters** is as follows:

If there is a particular designated product and the minimum threshold for local content cannot be met for various reasons, bidders must apply for an exemption. After checking with the industry, the dti will decide whether to grant an exemption or not.

Bidders are expected to write their request(s) on a company letterhead indicating the following information:

- Procuring entity/government department/state owned company,
- Tender/bid number,
- Closing date,
- Item(s) for which the exemption is being requested for,
 - Description of the goods, services or works for which the requested exemption item will be used for and the local content that can be met
 - Reason(s) for the request.
- Where feasible, supporting letters from local manufacturers/suppliers (if the bidder is not importing directly).

Please note the following:

- The exemption request is tender specific.
- The exemption request will not be considered after the tender closing date has lapsed.

Direct the request to:

Dr. Tebogo Makube

Chief Director: Industrial Procurement

Industrial Development Division

Tel: (012) 394 3927, Fax: (012) 394 4927

Industrial Procurement

The revised Preferential Procurement Policy Framework Act (PPPFA) regulations which came into effect on the 7 December 2011 empower the Department of Trade and Industry (the dti) to designate industries, sectors and sub-sectors for local production at a specified level of local content.

Select from the following industries, sectors and sub-sectors have so far been designated for local production with minimum local content thresholds for Steel Products and Components for construction that will applicable to this project.

Industry/sector/sub-sector	Minimum threshold for local content
Electrical and telecom cables	90%
Valves products and actuators	70%
Residential Electricity Meter :	
<ul style="list-style-type: none"> • Prepaid Electricity Meters • Post Paid Electricity Meters • SMART Meters 	<ul style="list-style-type: none"> • 70% • 70% • 50%
Working Vessels/Boats (All types):	60%
<ul style="list-style-type: none"> • Components 	<ul style="list-style-type: none"> • 10% - 100%
Conveyance Pipes	80% - 100%
Transformers and Shunt Reactors:	
<ul style="list-style-type: none"> • Class 0 • Class 1 • Class 2 • Class 3 • Class 4 	<ul style="list-style-type: none"> • 90% • 70% • 70% • 45% • 10%
<ul style="list-style-type: none"> • Components 	<ul style="list-style-type: none"> • 20% - 100%
Rail Signaling:	<ul style="list-style-type: none"> • 65%
Pumps, Medium Voltage (MV) Motor and Associated Accessories	70%
<ul style="list-style-type: none"> • Casting or Frame Fabrication • Fabrication and winding of the Rotor Core • Accessories • Assembly and testing of the fully-built unit 	<ul style="list-style-type: none"> • 100% • 100% • 100% • 100%
Electrical and telecom cables	<ul style="list-style-type: none"> • 65%

5.13	<p>Tender offers will only be accepted if:</p> <ul style="list-style-type: none"> h) Submits a valid SARS Tax Clearance Certificate or/and a tax compliance status document reflecting the pin for the Employer to verify that the tenderer is in good standing. i) the tenderer is registered on the Central Supplier Database (CSD) for the South African government (see https://secure.csd.gov.za/) unless it is a foreign supplier with no local registered entity j) Prospective bidders must register on CSD prior submitting bids (open tenders). Any prospective bidder found to have Tax matters not in order with SARS (verified through CSD) during the evaluation process (after being given an opportunity to rectify tax matters) will be eliminated and not be considered further in the process. Preferred bidder/s will be afforded an opportunity to rectify their tax affairs within 7 days. A bidder that fails to rectify its tax matters with SARS will be eliminated. k) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector. l) the tenderer has not: <ul style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect; and m) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract n) The tenderer has completed the declaration certificate for local production and content for designated sectors and Annexure C o) the tenderer is not more than three months in arrears in its municipal rates and taxes or municipal service charges, if applicable. Proof of payment to be supplied. Where no municipal rates are applicable, a proof of residence from the Councillor and a Sworn Affidavit from the SAPS stating that the tenderer is not liable for municipal rates must be supplied. p) NOTE: The amount reflected on the Form of Offer and Acceptance takes precedence over any other total amount indicated elsewhere in bidder's tender submission. If the Form of Offer and Acceptance has no value or figure, the bidder will be regarded as having made no offer. q) the tender has offered a market related offer. If the offer is believed not to be market related, the Municipality through its Supply Chain Management bid committees will attempt to negotiate the offer with identified bidder/s to a reasonable amount. Bidders are not allowed to increase their tender offers during this process. r) A Resolution of signatory form has been completed and signed by director/s or a letter bearing a letterhead of the tenderer has been attached (specific to this bid) to the bid submission; it must be duly signed by all directors and submitted the bid. Only a duly authorized official can sign the bid. s) The Municipality reserves the right not to award the bid to the most favourable tenderer, if any of the situations occur: <ul style="list-style-type: none"> • if it is not assisting in the advancement of designated groups. • the bidder has been awarded a considerable number of projects by the Municipality. • has performed unsatisfactorily in the past.
5.17	The number of paper copies of the signed contract to be provided by the employer is one.

C3: Scope of Work

1. INTRODUCTION OF THE PROJECT

To acquire services of a service provider for the supply and delivery of MV and LV Electrical Material.

