



TENDER NO:36/2024

TENDER FOR SUPPLY AND DELIVERY OF TRANSFORMERS ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THREE YEARS.

CENTRAL SUPPLIER DATABASE (CSD) MAAA

TAX COMPLIANCE STATUS (TCS) PIN NO:

TELEPHONE No:

TELEFAX No:

E-MAIL ADDRESS:

ADDRESS:

Issued by:
Municipal Manager
Lesedi Local Municipality
P O Box 201
HEIDELBERG
1438



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**PART A
INVITATION TO BID**

MBD1

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (LESEDI LOCAL MUNICIPALITY)					
BID NUMBER:	36/2024	CLOSING DATE:	12 NOVEMBER 2024	CLOSING TIME:	12H00
DESCRIPTION	SUPPLY AND DELIVERY OF TRANSFORMERS ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THREE YEARS.				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					

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

Supply Chain Management Unit					
Lesedi Local Municipal Building					
Corner HF Verwoerd and Du Preez Street					
Heidelberg					
1438					
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL-ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		☐ Yes ☐ No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED			TOTAL BID PRICE		R
SIGNATURE OF BIDDER			DATE		
CAPACITY UNDER WHICH THIS BID IS SIGNED					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL INFORMATION MAY BE DIRECTED TO:		

DEPARTMENT	SCM	DEPARTMENT	STORES
CONTACT PERSON	Ms. Sibulelo Mokoena	CONTACT PERSON	MR. BOIKOKOBETSO MOFOKENG
TELEPHONE NUMBER	016 492 0202	TELEPHONE NUMBER	016 492 0250
E-MAIL ADDRESS	sibulelom@lesedi.gov.za	E-MAIL -ADDRESS	boikokobetso.mofokeng@lesedi.gov.za



PART B
TERMS AND CONDITIONS FOR BIDDING

BID SUBMISSION:

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

ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED– (NOT TO BE RE-TYPED)

THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

TAX COMPLIANCE REQUIREMENTS

BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.

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

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

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

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

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

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

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA) ☐ YES ☐ NO

DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA ☐ YES ☐ NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION ☐ YES ☐ NO

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

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

DATE:



ADVERTISED IN: SOWETAN
PUBLISHING DATE: 08 OCTOBER 2024
TENDER NOTICE: 36/2024

Tenders are hereby invited for the following Office: Stores

TENDER NO: 36/2024

SUPPLY AND DELIVERY OF TRANSFORMERS ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THREE YEARS.

Adjudication:

Tenders will be evaluated using functionality evaluation criteria of **100 points** of which the bidder is required to score the minimum of **80 points** in order to be considered for further evaluation. Tenders will be evaluated using the 80/20 preference point system which awards **80 points for Price** and **20 points for attaining the Specific Goals** in accordance with the table below:

SPECIFIC GOALS (20 POINTS)				
HDI (% Shareholding) (proof of points claimed required)	Youth	Woman	Disabled	Black
	3	5	2	5
Area of Origin (proof of Street address required)	Sedibeng (DISTRICT)		Gauteng (PROVINCE)	
	3		2	
PRICE	80			
TOTAL POINTS	100			

Documents Collection: Documents can be downloaded from the e-portal or Lesedi Local Municipality's Website.

Technical Enquiries: Mr. Boikokobetso Mofokeng
Tender Documents : Ms. Sibulelo Mokoena

Tel: (016) 492 0250
Tel : (016) 492 0202

Documents available: As from 10 October 2024 on <https://lesedi-lm.gauteng.gov.za> or www.etenders.gov.za.

Closing date: 12 November 2024 Time: 12:00

Tender Box: Venue: Tender boxes are situated at the Supply Chain Management Unit, situated on the upper level of the West Wing of the Lesedi Local Municipality Civic Centre, Corner Du Preez and HF Verwoerd Streets in Heidelberg.

COMPULSORY TENDER DOCUMENTS:

1. Tax Clearance Certificate / Tax Compliance Status documents with Pin. Each company within the Joint Venture / Consortium must submit Tax Clearance Certificate or a copy of Tax Compliance Status document with Pin and VAT certificate if applicable.
2. Certified copies of all directors ID.
3. Copy of company registration documents.
4. Copy of latest municipal account (**Rates, Taxes and Services**) which is not more than 3 months old at the time of closing. The bidding entity as well as all its directors must submit a Municipal account which is not more than three (3) months in arrears
Or valid lease agreement which is in the name of the entity. If the director is leasing, they must also provide a valid lease agreement on their names.
4.1 If the business operates from the different address as per CIPC document, an affidavit must be provided.
5. Central Supplier Database (CSD) registration full report.
6. Completed and Signed Schedule of Quantities.
7. In the event that an item is not going to be charged on the schedule of quantities the number "0" must be inserted and not a dash (-).
8. Authority of Signatory must be completed and signed in case of a business not sole proprietor or one-person business or board of director's resolution authorizing signature to sign off the bid documents.
9. MBD 1: Invitation to tender.
10. MBD 4. Declaration of Interest.
11. MDB 5. Declaration of procurement above R10 million (vat included).
12. Audited annual financial statements for the past three years or since the date of establishment if established during the past three years for bids above R10 million.
13. MBD 6.1 Preferential Points.
14. MBD 7.1: Contract form - Purchase of goods/works
15. MBD 8: Declaration of bidder's past supply chain management practices.
16. MBD 9: Certificate of independent bid determination.
17. SANS 780 and SANS 60076-1 Certificates.
18. Transformer Approved Manufacturer Certificate.
19. Bidders must sign or initial each page.
20. Bid Documents must be completed in full.

BIDDING TENDER CONDITIONS:

1. All suppliers of good & services are urged to register in the National Treasury web based Central Suppliers Database with Effect from 1 July 2016 @ www.csd.gov.za.
2. As per National Treasury Instruction No.4 A of 2016/2017 National Treasury Supplier Database, organs of state must ensure that suppliers awarded business with the State, excluding instances mentioned in paragraph 3.3, are registered on the CSD prior to award letter/purchase order/signed contract being issued.
3. Tenders by joint ventures are to be accompanied by the Document Formation of the joint venture, duly registered and authenticated by a Notary Public or other official deputized to witness sworn statements. This document must define precisely the conditions under which the joint venture will function, the period for which it will function, the persons

authorized to represent and obligate it, the address for correspondence, the participation of several firms forming the joint venture and any information necessary to permit a full appraisal of its functioning, including a clause to the effect that the members of the joint venture are jointly and severely bound.