2. PROJECT BACKGROUND

Heavy storms, severe lightning and snow always results in the damaging of the electrical network which causes a major impact on service delivery to the community serviced by Elundini Local Municipality, it is for that reason that the Municipality seeks the services of a service providers to supply and deliver materials on adhoc bases.

3. AIMS OF THE PROJECT

To minimize the turnaround time when responding to major electrical breakdowns.

4. SPECIFICATIONS

a)

4.1. TRANSFORMER'S SPECIFICATION

4.1.1. POLE & PLATFORM MOUNTED TRANSFORMERS: The following Specifications as per NRS 004 and SABS 780 covers the manufacture/ supply and delivery of Pole Mounted Transformers and Platform Mounted Transformers, suitable for use on 22Kv/420v (Three Phase) and 11Kv/420v (Three Phase), three phase and neutral – 50 Hz system.

4.1.2. TRANSFORMER COMPARTMENT: The transformers shall comply with the SABS 780 and shall be manufactured by a mark holder.

4.1.3. Three phase system

4.1.3.1. Vector Group: DYN 11

4.1.3.2. Primary Connections: Delta (Copper Windings – Aluminium not accepted)

4.1.3.3. Secondary Connections: Star (Copper Windings – Aluminium not accepted)

4.1.3.4. Type of cooling: ONAN (Oil Natural Air Natural)

4.1.3.5. MV tapping: $\pm 2,5\%$ In and $\pm 5\%$ offload switch (pad lockable)

4.1.3.6. Transformer oil: Only Virgin Insulating Oil, First filling to SABS 555

4.1.3.7. Transformer Lid: Welded

4.1.3.8. Colour: Avocado Green

4.1.3.9. Additional requirements: Lifting lugs, rating and diagram plate, oil level indicator, earth terminal and brackets to mount the Surge Arrestors on Transformers up to 315Kva

4.2. TRANSFORMER CORROSIVE APPLICATION

4.2.1. Transformer Tank: The transformer tank shall be zinc metal sprayed and painted in accordance with SABS 780 for corrosive application. Transformers to have porcelain bushings on MV and LV side

4.2.2. Radiator: All radiators are to be hot dip galvanized in accordance with the relevant requirements of SABS 763.

4.3. TRANSFORMER TECHNICAL INFORMATION

- 4.3.1. System Voltage (Primary Voltage) – 11Kv/22Kv
- 4.3.2. System Voltage (Secondary Voltage) – 420/242 Volt, at no load
- 4.3.3. Frequency 50Hz
- 4.3.4. Number of Phases (Medium Voltage) Three
- 4.3.5. Number of phases (Low Voltage) Three phase Four wire
- 4.3.6. Altitude – Sea Level
- 4.3.7. Average power factor – Above 0,8
- 4.3.8. Neutral – Earthed (The Neutral of the 420/242 Volts Secondary side of the transformer will be earth)

5. TRANSFORMERS TO BE SUPPLIED

5.1. Three Phase

Item	Description	Quantity	Material Rate, 1 st year	Material Rate, 2 nd year	Material Rate, 3 rd year	Total Vat Inc.
1	50Kva 11KV/420V (Pole Mounted brackets) Inland	1				
2	100Kva 11KV/420V (Pole Mounted brackets) Inland	1				
3	200Kva 11KV/420V ((Pole Mounted and Platform/base brackets) Inland	1				
4	315Kva 11KV/420V (Platform/base brackets) Inland	1				
5	500Kva 11KV/420V (Platform/base brackets) Inland	1				
6	50Kva 22KV/420V Pole mount Inland	1				
7	100Kva 22KV/420V Pole mount Inland	1				
8	315 Kva 22Kv/420V (Platform/base brackets) Inland	1				
9	500Kva 22Kv/420V Ground mounted Inland	1				

b)

5.2. Dual Phase

c)

d)	10	e) 64Kva 11Kv/242 – 230v) (Pole Mounted brackets) Inland	1	f)	g)	h)	i)
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- 5.2.1. Additional requirements: Lifting lugs, rating and diagram plate, oil level indicator, earth terminal and brackets to mount the Surge Arrestors

6. MINIATURE SUBSTATIONS SPECIFICATION

6.1. GENERAL

- 6.1.1. The following Specifications as per NRS 004 and SABS 780 covers the manufacture / supply and installation of miniature substations suitable for use on 11Kv (three phase) and 420 volt (three phase and neutral) 50 Hz system.

7. Housing

- 7.1. Only steel housing will be accepted.

8. Doors

- 8.1. Butt – Hinges shall be used to hang the doors and all entry doors are to have Danger signs. The hinges shall be of Stainless steel. Nylon, aluminium, Piano hinges are not acceptable. Steel enclosures must have danger signs laminated into the doors. At least three hinges shall be provided on large doors higher than 1,2m or wider than 1,2m. Brass screws and nuts shall be used to fix the hinges on the miniature substations, the locking mechanism shall be pad lockable, the locking system shall be of the three point locking system with stainless steel or hot dipped galvanised locking rods with a minimum diameter of 8mm.the miniature substations lever lock handles and components including attaching screws will all be manufactured out of stainless steel.

9. Labelling

- 9.1. All equipment shall be fully labelled and accurate description shall be given.