4. No late tender will be accepted.
5. Telefax or e-mail tenders will not be accepted.
6. Tenders may only be submitted on the bid documents as provided by Lesedi Local Municipality.
7. The use of tippex is not allowed on the bid documents. Bids completed in pencil will be regarded as invalid bids.
8. Bidders must sign or initial each page
9. No page(s) may be removed from the original tender document
10. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the tender document.
11. In the event of a mistake having been made it shall be crossed out in ink and be accompanied by a full signature of the authorized person at each and every alteration.
12. The Municipality reserves the right to reject the Bid if corrections are not made in accordance with the above.
13. The lowest or any tender will not necessarily be accepted, and Lesedi Local Municipality reserves the right to accept a tender in whole or in part.
14. The validity period for this tender is ninety (90) days.
15. The Municipality reserve the right to negotiate a fair market related price with recommended bidders after a competitive bidding process or price quotations
16. The Municipality reserves the right to appoint and not to appoint.
17. All tender prices must be inclusive of VAT for all registered VAT vendors.
The bid will be evaluated on an 80/20 principle where 80 points will be price and 20 points is Specific goals.
18. Tender documents may be downloaded from <https://lesedi-lm.gauteng.gov.za> or www.etenders.gov.za.

NB* NO TENDER DOCUMENTS ON USB WILL BE CONSIDERED FOR EVALUATION.



TAX CLEARANCE CERTIFICATE REQUIREMENTS

MBD 2

IT IS A CONDITION OF A 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. In order to meet this requirement bidders are required to complete in full the attached form TCC 001 "Application for a Tax Clearance Certificate" 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. 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. The original Tax Clearance Certificate must be submitted together with the bid. 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. In bids where Consortia /Joint Ventures /Sub-contractors are involved; each party must submit a separate Tax Clearance Certificate.
5. 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. 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.



MBD 4

DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state¹.

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

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

3.1 Full Name of bidder or his or her representative:

.....

3.2 Identity Number:

.....

3.3 Position occupied in the Company (director, trustee, shareholder²):

.....

3.4 Company Registration Number:

.....

3.5 Tax Reference Number:

.....

3.6 VAT Registration Number:

.....

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

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

3.8.1 If yes, furnish particulars.

.....

.....

¹MSCM Regulations: “in the service of the state” means to be – a member of – any municipal council; any provincial legislature; or the national Assembly or the national Council of provinces;

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

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

3.9.1 If yes, furnish particulars.....

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

3.10.1 If yes, furnish particulars.

.....
.....

3.11 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? **YES / NO**

3.11.1 If yes, furnish particulars

.....

3.12 Are any of the company’s directors, trustees, managers, principal shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars.

.....
.....

3.13 Are any spouse, child or parent of the company’s directors’ trustees, managers, principal shareholders or stakeholders in service of the state? **YES / NO**

3.13.1 If yes, furnish particulars.

.....

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract. **YES / NO**

3.14.1 If yes, furnish particulars:

.....

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

Full Name	Identity Number	State Employee Number

.....
Signature

.....
Date

.....
Capacity

.....
Name of Bidder



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 Are you by law required to prepare annual financial statements for auditing?

1.1 If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.

.....

.....

2 Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days?

2.1 If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards any municipality for more than three months or other service provider in respect of which payment is overdue for more than 30 days.

2.2 If yes, provide particulars.

.....

.....

.....

YES / NO

* Delete if not applicable

3 Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?

YES / NO

3.1 If yes, furnish particulars

.....
.....

4. Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?
YES / NO

- 4.1 If yes, furnish particulars

.....
.....

CERTIFICATION

I, THE UNDERSIGNED (NAME)

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

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bid



MBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

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

1.2 To be completed by the organ of state

a) The applicable preference point system for this tender is the 80/20 preference point system.

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

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

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

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

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

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time

subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

80/20	or	90/10	
$P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$	or	$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$	

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{min} = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

80/20	or	90/10	
$P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$	or	$P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$	

Where

- Ps = Points scored for price of tender under consideration
 Pt = Price of tender under consideration
 Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

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

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

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Youth		3		
Woman		5		
Disabled		2		
Black		5		
Sedibeng (District)		3		
Gauteng (Province)		2		
		20		

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....



MBD 7.1

CONTRACT FORM - PURCHASE OF GOODS/WORKS

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL BIDDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL BIDDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE BIDDER)

1. I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents to (name of institution) in accordance with the requirements and specifications stipulated in bid number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the purchaser during the validity period indicated and calculated from the closing time of bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Bidding documents, viz
 - Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Technical Specification(s);
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
 - Declaration of interest;
 - Declaration of bidder's past SCM practices;
 - Certificate of Independent Bid Determination;
 - Special Conditions of Contract;
 - (ii) General Conditions of Contract; and
 - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES

1

2.

DATE:

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I..... in my capacity as..... accept your bid under reference numberdated.....for the supply of goods/works indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating delivery instructions is forthcoming.
3. I undertake to make payment for the goods/works delivered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice accompanied by the delivery note.

ITEM NO.	PRICE (ALL APPLICABLE TAXES INCLUDED)	BRAND	DELIVERY PERIOD	TOTAL PREFERENCE POINTS CLAIMED	POINTS CLAIMED FOR EACH SPECIFIC GOAL

4. I confirm that I am duly authorized to sign this contract.

SIGNED ATON.....

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES

1.

2.

DATE



AUTHORITY FOR SIGNATORY (COMPULSORY)

Please note that the sole proprietors or “one-person business” are not required to submit an official and duly signed authority of signatory.

Signatories for close corporations and companies shall confirm their authority by signing on behalf of the company/firm **by attaching to this page** a duly signed and dated copy of the relevant resolution of their members or their board of directors, as the case may be.

An example for a company is shown below:

Printed on company letterhead: “By resolution of the board of directors passed on _____ 20 _____ Mr. _____ has been duly authorized to sign all documents in connection with the bid for Tender _____ No _____ and any Contract, which may arise there from on behalf of _____ SIGNED ON BEHALF OF THE COMPANY _____ IN HIS CAPACITY AS _____ DATE: _____ SIGNATURE OF SIGNATORY: _____ AS WITNESSES: 1 _____ 2. _____

1.. I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the Specific goals indicated in paragraph 4 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 4, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the Specific goals points have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
- (v) disqualify the person from the bidding process.
- (vi) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct.
- (vii) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation; restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and forward the matter for criminal prosecution

WITNESSES

- 1.
- 2.