10. Ring main unit (RMU)

- 10.1. The Ring Main Unit will be a 12KV/24KV vacuum circuit-breaker for protecting transformers and cable connections complying with NRS and IEC Specifications for medium voltage switch gear. Each unit will comprise of the following configuration: 630A isolating ring incomer, 200A circuit breaker feed to transformer and a 630A Isolator for the outgoing ring.
- 10.2. Normal current – 630A
- 10.3. Breaking current – 20Ka
- 10.4. Short-circuit making current – 50Ka
- 10.5. Short-time withstand current – 20-3Ka-s

11. **Earth Fault Indicator:** An earth fault indicator must be fitted to each Miniature Substation. The earth fault shall be the following specifications:

- 11.1. Power Source: Mains Supply 220-240V AC 50HZ
- 11.2. Network Voltage Range: 1 – 12Kv

- 11.3. Impulse Voltage withstand :10Kv, 1.2/50Us Wave Form
- 11.4. Trip Current: Standard Model 50A approximately 10%
- 11.5. Primary Indication: Flashing LED @ 1Hz
- 11.6. Flashing Duration: 8 hours nominal
- 11.7. Min. Fault Duration: 2.5 cycles
- 11.8. Manual Reset:10 seconds after mains restore
- 11.9. Degree of Protection: IP65

12. Remote Indicator

- 12.1. Indication method: Flashing LED @ 1 Hz
- 12.2. Flashing Duration: 4 hours nominal
- 12.3. Dimensions: M12 Hex Bolt 50mm long

13. Transformer Compartment

- 13.1. The transformer shall comply with SABS 780 and shall be manufactured by a mark holder.

14. Transformer Specifications

- 14.1. Vector Group: DYN 11
- 14.2. Primary connections : Delta (Copper Windings – Aluminum not accepted)
- 14.3. Secondary connections : Star (Copper Windings – Aluminum not accepted)
- 14.4. Type of cooling : ONAN (Oil Natural Air Natural)
- 14.5. M.V. tapping : +- 2,5% In and +- 5% offload switch (pad lockable)
- 14.6. Transformer oil: Only Virgin Insulating Oil. First filling to SABS 555
- 14.7. Transformer Lid: Welded

15. Transformer Corrosive Application

- 15.1. Transformer Tank
- 15.2. The transformer tank shall be zinc metal sprayed and painted in accordance with SABS 780 for corrosive application. Transformers to have porcelain bushings on MV and LV side.

16. Radiator

- 16.1. All radiators are to be hot dip galvanized in accordance with the relevant requirements of SABS 763.

17. Transformer Technical Information

- 17.1. System Voltage (Primary Voltage) -11KV
- 17.2. System Voltage (Secondary Voltage) 420/242 Volt, at no load. Frequency 50hz
- 17.3. Number of phases (Medium Voltage) Three
- 17.4. Number of phases (Low Voltage) Three phase Four wire
- 17.5. KVA Rating 315KVA at 11 Kv (315 KVA Mini substation)
- 17.6. KVA Rating 500KVA at 11 Kv (500 KVA Mini substation)
- 17.7. Altitude – Sea Level
- 17.8. Average humidity – 75%
- 17.9. Lightning – Severe
- 17.10. Average power factor – Above 0,8
- 17.11. Neutral – Earthed
- 17.12. The Neutrals of the 420/242 Volt Secondary side of the transformer will be earthed.

18. MINIATURE SUBSTATION – LOW VOLTAGE COMPARTMENT 420v

18.1. Rating of the Low Voltage Neutral Terminals (S A B S 7801

- 18.1.1. The rating of the low voltage neutral terminal shall be at least 50% of the rated current of the line terminals in the case of a transformer that has a rating of 630KVA or lower, the rating of the neutral bushing shall be the same as that of the line terminals. In the case of a miniature substation transformer, the rating of the neutral terminal shall be the same as that of the line terminals.

19. Internal Wiring

- 19.1. Standard 600/1000 Volt grade PVC insulated stranded annealed copper conductors to SABS 150 and SABS 780 shall be used for the internal wiring.
- 19.2. Wiring shall be installed away from exposed metal edges or shall be protected where crossing metal edges.
- 19.3. Joints in the wiring are not acceptable
- 19.4. Where conductors change direction, smooth bends shall be formed with a radius of at least five times the outside diameter of the conductor.

20. Conductor Terminations

- 20.1. All conductors terminating on equipment with screwed terminals shall be fitted with lugs. The lugs shall be crimped to the end of the conductor with the correct amount of insulation removed from the end to fit into the lug. Strands may not be cut from the end of the conductor.
- 20.2. All lugs are to be Hex Crimped. Hex crimped by means of a correctly matched crimping tool that only releases after full compression has been employed. Arrangements which result in two lugs on top of each other on one terminal are unacceptable.

21. Phase Identification

- 21.1. The colour of the conductor for all 420-242 Volt circuits shall correspond to the colour of the supply phase for that circuit (i.e. red, white and blue). All phases are to be correctly colour coded. The required colours are:
- 21.2. Busbars shall be colour coded according the preferred colours of red, white, blue and black by means of a clearly visible plastic washer of diameter of at least 25mm.
- 21.3. RED, WHITE, BLUE – Live phases; and BLACK – Neutral

22. Copper Busbars

- 22.1. Busbars shall be made of hard drawn copper and shall comply with the requirements of SAGS 1195 where relevant. The current density shall not exceed 1,8A/mm². Busbars shall be tinned and no bare copper busbar shall be accepted. No heat shrink sleeving or tape wrapping shall be applied. The neutral busbar shall be dimensioned similarly to the other busbars. Clearance to earth and between phases shall be at least 20mm, unless otherwise specified by the Engineer.
- 22.2. The LV panel and the busbars shall be able to withstand the effects of the rated short time current available at the terminals of the transformer.