.....

SIGNATURE(S) OF BIDDERS(S)

DATE:

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 municipality's / 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;
 willfully 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 questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
1.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied). The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.	Yes ☐	No ☐
1.1.1	If so, furnish particulars:		
1.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	Yes ☐	No ☐

1.2.1	If so, furnish particulars:		
1.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes ☐	No ☐
1.3.1	If so, furnish particulars:		
Item	Question	Yes	No
1.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes ☐	No ☐
1.4.1	If so, furnish particulars:		
1.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes ☐	No ☐
1.5.1	If so, furnish particulars:		

CERTIFICATION

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

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE
TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder



MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
- 3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.

This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

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

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Municipality / Municipal Entity)

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

I certify, on behalf of: _____ that:

(Name of Bidder)

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;

I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;

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;

For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:

- (a) has been requested to submit a bid in response to this bid invitation;
- (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
- (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.

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)

- (c) methods, factors or formulas used to calculate prices;

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

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.

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.

³ 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.

I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

GENERAL CONDITIONS OF CONTRACT

THE NATIONAL TREASURY

Republic of South Africa



**GOVERNMENT PROCUREMENT
GENERAL CONDITIONS OF CONTRACT JULY
2010**

NATIONAL TREASURY: REPUBLIC OF SOUTH AFRICA

GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

THE NATIONAL TREASURY: Republic of South Africa 2

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General Conditions of Contract

Definitions 1. 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.

"Day" means calendar day.

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

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

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

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

1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. 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 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 that 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 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 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 contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

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

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

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

2.1 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:

- (a) 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;
- (b) if the supplier fails to perform any other obligation(s) under the contract; or
- (c) 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:

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 antidumping 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 **restrictive practices** 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) concern

TENDERS TO BE EVALUATED ON FUNCTIONALITY

36.(1) An organ of state must state in the tender documents if the tender will be evaluated on functionality.

(2) The evaluation criteria for measuring functionality must be objective.

(3) The tender documents must specify-

(a) the evaluation criteria for measuring functionality; the points for each criterion and, if any, each sub-criterion; and the minimum qualifying score for functionality.

(4) The minimum qualifying score for functionality for a tender to be considered further-

must be determined separately for each tender; and
may not be so- low that it may jeopardise the quality of the required goods or services; or high that it is unreasonably restrictive.

(5) Points scored for functionality must be rounded off to the nearest two decimal places.

(6) A tender that fails to obtain the minimum qualifying score for functionality as indicated in the tender documents is not an acceptable tender.

(7) Each tender that obtained the minimum qualifying score for functionality must be evaluated further in terms of price and the preference point system and any objective criteria envisaged in regulation 11.



TENDER NO:36/2024: - SUPPLY AND DELIVERY OF TRANSFORMERS ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THREE YEARS.

1. CONTRACT PRICE ADJUSTMENT

Should no price adjustment or variation clauses be included in the tender documents, the prices tendered will be considered as being firm and the Council will not under any circumstances, accept, for its account, any increase in the prices tendered during the duration of the contract.

2. CESSION OR ASSIGNMENT

Neither the Council nor the tenderer shall cede or assign a contract for the delivery of goods or the rendering of services or any part thereof or any benefit or interest therein or there under to third parties without the written consent of the other being first had and obtained.

3. PRICE

Prices quoted must include VAT.

SPECIFICATIONS

SUPPLY AND DELIVERY OF TRANSFORMERS ON AN AS AND WHEN REQUIRED BASIS FOR A PERIOD OF THREE YEARS.

INTRODUCTION

Lesedi Local Municipality makes use of distribution transformers in the provision of electricity to its customers. Efficiency and reliability of transformers is critical in terms of meeting statutory Quality of Supply parameters as well as customer satisfaction and cost-effective network operation. It is therefore essential that the transformers comply with relevant standards and specifications.

1 SCOPE

This specification defines Lesedi Local Municipality's requirements for pole-mounted and ground, oil immersed distribution transformers rated at 100 kVA, 200 kVA, 315 kVA, 500 kVA, 630 kVA, 800 kVA, 1000 kVA. Distribution transformers are intended for operation at primary voltages of 11 kV, and 22 kV.

2 NORMATIVE REFERENCES

The following documents contain provisions that, through reference in the text, constitute requirements of this specification. At the time of publication, the editions indicated were valid. All standards and specifications are subject to revision, and parties to agreements based on this specification are encouraged to investigate the possibility of applying the most recent editions of the documents listed below.

SANS 60815, *Guide for the selection of insulators in respect of polluted conditions.*

SANS 61109, *Composite insulators for a.c. overhead lines with a nominal voltage greater than 1 000 V – Definitions, test methods and acceptance criteria.*

SANS 555, *Unused and reclaimed mineral insulating oils for transformers and switchgear*

SANS 780, *Distribution Transformers*

SANS 60076-1 THROUGH SANS 60076-10, *Oil Type Distribution Transformers*

SANS 1091, *National Colour Standard*

SANS 121, *Hot-dip galvanized coatings and fabricated iron and steel articles – specifications and test methods*

NRS 053, *Accessories for medium voltage power cables (11-33 kV)*

SANS 876, *Cable terminations and live conductors within air-insulated enclosures (insulation co-ordination) for rated a.c. voltages from 7,2 kV and up to and including 36 kV*

SANS 1332, *Accessories for medium voltage power cables (11-33 kV)*
EN 50180, *Bushings above 1 kV up to 36 kV and from 250 A to 3,15 kA for liquid filled transformers*

3 DEFINITIONS AND ABBREVIATIONS

The definitions and abbreviations in the above documents shall apply to this specification.

4 REQUIREMENTS

4.1 General

4.1.1 All transformers shall comply with SANS 780 and SANS 60076-1 THROUGH SANS 60076-10 for Oil Type and this specification.

4.1.2 Nothing in this specification shall lessen the obligations of the supplier. The supplier shall be fully responsible for the design and its satisfactory performance in service. Acceptance by Lesedi Local Municipality shall not relieve the supplier of the responsibility for the adequacy of the design.

4.1.3 In accordance with SANS 780 for oil and SANS 60076-1 THROUGH SANS 60076-10 for Oil type, the following construction details shall be applicable:

1. Transformers shall be sealed;
2. Oil level indicators are not required;
3. Drain valves are not required;
4. Pole-mounting brackets are required (100 kVA and 200 kVA); and
5. 315 and 500 kVA transformers shall be able to be mounted on platforms (H-structures).