23. Earth Busbar

- 23.1. A rectangular section earth busbar of bare hard drawn copper shall be provided to facilitate earthing of cable sheaths and armour. It shall have a cross sectional area of at least 70mm² and a minimum width of 25mm.
- 23.2. Earth Busbars must have sufficient holes prepunched in them at least 5x11m, 4x12m, 4x7m

24. Main Circuit Breakers

- 24.1. Transformer shall be fitted on LV side with a main circuit breaker (as in figure 2) with correct Ka ratings and amperage feeding the LV busbars for 315KVA 450A and 500KVA 750A. The circuit breaker shall have a hydraulic / magnetic tripping mechanism; no thermal tripping mechanisms will be approved.

25. MV Compartment Heater

- 25.1.** Two by HRC fuses shall be provided and prewired from the main LV busbars going to the two isolating rings of the RMU. Both ring compartments shall have a 25 watt heater fitted in such a manner as to be out of the way when terminations are made off. These heaters are too prevent condensation forming in the Isolating ring Compartments

26. Metering

- 26.1.** Miniature Substation is to include a voltmeter 0-500v of size 90x90mm. A seven position voltmeter selector switch protected by three 32A fuse holders with 6A HRC Fuses shall be used o select the various phases.
- 26.2.** Ammeters shall be flush mounted 90x90mm with instantaneous METERING and maximum demand over a 15 minute period. Each phase shall be colour coded fed by current transformers ever the main busbars. A 315Kva shall have a 500/5 ratio ct and an 500Kva a 800/5. All current "transformers shall be to IEC60044/1 with a burden of 15VA Class 1.

27. Plug Socket and Lighting

- 27.1.** A 20A Earth Leakage Unit with push trip button shall be fitted and supplies with a 15A industrial socket outlet and 5A light switch socket with bayonet lamp holder for LV Lighting. The earth leakage shall be protected by a 20A HRC Fuse.

28. Streetlight Circuit

- 28.1.** Provision must also be made in the low voltage compartment for a street light circuit / control circuit.

29. Cable Clamping and Glandplates

- 29.1.** The LV compartment shall be fitted with either a cable clamping rail or removable individual glandplates, the latter being undrilled except where holes are called for in the Engineering specification
- 29.2.** The distance from the glandplate to toe top of the plinth shall be at least 75mm, and there shall be at least 350mm between the Glandplate and the nearest terminals of the outgoing LV circuit.

29.3. Glandplates shall be made of corrosion protected mild steel of thickness at least 3mm.

30. MINIATURE SUBSTATIONS TO BE SUPPLIED

11	315KVA 11KV/400V Mini substation	1				
12	500KVA 11KV/400V Mini substation	1				
13	1MVA 22KV/400V Mini substation	1				
14	315KVA 22KV/400V Mini substation	1				
15	500KVA 22KV/400V Mini substation	1				
16	1MVA 11KV/400V Mini substation	1				

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31. MEDIUM VOLTAGE CABLES

17	120mm ² XLPE 3 Core Steel Belted Cable	1				
18	185mm ² XLPE 3 Core Steel Belted Cable	1				
19	95mm ² XLPE 3 Core Steel Belted Cable	1				
20	70mm ² XLPE 3 Core Steel Belted Cable	1				
21	35mm ² XLPE 3 Core Steel Belted Cable	1				

32. LOW VOLTAGE CABLES

22	10mm ² x 4 Core PVC SWA SANS 1507	1				
23	35mm ² x 4 Core PVC SWA SANS 1507	1				
24	70mm ² x 4 Core PVC SWA SANS 1507	1				
25	95mm ² x 4 Core PVC SWA SANS 1507	1				
26	16mm ² x 4 Core PVC SWA SANS 1507	1				
27	Airdac SNE 10mm ² SANS 1507-6	1				
28	Airdac CNE 4mm ² SANS 1507-6	1				

33. LOW VOLTAGE LUGS & FERRULES

29	10mm ² x12mm ² Lug	1				
30	16mm ² x12mm ² Lug	1				
31	35mm ² x12mm ² Lug	1				
32	70mm ² x 12mm ² Lugs	1				
33	95mm ² x 12mm ² Lugs	1				
34	120mm ² x 12mm ² Lugs	1				

35	10mm ² FERRULES	1				
36	16mm ² FERRULES					
37	35mm ² FERRULES	1				
38	70mm ² FERRULES	1				
39	95mm ² FERRULES	1				
40	120mm ² FERRULES	1				

34. LOW VOLTAGE SPLICING KITS

41	Heat Shrink Terminations	1				
42	Heat Shrink Joints	1				
43	P2-S Joint kit 10-16mm ² cable full armour	1				
44	P2-S Joint kit 25-50mm ² cable full armour	1				
45	P2-S Joint kit 50-70mm ² cable full armour	1				
46	4 core LV Cable boot heat shrink 10-16mm ²	1				
47	4 core LV Cable boot heat shrink 25-35mm ² ,	1				
48	4 core LV Cable boot heat shrink 35-50mm ²	1				
49	4 core LV Cable boot heat shrink 50-70mm ²	1				
50	4 core LV Cable boot heat shrink 70-95mm ²	1				

35. STREET LIGHT FITTINGS AND LAMPS

51	27W LED FITTING	1				
52	46W LED FITTING	1				
53	53 W LED FITTING	1				
54	108 W LED FITTING	1				
55	451W LED FITTING	1				
56	DAY NIGHT SWITCH NATIONAL NS116	1				
57	NC11210M-CHINT 12A 5 5KW CONT. 230V	1				
58	MicroMINI Pro 5A 25µF	1				

36. STREET LIGHT POLES

59	9M MH BEKA FIBREGLASS POLE C/W MOULDED OUTREACH ARM & ACCESS DOOR	1				
60	8M MH BEKA FIBREGLASS POLE C/W MOULDED OUTREACH ARM & ACCESS DOOR	1				
60	10M MH BEKA FIBREGLASS POLE C/W MOULDED OUTREACH	1				

	ARM & ACCESS DOOR					
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37. ELECTRICAL EQUIPMENT

61	Link Stick	1				
62	Hydraulic MV Crimper	1				
63	Multimeter Fluke tester	1				
64	Climbing shoes	1				
65	Safety Harness	1				
66	Pop rivet gun	1				
67	Electrical Drilling Machine	1				
68	Electrical Steam Wash	1				
69	Working Earth	1				

38. LV and MVLINE MATERIALS

70	9m treated wood poles 149-159 top Dia	1				
71	11m treated wood poles 160-179 top Dia	1				
72	7m treated wood poles 149-159 top Dia	1				
73	5m treated wood poles 149-159 top Dia	1				
74	R/board 20/60A Split Meter + CHINT MCBS D3176 R0 SAP 0229831	1				
75	Aluminium conductor mink	1				
76	Preform joints mink	1				
77	Bimetal lugs	1				
78	L Bracket (for JNPs)	1				
79	L bracket	1				
80	Long rod silicon	1				
81	Cleave thimble	1				
82	Short spindle bolts	1				
83	Long spindle bolts	1				
84	Bracing straps	1				
85	Cut out fuse	1				
86	Solid cut out fuse	1				
87	Fuse link 10A	1				
88	Fuse link 15A	1				
89	Fuse link 20A	1				
90	Fuse link 25A	1				
91	Fuse link 30A	1				
92	Fuse link 80A	1				

93	Mosdoff fuse 63A	1				
94	Mosdoff fuse 80A	1				
95	Mosdoff fuse 160A	1				
96	Mosdoff fuse 180A	1				
97	Mosdoff fuse Holder	1				
98	Eye bolt	1				
99	Eye nuts	1				
100	300mm Threaded bolts	1				
101	600mm Threaded bolts	1				
102	3.3 Earthing wire	1				
103	Bonding clamp for Earthing	1				
104	MV Stay rods and plates	1				
105	Stay wire	1				
106	Pistol grip	1				
107	MV Stay perform	1				
108	Tie back/ side tie	1				
109	Upright insulator silicon	1				
110	LV Stay rods and plates	1				
111	Curved washers	1				
112	Full Tension Ferrules	1				
113	D shackles	1				
114	U Nails	1				
115	XARM, WOOD 3.5m x 140-159 TOP DIA.	1				
116	cabl clips 12mm	1				
117	CLAMP,STRAIN O/H CONC 4/10mm CABLE D3067	1				
118	Stay insulator	1				
119	Mink rod block tie	1				
120	Bare Copper conductor for Earthing	1				
121	Insulation tape all colours	1				
122	Rubber tape	1				
123	Scotch fill	1				
124	IPC Main-16mm-95mm / Tap-1.5mm-10mm PC1WP1F-0175104	1				
125	IPC Main-16mm-95mm / Tap-1.5mm-10mm BC2WP1F-0165498	1				

126	IPC Main-16mm-95mm / Tap-1.5mm-10mm BC2WP1F-0165521	1				
127	straptite 12x0.7 x30m 304	1				
128	T120R cable ties	1				
129	Prtty scotch fill	1				
130	Plate alu pole 150x25x0.9 mm 3049 D3049 R9 SAP 0172393	1				
131	XARM, WOOD 2.5m x 140-159 TOP DIA.	1				
132	CLAMP,STR WEDGE 35-50SQ B/NTRL ABC D- DT 3060	1				
133	70*3+50 BN +25 SL ABC To SABS 1418	1				
134	35*3+50 BN +25 SL ABC To SABS 1418	1				
135	9 WAY POLYETHYLENE PTB: UNIT SIZE DIMENSION: 565(H)x507(W)x171(D) POLYETHYLENE CONSTRUCTION TOP HINGED DOOR STAINLESS STEEL LOCKING LUG POLE MOUNTING BRACKET DOOR STAY COLOR - GREY WIRED WITH 1.5M TAILS 9 x 50 AMP MCB DIN RAIL FOR 9 x SPLIT PRE PAID METERS 11 x NO.1 COMPRESSION GLANDS NEUTRAL BARS ESKOM APPROVED SAP 567825	1				
136	63A Single phase MCB slow curve	1				
137	40A Three phase MCB slow curve	1				
138	80A Three phase MCB slow curve	1				
139	160A Three phase MCB(big frame)	1				
140	Tape warn red, white, blue & black 75mmx500m LG.D-DT3217	1				