4.1.4 All transformers shall be three phase with a Dyn 11 vector group.

4.1.4 The MV nominal voltage shall be 11 kV and 22 kV for the 100 kVA, 200 kVA, 500 kVA and 630 kVA, 800 kVA, 1000 kVA transformers. 315 kVA transformer shall be 11 kV. The rated voltage (U_m) of the transformer shall be 12 kV and 24 kV for 11 kV and 22 kV systems respectively. The transformer shall be capable of operating continuously at U_m without loss of service due to over-fluxing of the core.

4.1.5 The rated impulse voltage withstand level (BIL) and the rated short-duration power frequency withstand rms voltage (1 minute) of the transformer shall be as specified in Table 1 below.

Table 1: Rated insulation levels

Rated voltage (kV Rms)	BIL (kV peak)	Rated short circuit duration power frequency withstand RMS Voltage(kV rms-1 minute)
24	150	50
12	95	28

0.415	30	2.5
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4.1.7 All transformers shall be supplied filled with new insulating oil complying with SANS 555. The oil level must be at least 150 mm above any live part.

4.1.8 All outdoor transformers shall be hot dip galvanised in accordance with SANS 121.

4.1.9 All transformers shall be supplied with a self-adhesive temperature rise thermal indicator sticker which shall indicate any overloading which occurs. The sticker shall be situated alongside the tap-changer and shall comply with CP_TSSPEC_081.

4.1.10 All neutral conductors within the transformer shall have the same cross-sectional area as the phase conductors and in addition shall be rated to carry the full phase current continuously.

4.1.11 The final colour of the transformers shall be Avocado Green (C12 of SANS 1091).

4.1.12 Transformer faults that cannot be explained adequately by Lesedi Local Municipality personnel will be referred to the supplier. Such faults must be investigated by the supplier and a detailed written report submitted to Lesedi Local Municipality within one month of the supplier being notified of the fault. The supplier's portion of the cost of the investigation will be for the supplier's account, and Lesedi Local Municipality will not entertain any claims in this respect.

4.1.13 If an alternative to oil immersed distribution transformers is to be provided, (e.g., Oil Type distribution transformers), all data sheet and type test reports are to be submitted as per SANS 60076-1 THROUGH SANS 60076-10.

4.2 No-load secondary voltage

4.2.1 The transformers shall have a no-load secondary voltage of 415 V at the 11 kV or 22 kV principal tap.

4.3 Tapping connections

4.3.1 The transformers shall have a tapping range of -6 %, -3 %, 0 %, +3 % and +6 %, achieved by an off-load (off-circuit) tapping switch.

4.3.2 The operation of the off-load tapping switch shall be such that by turning the tap handle clockwise, the tap position number is increased in accordance with Table 2 below.

Tap position number	Primary voltage (%)	No-load secondary voltage
1	106	415
2	103	415
3	100	415
4	97	415
5	94	415

Table 2: Off-load tapping switch connection

4.4 Earthing terminals

4.4.1 Each transformer earth terminal shall be a 30 mm long boss, with an M12 thread throughout, welded to the transformer tank. The boss shall be fitted with a M12 25 mm setscrew, washer and spring washer. The boss and the set screw shall be stainless steel of grades 304 and 316 respectively.

4.4.2 One earth terminal shall be located on the primary side of the tank, vertically below the centre bushing.

4.4.3 One earth terminal shall be located on the secondary side of the transformer, between 250 mm and 300 mm below the neutral bushing. The design shall take into account that Lesedi Local Municipality will mount a neutral surge arrester on the secondary earth terminal.

4.5 Surge arrester brackets

4.5.1 A surge arrester bracket shall be provided adjacent to each primary bushing.

4.5.2 The surge arrester bracket shall allow the mounting of a surge arrester (see Figure A.1) spaced sufficiently away from the transformer tank to prevent the tank from interfering with the operation of the surge arrester.

4.5.3 Each bracket shall have a 14 mm diameter hole (see Figure A.2).

4.6 Pole mounting brackets

4.6.1 The 100 kVA and 200 kVA transformers, which are intended for single pole mounting, shall be equipped with single pole mounting brackets in accordance with Figure A.6.

4.6.2 In addition to the requirements of 4.6.1, two clamps and four threaded rods (M20 x 250 mm) shall be supplied. Each threaded rod shall be supplied with two nuts, two flat washers and one spring washer. The clamps, threaded rods, flat washers, spring washers and nuts shall be hot dip galvanised.

Note: 500 and 315 kVA transformers shall also be able to be mounted on platforms (Hstructure)

4.7 Bushings

4.7.1 All bushings shall comply with the requirements of clause 4.9 of SANS 780.

4.7.2 In addition, the bushing profile characteristics shall comply with Annex D of SANS 60815.

4.7.3 Only bushings made of porcelain or silicone rubber shall be acceptable. Under no circumstances shall cyclo-aliphatic, EPDM or ESP bushings be accepted.

4.7.4 The minimum creepage distance of the bushings shall be 31 mm/kV.

4.7.5 All bushings shall be mounted on the side wall of the transformer tank. Lid mounted bushings shall not be accepted. The bushing mounting arrangement shall be as per the middle profile drawing of Figure A.2 i.e. mounted on the side-wall at an angle to the horizontal. All MV bushings shall be clamped at the base of the bushing. The bushing design drawings shall include the wall thickness the bushing is suitable for and tested on.

Note: The reason for this requirement is to decrease the incidence of oil leaks.

4.7.6 The MV bushing stem shall be copper with an M12 diameter and shall be threaded.

4.7.7 The LV bushing stems shall be copper with an M18 diameter.

4.7.8 The LV bushings shall be supplied with a flag suitable for the connection of up to two 95 mm² PVC insulated copper jumpers. The flag shall have two holes, each of which shall be fitted with an M12 x 40 mm set screw, flat washer and nut.

4.7.9 The phase sequence of all bushings shall be clearly marked.

4.8 Losses

4.8.1 The following capitalization formula will be used in the evaluation of any tender, to establish the net present value of the total cost of the transformer:

$$\text{Total cost} = A + C_i P_i + C_c P_c$$

where

A is the cost of purchasing and installing the transformer (capital cost), R;

P_i is the no-load (iron) losses, kW;

P_c is the load (copper) losses, kW;

C_i is the capitalized cost of no-load (iron) loss, R/kW; and

C_c is the capitalized cost of load (copper) loss, R/kW.