39. TOOLS

Description					
All-weather Mobile 7 drawer Tool Chest (Green & Tan)	1				
Crimp tools 5.5-25mm	1				
Crimp tools Hex 6--120mm	1				
Cutter Core Ratchet 50mm	1				
Pliers 200mm	1				
Pliers Groove Joint 250mm	1				
Long nose 200mm	1				
Diagonal cutters 180mm	1				
Joint pliers	1				
Screwdrivers Set 7 Piece Insulated 1000v	1				
Hacksaws Professional Moulded Grip	1				
Hacksaw blades 18T -Eclipse Rough	1				
Hammer Club 1.1 Kg	1				
Hammer All steel claw	1				
Wrench Adjustable 300mm	1				
Magnetic tape measure Self Locking	1				
Spirit levels 450mm	1				
Knife and Striper retractable utility	1				
Bi-metal holesaw kit 15 piece	1				
Universal key set	1				
Allen keys set 9 Piece	1				
Fish tapes 60m	1				
Stainless Steel ruler 300mm	1				
Combination Spanners 6-22;24 & 30	1				
Ratchets Spanner 17 & 19 (combination)	1				
Ratchets Spanner 24 & 30 (combination)	1				
File set	1				
Straight pattern tin snip	1				
Revesable ratchet	1				
Extension bars HT285125 and HT285250	1 each				
6-Pont sockets 10mm ² ,13mm ² ,17mm ² ,19mm ² ,22mm ² ,24mm ² and 30mm ²	1 each				
Dies H1851016D-10mm ² &16mm ² dual dies	1				

Dies H1852535D-25mm ² &35mm ² dual dies	1				
Dies H185070D-50mm ² &70mm ² dual dies	1				
Dies H1859512D-95mm ² &120mm ² dual dies	1				
Dies H185150D-150mm ² single dies	1				

40. ELECTRICAL METERS

Item	Description	Quantity	Material Rate, 1 st year	Material Rate, 2 nd year	Material Rate, 3 rd year	Total Vat Inc.
1	Single Phase two wire Smart Meter	1				
2	Three Phase Four Wire Smart Meter	1				
3	CT/VT Smart Meter	1				

41. DISTRIBUTION METERING GROUND MOUNTED ENCLOSURES

41.1. SPECIFICATION FOR ENCLOSURES

Features of our polyethylene enclosures: Distribution Kiosks, Polyethylene: 4-Way, 6-Way, 9-Way, 12-Way

- Shall be manufactured from compounded dark grey UV stabilised Linear Low Density Polyethylene (LLDPE) using rotational moulding
- The design of the unit to be such that all external surfaces are "rounded" to prevent buckling
- Shall be rigidly moulded and have high impact resistance and dielectric strength.
- Kiosk wall thickness shall be at least 4mm throughout.
- LLDPE used must be chemically resistant and resistant to deterioration from prolonged contact with soil and/or moisture.
- Must be resistant to abrasion and heat and specifically treated with stabilising additives to provide enhanced UV breakdown resistance. (Up to 25 years outdoor UV Protection)
- Materials used must be free from blow holes and defects.

Frame:

- Root must be moulded incorporating a self-supporting polyethylene equipment mounting panel, so as to decrease the likelihood of condensation.
- The frame must contain a 19mm wooden block board inserted the whole width and length of the frame

Dimensions Description	6 way	9 way	12 way
<u>Front view</u>			
Body height	980	100	1200
Base height	330	330	330
Door height	800	1000	1000
Body width	520	675	675
Door width	400	540	540
Base width	750	850	850
<u>Side view</u>			
Total height	1310	1310	1530
Body width	480	480	480
Base width	700	680	680

Colouring

All Kiosks shall be coloured "Dark Grey."

Doors & Hinges

- Must be manufactured from polyethylene.
- Doors to have a 40 x 40mm internal perimeter stiffener as well as a 20 x 3mm s/steel support across the lock section to eliminate tampering.
- Danger labels on the doors must be of the mould-in graphic type.
- Doors must open at least 130 degrees with hinges being an integral part of the moulding process.
- No piano hinges will be accepted.
- Doors to be removable on site for ease of installation, maintenance and replacement (where necessary).
- Stainless steel standard pad lockable facilities to be provided for both doors
- A polyethylene legend holder with card must be riveted to the inside of the consumer door.
- All rivets, bolts, nuts, washers and set screws must be Stainless Steel.

Din Rail

Two lengths of 35mm perforated din rail to be fitted the width of the back board on the consumer side for mounting of CB's and split meters.