4.8.2 The economic life of a transformer is assumed to be 25 years.

4.8.3 The values of parameters C_i and C_c are given in the technical schedules. These parameters will be revised with each enquiry.

4.8.4 Regardless of the use of the capitalization formula, the losses shall not be greater than those given in Table 3.

Rated power (kVA)	Component losses - No-load loss (W)		Load loss (W)	
	Single ratio	Dual ratio	Single ratio	Dual ratio
100	300	330	1700	1870
200	520	572	2700	2970
200	600	660	2700	2970
315	720	792	3800	4180
500	1180	1298	5400	5940
1000	1 900	—	9 500	—

Table 3 – Maximum losses

4.8.5 Load and no-load losses, the percentage impedance and the X/R ratio of the transformer shall be stated in schedule B of the enquiry document. The load losses and the percentage impedance shall be stated at 75 °C, in accordance with SANS 780 and SANS 60076-1 THROUGH SANS 60076-10 for Oil type.

4.8.6 Preference shall be given to low loss transformers.

5 TESTS

5.1 Type Tests

The following type tests shall be performed on each design and in accordance with SANS 780 and SANS 60076-1 THROUGH SANS 60076-10 for Oil type:

- a) Temperature rise test;
- b) Lightning impulse test (chopped on the tail) (primary and secondary windings);
- c) Tank stiffness test;
- d) Corrugated tank fatigue test (if applicable);
- e) Short circuit withstand test; and
- f) Pollution test.

Note: Composite transformer bushings shall be tested in accordance with the ageing test procedure under operating voltage simulating weather conditions (5 000-hour test), in accordance with SANS 61109 (Annex C).

5.2 Routine tests

The following routine tests shall be performed in accordance with SANS 780 and SANS 60076-1 THROUGH SANS 60076-10 for Oil Type on each transformer:

- a) Measurement of winding resistance;
- b) Measurement of voltage ratio and phase displacement;
- c) Measurement of short circuit impedance and load loss;
- d) Measurement of no-load loss and current;
- e) Separate source and voltage test;
- f) Induced over voltage test;
- g) Measurement of paint thickness; and
- h) Test for the effectiveness of the sealing.

6 MARKING AND PACKAGING

6.1 Each transformer shall bear the SANS 780 and SANS 60076-1 through SANS 60076-10 for Oil Type mark of approval.

6.2 In addition to the requirements of the relevant clauses of SANS 780 and THROUGH SANS 60076-10 for Oil type, each transformer rating plate shall have the following information:

- a) Year of manufacture;
- b) Lesedi Local Municipality order number; and
- c) Lesedi Local Municipality SAP number.

6.3 The primary voltage, secondary voltage, transformer rating (in kVA), vector group and mass shall be clearly marked, in durable white paint, on the tank in letters not less than 50 mm high (e.g. 11000/6600/415 V Dyn 11 315 kVA 3 500 kg).

7 DOCUMENTATIONS

7.1 Single copies of type test certificates, in English, shall be submitted.

7.2 Type test certificates shall be arranged in the sequence given in the A and B schedules of this specification and shall be clearly marked with the number and title given in the Schedules (e.g. 31 - Temperature rise test). Any additional test certificates shall be marked "Additional Tests" and kept separate from the specified test certificates.

7.3 Single copies of drawings showing the following details shall be submitted as part of the tender:

- 3 outline dimensions, including the surge arresters;
- 4 transformer mounting hole arrangement;
- 5 terminal arrangement and labelling;
- 6 position of tapping switch;
- 7 earthing terminals; and
- 8 rating and diagram plate.

8. TRAINING

8.1 The following certified training course shall be offered for Lesedi Local Municipality's staff:

- a) Correct procedure for the storage, handling and operation of transformers.
- 8.2 The associated costs for the certified training course in 8.1 shall be given per person and shall be fixed for the period of the contract.

9 QUALITY ASSURANCE

A quality management plan shall be set up in order to assure the proper quality management of the transformer during design, development, production, installation and maintenance. Guidance on the requirements for a quality management plan may be found in the ISO 9001. The details shall be subject to agreement between Lesedi Local Municipality and supplier

Foreign and third-party manufacturers, shall, in addition, hold valid certification of their quality management system. Such certification shall be from a national quality systems certification body (Registrar), duly accredited by a QMS accreditation body, which is signatory to a mutual recognition agreement with South Africa.

10 ENVIRONMENTAL MANAGEMENT

An environmental management plan shall be set up in order to assure the proper environmental management of transformers throughout its entire life cycle (i.e. during design, development, production, installation, operation and maintenance, decommissioning and disposal phases). Guidance on the requirements for an environmental management system may be found in ISO 14001 standards. The details shall be subject to agreement between Lesedi Local Municipality and supplier. This is to ensure that the asset created conforms to environmental standards and Lesedi Local Municipality SHEQ Policy.

11 REQUIREMENTS OF GROUND MOUNTED TRANSFORMERS

11.1 General Ground Mounted Transformers

11.1.1 All transformers shall comply with SANS 780 for oil and SANS 60076-1 THROUGH SANS 60076-10 for Oil-type transformer and this specification.

11.1.2 Nothing in this specification shall lessen the obligations of the supplier. The supplier shall be fully responsible for the design and its satisfactory performance in service. Approval by Lesedi Local Municipality shall not relieve the supplier of the responsibility for the adequacy of the design.

11.1.3 In accordance with SANS 780 and SANS 60076-1 THROUGH SANS 60076-10, the following construction details shall be applicable:

- a. Transformers shall have bolted lids;
- b. Robust oil level indicators (glass, not Perspex) are required;
- c. Drain valves are not required;

d. Transformers shall be provided with wheels for increased mobility. 4.1.4 All transformers shall be three phase with a Dyn 11 vector group.

11.1.4 The MV nominal voltage shall be 11/22 kV (dual ratio) and 11 kV (single ratio). The rated voltage (Um) of the transformer shall be 7,2 kV and 12 kV for 6,6 kV and 11 kV systems respectively. The transformer shall be capable of operating continuously at Um without loss of life due to over-fluxing of the core.

11.1.5 The rated impulse voltage withstand level (BIL) and the rated short-duration power frequency withstand rms voltage (1 minute) of the transformer (including cable termination enclosures) shall be as specified in Table 4 below.