Cable Termination

Galvanised heavy duty Unistrut 40 x 20mm is to be installed on both the incomer and consumer side of the kiosk, for cable termination and must be connected to the Earth and neutral bars by means of 70mm sq cable

Busbars

- All kiosks must be fitted with phase busbars, earth bars and neutral bars.
- All Busbars to be high conductivity tinned copper.
- Phase Busbars are to be mounted horizontally on a moulded 3Ph staggered polyethylene Busbar holder.
- Phase Busbars must be capable of accommodating 3 x 300mm cables (per phase) and must be heatshrink colour coded red, white, and blue.
- A polyethylene Busbar shroud, which is enclosed on top and sides for safety, to be fitted over the phase Busbars.
- The Busbar shroud is to include a mould-in graphics danger label, as well as a trafalite danger live Busbars label.
- Busbars must be predrilled prior to tinning or galvanising.
- Busbars must be fitted with close tolerance stainless steel bolts, nuts, spring and flat washers at all connecting points.
- Neutral bars are to be fitted to the main busbar side of the kiosk

Distribution Kiosk Type	Main & Neutral Busbars		
	Cross Section (mm)	Pre-drilling Requirements (Excl Mountings) (mm dia)	
		Main Busbars	Neutral Busbar
4-Way	25 x 6 (470A)	2 x 6.5 / 2 x 10.5	6 x 6.5 / 2 x 10.5
6-Way	25 x 6 (470A)	3 x 6.5 / 3 x 10.5	9 x 6.5 / 3 x 10.5
9-Way	32 x 6 (560A)	4 x 6.5 / 3 x 10.5	12 x 6.5 / 3 x 10.5
12-Way	32 x 6 (560A)	6 x 6.5 / 3 x 10.5	15 x 6.5 / 3 x 10.5

ENCLOSURES TO BE SUPPLIED

141	4 Way	1				
142	6 Way	1				
143	9 Way	1				
144	12 Way	1				

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l) Service providers to supply above mentioned materials, tools, equipment and meters but not limited to.

42. DELIVERY

42.1. All requested material must be delivered to the ELM Stores Maclear within 48 hours from the time of request.

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43. WARRANTY

- 43.1. All material delivered must be SABS approved with a 2 year warranty.

44. LOCAL CONTENT

- 44.1. A local content form should be filled for all the local content materials and cables.

45. DELIVERABLES

- 45.1. Letter of acceptance from the appointed service provider.
45.2. Submission of professional indemnity insurance certificate.
45.3. Warranty for the period of 2 years.
45.4. Projected price escalation from year 2 to be included on the bid document.

46. KEY COMPETENCIES

- 46.1. The service provider appointed should demonstrate the following key competencies.
17.1.1. Proven track record for good services on supply and delivery of MV and LV material.
17.1.2. The supplier should be credible and reliable.
17.1.3. Ability to supply within specified timeframe.

47. PROJECT TIMEFRAME

- 47.1. The project timeframe is for 3 years period with an option of renewal for another 6 months based on the performance and relations with the preferred supplier.
47.2. Price escalation is permissible as from year 2 based on the CPI Index

48. PROJECT BUDGET

The supplier should quote for the supply and delivery of all materials listed above.

INSTRUCTIONS TO BIDDERS

1. Services to be provided

These services required by the Contracting Authority are described in these Terms of Reference.

2. Participating and sub-contracting

- 2.1 Participation in this bid is open to everyone.
- 2.2 Bids should be submitted by the same service provider or consortium, which has submitted the proposal on the basis of the above. **No change whatsoever in the identity or composition of the bidder is permitted;**
- 2.3 Short-listed service provider or consortia are allowed to form alliances with any other firms or to sub-contract to each other for the purpose of this contract;

- 2.4 Sub-contracting will be allowed, only in so far as it was stated in the initial bid.
- 2.5 Duplication of bid document is prohibited.

3. Contents of Bids

Bid must comprise of a financial offer must be submitted with the bid.

4. Financial offer

The financial offer must state the bidder's price in South African Rand for providing the services according to its Technical offer.

The same person, who signed the corresponding must sign this document.

5. Presentations / Adjudication

The Evaluation Committee may call for presentation by the short-listed bidders, after having established its written provisional conclusions but before concluding the technical evaluation.

The date and time of any such presentation will be confirmed or notified to the short-listed bidders at least seven days in advance. If a bidder is prevented from attending presentation by force majeure, a mutually convenient alternative appointment may be arranged with the bidder. If the bidder is unable to attend this second appointment, its bids will be eliminated from the evaluation process.

6. Variant solutions

Any variant solutions will not be taken into consideration.

Period during which Bid are binding

Bidders are bound by their bids for 150 days after the deadline for the submission of bids. In exceptional cases, before the period of validity expires, the Contracting Authority may ask bidders to extend the period for a specific number of days, which may not exceed 40.

The successful bidder must maintain its bid for a further 60 days from the date of notification that its bid has been selected for the contract.

7. Additional information before the deadline for submission of bidders

The bid dossier should be clear enough to avoid the Contracting Authority from having request additional information during the procedure. If the Contracting Authority, either on own initiative or in response to the request of a short-listed candidate, provides additional information on the bid dossier, such information will be sent in writing to all other bidders at the same time.

Bidders may submit questions in writing to the following address up to 10 days before the deadlines for submission of bids, specifying the **publication reference** and the **contract title**:

Attention: Mr. M. Zwakala
Elundini Local Municipality
P.O. Box 1
Maclear
5470
Email: mzolisiz@elundini.gov.za

Any prospective bidders seeking to arrange individual meetings with either the Contracting Authority during the bid period may be excluded from the bid procedure.