Rated voltage(kV rms)	BIL (kV peak)	Rated short-duration power frequency withstand rms. voltage (kV rms – 1 minute)
12 or 7,2	95	28
0,415	30	1

Table 4: Rated insulation levels

11.1.6 All transformers shall be supplied filled with new insulating oil complying with SANS 555. The oil level must be at least 150 mm above any live part.

11.1.7 All transformers shall be supplied with a self-adhesive temperature rise thermal indicator sticker complying with the specification which shall indicate any overloading that occurs. The sticker shall be situated alongside the tap-changer and shall change colour if the tank temperature exceeds 88°C.

11.1.8 All neutral conductors within the transformer shall have the same cross-sectional area as the phase conductors and in addition shall be rated to carry the full phase current continuously.

11.1.9 The final colour of the transformers shall be Avocado Green (C12 of SANS 1091).

11.1.10 Any transformer faults occurring within the first 12 (twelve) months of a transformer being put into service, and that cannot be explained adequately by Lesedi Local Municipality personnel will be referred to the supplier. Such faults must be investigated by the supplier and a detailed written report submitted to Lesedi Local Municipality within one month of the supplier being notified of the fault. The supplier's portion of the cost of the investigation will be for the supplier's account, and Lesedi Local Municipality will not entertain any claims in this respect.

11.1.11 The distribution transformers covered by this specification are required to be installed in chambers with access openings of limited dimensions. The orientation and dimensions of all transformers covered by this specification shall be designed such that any transformer can be rolled on its wheels into a chamber

with a door width of 1,4 m without the need for removal of any part of the transformer. The transformer height shall not exceed 1,8 m and the length shall not exceed 2,0 m.

11.1.12 All windings (MV and LV) shall be copper. Aluminium windings shall not be accepted.

11.1.13 If an alternative to oil immersed distribution transformers is to be provided, (e.g. Oil Type distribution transformers), all data sheets and type test reports are to be submitted as per SANS 60076-1 THROUGH SANS 60076-10.

12 No-load secondary voltage

12.1 The transformers shall have a no-load secondary voltage of 415 V at the 11 kV principal tap.

13 Tapping connections

13.1 The transformers shall have a tapping range of -6 %, -3 %, 0 %, +3 % and +6 %, achieved by an off-load (off-circuit) tapping switch.

13.2 The operation of the off-load tapping switch shall be such that by turning the tap handle clockwise, the tap position number is increased in accordance with Table 5 below.

Tap position number	Primary voltage (%)	No-load secondary voltage
1	106	415
2	103	415
3	100	415
4	97	415
5	94	415

Table 5: Off-load tapping switch connection

14 Earthing terminals

14.1 Each transformer earth terminal shall be a 30 mm long boss, with an M12 thread throughout, welded to the transformer tank. The boss shall be fitted with a M12 25 mm setscrew, washer and spring washer. The boss and the set screw shall be stainless steel of grades 304 and 316 respectively.

14.2 An earthing terminal, as described above, shall be provided on the transformer tank, at a height not exceeding 100 mm above ground level. This terminal shall be protected by a removable steel cover at least 3 mm thick and secured by at least four studs and nuts. The purpose of this cover is to protect the main earth conductors from theft and/or vandalism.

14.3 An earthing terminal shall be welded to the centre of the side wall of the MV cable box at a height of 100 mm from the gland plate.

14.4 An earthing terminal shall be welded adjacent to the LV neutral bushing within the LV cable box.

14.5 A suitable removable tinned copper bus bar shall be fitted to bond the LV neutral transformer

15 MV cable box

15.1 The MV cable box shall be air filled and shall be positioned on the side of the transformer tank around the MV bushing and shall comply in all respects with the requirements of SANS 876.

15.2 The MV cable box shall be secured to the main tank by means of at least four M12 studs and nuts, to facilitate the removal of the cable box, should this be required. The cable box flange shall be turned inwards such that the cover described in 4.6.3 shall be required to be removed before the cable box can be removed. A suitable gasket shall be fitted between the cable box and the main tank.

15.3 The MV cable box shall be fitted with a removable flat cover/lid. This cover/lid shall be secured by at least 20 bolts or nuts, depending on the mounting arrangement.

15.4 The three MV bushings shall be positioned horizontally in a straight line. The minimum distance from the MV bushing centre line to the gland plate shall be 800 mm to allow for core crossing and termination within the enclosure.

15.5 The MV cable box shall be fitted with a removable gland plate to allow for the termination of an MV cable with an outside diameter of 90 mm. To this end, the gland plate shall be fitted with two pre-drilled/punched holes of 110 mm diameter positioned in accordance with the requirements of SANS 876. Each hole shall be fitted with a rubber

15.6 Dimensions between bushing centres (i.e. phase-to-phase and phase-to-ground) within the MV cable box shall be as indicated in Figure A.1.

15.7 The clearances in the MV cable boxes shall be suitable for an 11 kV unscreened separable connector (Type 3) termination complying with SANS 053. In addition, the cable box shall allow for the connection, per phase, of two extendable screened connectors (Type 4) complying with SANS 053 so that transformers may be paralleled.

Note: The onus rests on the transformer manufacturer to ensure that the transformer design allows for the connection of the terminations detailed above.

15.8 A cable support clamp in accordance with the specification shall be provided directly below the MV cable box for the purpose of supporting the MV cable. The cable support clamp shall be attached to a suitable mounting bracket.

15.9 A warning sign complying with specification shall be fitted to the cover/lid of the MV cable box. If pop-rivets are used to attach the sign to the cover, only aircraft pop-rivets will be acceptable. Normal pop-rivets are not acceptable.

16 LV cable box

16.1 The LV cable box shall be air filled and shall be positioned on the side of the transformer tank and shall be similar in construction to the MV cable box.

16.2 The LV cable box shall have one bushing per phase and shall be suitable for the termination of the type and number of cables indicated in Table 6 below. The minimum clearance (i.e. 60 mm between live metal parts phase-to-phase and phase-to-earth) shall be maintained taking into account the lugs and fasteners required to connect the cable to the bushing. Lesedi Local Municipality makes use of mechanical shear connectors.

Table 6: LV cable requirements

Transformer rating (kVA)	Cable size (mm ²)	Number of cables
315	185	1
500	185	2
1000	185	4

16.3 The LV bushings shall be supplied with a flag suitable for the connection of the LV cables specified in Table 6 above. The flag shall have two holes for the 315 and 500 kVA, and four holes for the 1 000 kVA transformers, each fitted with an M12 x 40 mm set screw, flat washer and nut.

16.4 A removable, 3 mm thick 3CR12 gland plate shall be provided as indicated in Figure A.3. The gland plate shall be fitted with mechanical glands that comply with the specification and that are suitable for the termination of the cables detailed in the table above. The cable gland hole diameter(s) shall be 63 mm.

16.5 A warning sign complying with the specification shall be fitted to the cover/lid of the LV cable box. If pop-rivets are used to attach the sign to the cover, only aircraft pop-rivets will be acceptable. Normal pop-rivets are not acceptable.

17 MV bushings

17.1 MV bushings shall be Type C (630 A tapered) in accordance with EN 50180 with an M16 x 2 thread size. MV bushings shall be supplied complete with a stainless steel or brass M16 bolt with associated washers.

17.2 MV bushings shall be suitable for the connection of Type 3 and Type 4 terminations in accordance with SANS 012. In the case of Type 4 terminations, it shall be noted that extensible separable connectors may be connected in a tandem ("piggyback") **configuration**.

18 Losses

18.1 The following capitalization formula will be used in the evaluation of any tender, to establish the net present value of the total cost of the transformer:

$$\text{Total cost} = B + C_i P_i + C_c P_c$$

where

B is the cost of purchasing and installing the transformer (capital cost), R;

P_i is the no-load (iron) losses, kW;

P_c is the load (copper) losses, kW;

C_i is the capitalized cost of no-load (iron) loss, R/kW; and

C_c is the capitalized cost of load (copper) loss, R/kW.

18.2 The economic life of a transformer is assumed to be 30 years.

18.3 The values of parameters C_i and C_c are given in the technical schedules. These parameters will be revised as and when deemed necessary by Lesedi Local Municipality.

18.4 Regardless of the use of the capitalization formula, the losses shall not be greater than those given in table 7 below.

Rated power (kVA)	Component losses -		Load loss (W)	
	No-load loss (W)			
	Single ratio	Dual ratio	Single ratio	Dual ratio
315	720	792	3 800	4 180
500	1 100	1 210	5 400	5 940
1000	1 900	2 090	9 500	10 450

Table 7 – Maximum losses

18.5 Load and no-load losses, the percentage impedance and the X/R ratio of the transformer shall be stated in schedule B of the enquiry document. The load losses and the percentage impedance shall be stated at 75 °C, in accordance with SANS 780.

18.6 Preference shall be given to low loss transformers.

19 TESTS

19.1 Type Tests

The following type tests shall be performed on each design and in accordance with and SANS 780 for oil transformers and SANS 60076-1 through SANS 60076-10 for Oil type.:

19.1.1 Temperature rise test;

19.1.2 Lightning impulse test (chopped on the tail) (primary and secondary windings);

19.1.3 Tank stiffness test;

19.1.4 Corrugated tank fatigue test (if applicable); and

19.1.5 Short circuit withstand test.

Note: Type tests performed on similar single ratio transformers may be submitted for acceptance by Lesedi Local Municipality as being valid for the dual ratio transformer designs.

19.2 Routine tests

The following routine tests shall be performed in accordance with SANS 780 and SANS 60076-1 through SANS 60076-10 on each transformer:

- a) Measurement of winding resistance;
- b) Measurement of voltage ratio and phase displacement;
- c) Measurement of short circuit impedance and load loss;
- d) Measurement of no-load loss and current;
- e) Separate source and voltage test;
- f) Induced over voltage test;
- g) Measurement of paint thickness; and
- h) Test for the effectiveness of the sealing.

20 MARKING AND PACKAGING

- 20.1 Each transformer shall bear the SANS 780 and SANS 60076-1 THROUGH SANS 60076-10 for Oil Type mark of approval.
- 20.2 Two transformer rating plates are required – one on each side of the transformer (i.e. one adjacent to the tap changer and ratio changeover switch, and the other at the opposite end of the tank). In addition to the requirements of the relevant clauses of SANS 780 and SANS 60076-1 THROUGH SANS 60076-10 for Oil type, each transformer rating plate shall have the following information:
- a) Year of manufacture;
 - b) Lesedi Local Municipality order number; and
- 20.3 The primary voltage, secondary voltage, transformer rating (in kVA), vector group and mass shall be clearly marked, in durable white paint, on the tank in letters not less than 50 mm high (e.g. 11000/6600/415 V Dyn 11 500 kVA 2 500 kg).

Annexure D- Technical Schedules.

Technical schedules A and B for 11kV / 22 kV 315 kVA Pole Mounted transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11/22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	315	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1600 Max	
9	4.2*	Transformer dimensions (width)	mm	1800 Max	
10	4.2*	Transformer dimensions (length)	mm	1800 Max	
11		Maximum mass	kg	3500	
12		Oil capacity	l		
13	4.7	MV bushing type		Outdoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	

23		MV winding material		Copper	
24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	792	
26	5.8*	Maximum load losses (Pc)	W	4 180	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	

44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender Number: _____

Tenderer's Authorised Signatory: _____

Name in block letters: _____

Signature: _____

Full name of company: _____

Technical schedules A and B deviation schedule for 11 kV/ 22 kV 315 kVA Pole mounted Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.		
Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of company: _____

Technical schedules A and B for 11 kV 200 kVA Pole Mounted Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11/22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	200	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1 600 max.	
9	4.2*	Transformer dimensions (width)	mm	1 100 max.	
10	4.2*	Transformer dimensions (length)	mm	1 500 max.	
11		Maximum mass	kg	1 700	
12		Oil capacity	l		
13	4.7	MV bushing type		Outdoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	520	

26	5.8*	Maximum load losses (Pc)	W	2 700	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	

28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	

47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters _____

Signature: _____

Full name of

company: _____

Technical schedules A and B Deviation schedule for 11 kV 200 kVA Pole Mounted Transformer

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA [“To Be Advice”] will not be accepted

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.		
Item	Sub-clause of SPECIFICATION	Proposed deviation

Tender
Number:_____

Tenderer's Authorised
Signatory:_____

Name in block letters:_____

Signature:_____

Full name of
company:_____

Technical schedules A and B for 22 kV 200 kVA Pole Mounted Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture			
3	4.1.5	Primary voltage	kV	22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	200	
6	4.1.1	Does transformer bear SABS mark?		Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1 600 max.	
9	4.2*	Transformer dimensions (width)	mm	1 100 max.	
10	4.2*	Transformer dimensions (length)	mm	1 500 max.	
11		Maximum mass	kg	1 700	
12		Oil capacity	l		
13	4.7	MV bushing type		Outdoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	520	