Any clarification of the bid dossier will be communicated simultaneously in writing to all bidders at the latest 7 calendar days before the deadline for submission of bids. No further clarifications will be given after this date. Visit by individual prospective bidder during the bid period are not permitted other than the site visit for good reasons.

8. Submission of Bids

Bids must be submitted in English such that they are received before the deadline specified by in the letter of invitation to bid.

Any infringement of these rules (e.g. unsealed envelopes) is to be considered a breach of the rules, and will lead to rejection of the bid.

The envelope should carry the following information:

- n) The address for submission of bid indicated above;);
- o) The words "Not to be opened before the bid opening sessions";
- p) The pages of the Technical and Financial offers must be numbered.

9. Alterations or Withdrawal of Bids

9.1 Bidders may alter or withdraw bids by written notification prior to the deadline for submission of bids. No bid may be altered after this deadline.

9.2 Any such notification of alteration or withdrawal shall be prepared and submitted in accordance with clause 8. The envelope must be marked "Alteration" or "Withdrawal" as appropriate.

10. Costs for preparing Bids

No costs incurred by the bidder in preparing and submitting the bid shall be reimbursable. All such costs shall be borne by the bidder. In particular, if proposed key members were interviewed, all costs shall be borne by the bidder.

11. Ownership of Bids

The Contracting Authority retains ownership in all bid received (this excludes intellectual property for all but the successful bidder) under this tendering procedure. Consequently, bidders have no right to have their bids returned to them.

12. Confidentiality

The entire evaluation procedure, from the drawing up of the shortlist to the signature of the contract, is confidential. The Evaluation / Adjudication Committee's decisions are collective and its deliberations are held in closed session. The members of the Evaluation / Adjudication Committee are bound to secrecy.

The evaluation reports and written records, in particular, are for official use only and may be communicated to neither the bidders nor to any party other than the Contracting Authority.

13. Ethics clauses / Corruptive practices

- a) Any attempt by a bidder to obtain confidential information, enter into unlawful agreements with competitors or influence the Evaluation / Adjudication Committee or the Contracting Authority during the process of examining, clarifying, evaluating, comparing and adjudication bid will lead to the rejection of its bid and may result in administrative penalties.
- b) The bidder must not be affected by any potential conflict of interest.
- c) The Elundini Local Municipality reserves the right to suspend or cancel funding to this project if corrupt practices of any kind are discovered at any stage of the award process or during the implementation of a contract, if the Contracting Authority fails to take all appropriate measures to remedy the situation. For the purposes of this provision, "corrupt practices" are the offer of a bribe, gift, gratuity or commission to any person as an inducement or reward for performing or refraining from any act relating to the award of a contract or implementation of a contract already concluded with the Contracting Authority.
- d) Bids will be rejected or contracts terminated if it emerges that the award or execution of a contract has given rise to unusual commercial expenses. Such unusual commercial expenses are commissions not mentioned in the main contract or not stemming from a properly concluded contract referring to the main contract, commissions not paid in return for any actual and legitimate service, commissions paid to a payee who is not clearly identified or commissions paid to a company which has every appearance of being a front company.

Failure to comply with one or more of the ethics clauses may result in the exclusion of the bidder or contractor from other Community contracts and in penalties.

14. Documentary evidence required from the successful Bidder

The successful bidder will be informed in writing that its bid has been accepted (notification of award). Before the Contracting Authority signs the contract with a Successful bidder, a successful bidder may be requested to provide additional information as deemed necessary by the Contracting Authority.

This evidence or these documents must carry a date, which cannot be more than 180 days in relation to the deadline for the submission of the bidder. In addition, a sworn statement shall be furnished stating that the situations described in these documents have not changed since then.

If the successful bidder fails to provide these documents or is found to have provided false information, the award will be considered null and void. In such a case, the Contracting Authority may award the bid to another bidder or cancel the bid procedure.

15. Signature of contract(s)

Within 7 days of receipt of the contract already signed by the Contracting Authority, the selected bidder shall sign and date the contract and return it to the Contracting Authority.

Failure of the selected bidder to comply with this requirement may constitute grounds for the annulment of the decision to award the contract. In such a case, the Contracting Authority may award the bid to another bidder or cancel the bid procedure.

The other candidates will be informed that their bids were not accepted, by means of a standard letter.

16. Cancellation of the Bids procedure

In the event of cancellation of the bid procedure, bidders will be notified of the cancellation by the Contracting Authority. If the bid procedure is cancelled before the envelopes of any bid has been opened, the unopened and sealed envelopes will be returned to the bidders.

Cancellation may occur when:

- The bid procedure has been unsuccessful, i.e., no qualitatively or financially worthwhile bid has been received or there is no response at all;

- The economic or technical data of the project have been fundamentally altered;
- Exceptional circumstances or *force majeure* render normal performance of the contract impossible;
- All technically compliant bids exceed the financial resources available;
- There have been irregularities in the procedure, in particular where these have prevented fair competition.

In no event shall the Contracting Authority be liable for any damages whatsoever including, without limitation, damages for loss of profits, in any way connected with the cancellation of a bid even if the Contracting Authority has been advised of the possibility of damages.

The publication of a procurement notice does not commit the Contracting Authority to implement the programme or project announced.