26	5.8*	Maximum load losses (Pc)	W	2 700	
27		Cost per kW of no load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	

48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of

company: _____

Technical schedules A and B

Deviation schedule for 22 kV 200 kVA Pole Mounted Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.		
Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of

company: _____

Technical schedules A and B for 22 kV 500 kVA Pole Mounted Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	500	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1 600 max.	
9	4.2*	Transformer dimensions (width)	mm	1 800 max.	
10	4.2*	Transformer dimensions (length)	mm	1 800 max.	
11		Maximum mass	kg	3 500	
12		Oil capacity	l		
13	4.7	MV bushing type		Outdoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	

25	5.8*	Maximum no-load losses (Pi)	W	792	
26	5.8*	Maximum load losses (Pc)	W	4 180	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	

46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised Signatory:

Name in block letters: _____

Signature: _____

Full name of company: _____

Technical schedules A and B

Deviation schedule for 22 kV 500 kVA Pole Mounted Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory _____

Name in block letters: _____

Signature: _____

Full name of

company: _____

Technical schedules A and B for 11 kV 100 kVA Pole Mounted Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of specification	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	100	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1 600 max.	
9	4.2*	Transformer dimensions (width)	mm	1 080 max.	
10	4.2*	Transformer dimensions (length)	mm	900 max.	
11		Maximum mass	kg	900	
12		Oil capacity	l		
13	4.7	MV bushing type		Outdoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	

24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	300	
26	5.8*	Maximum load losses (Pc)	W	1 700	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	

45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of

company: _____

Technical schedules A and B

Deviation schedule for 11 kV 100 kVA Pole Mounted Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.		
Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of company: _____

Technical schedules A and B for 22 kV 100 kVA Pole Mounted Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of Specification	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	100	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1 600 max.	
9	4.2*	Transformer dimensions (width)	mm	1 080 max.	
10	4.2*	Transformer dimensions (length)	mm	1 500 max.	
11		Maximum mass	kg	900	
12		Oil capacity	l		
13	4.7	MV bushing type		Outdoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	

25	5.8*	Maximum no-load losses (Pi)	W	360	
26	5.8*	Maximum load losses (Pc)	W	1 700	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	

45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Number: _____

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Full name of

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Technical schedules A and B

Deviation schedule for 22 kV 100 kVA Pole Mounted Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number:_____

Tenderer's Authorised

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Signature:_____

Full name of

company:_____

Technical schedules A and B for 11 kV 500 kVA Pole Mounted Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	500	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1 600 max.	
9	4.2*	Transformer dimensions (width)	mm	1 800 max.	
10	4.2*	Transformer dimensions (length)	mm	1 800 max.	
11		Maximum mass	kg	3 500	
12		Oil capacity	l		
13	4.7	MV bushing type		Outdoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	

22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	792	
26	5.8*	Maximum load losses (Pc)	W	4 180	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	

43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Full name of company: _____

Technical schedules A and B

Deviation schedule for 11 kV 500 kVA Pole Mounted Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.		
Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender
Number: _____

Tenderer's Authorised
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Name in block letters: _____

Signature: _____

Full name of
company: _____

Technical schedules A and B for 11/22 kV 315 kVA Miniature substation with SF 6 gas/vacuum Ring Main Unit.

NB: No oil immersed RMU will be accepted.

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11/22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	315	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1600 Max	
9	4.2*	Transformer dimensions (width)	mm	1800 Max	
10	4.2*	Transformer dimensions (length)	mm	1800 Max	
11		Maximum mass	kg	3500	
12		Oil capacity	l		
13	4.7	MV bushing type		Indoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	

22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	792	
26	5.8*	Maximum load losses (Pc)	W	4 180	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780:		XXXX	
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	

43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Signature: _____

Full name of company: _____

Technical schedules A and B

Deviation schedule for 11/22 kV 315kVA miniature Substation

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.		
Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [✓, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender
Number:_____

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Full name of
company:_____

Technical schedules A and B for 11/22 kV 500 kVA Miniature substation with SF 6 gas/vacuum Ring Main Unit.

NB: No oil immersed RMU will be accepted.

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11/22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	500	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1600 Max	
9	4.2*	Transformer dimensions (width)	mm	1800 Max	
10	4.2*	Transformer dimensions (length)	mm	1800 Max	
11		Maximum mass	kg	3500	
12		Oil capacity	l		
13	4.7	MV bushing type		Indoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	

22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	1100	
26	5.8*	Maximum load losses (Pc)	W	5400	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780		XXXX	
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	

43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Technical schedules A and B

Deviation schedule for 11/22 kV 500kVA miniature Substation

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.		
Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

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Signatory:_____

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Signature:_____

Full name of

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Technical schedules A and B for 11/22 kV 630 kVA Miniature substation with SF 6 gas/vacuum Ring Main Unit.

NB: No oil immersed RMU will be accepted.

Schedule A: Purchaser's specific requirements
Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11/22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	630	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1600 Max	
9	4.2*	Transformer dimensions (width)	mm	1800 Max	
10	4.2*	Transformer dimensions (length)	mm	1800 Max	
11		Maximum mass	kg	3500	
12		Oil capacity	l		
13	4.7	MV bushing type		Indoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	
25	5.8*	Maximum no-load losses (Pi)	W	1100	

26	5.8*	Maximum load losses (Pc)	W	5400	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780		XXXX	
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
46	5.2 h	h) test for effective	Ref. No.	XXXX	

		sealing			
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Technical schedules A and B

Deviation schedule for 11/22 kV 630 kVA miniature Substation

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Full name of

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Technical schedules A and B for 11/22 kV 800 kVA Miniature substation with SF 6 gas/vacuum Ring Main Unit.

NB: No oil immersed RMU will be accepted.

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11/22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	800	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1600 Max	
9	4.2*	Transformer dimensions (width)	mm	1800 Max	
10	4.2*	Transformer dimensions (length)	mm	1800 Max	
11		Maximum mass	kg	3500	
12		Oil capacity	l		
13	4.7	MV bushing type		Indoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	

25	5.8*	Maximum no-load losses (Pi)	W	1100	
26	5.8*	Maximum load losses (Pc)	W	5400	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780		XXXX	
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of	Ref. No.	XXXX	

		paint thickness			
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

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Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of company: _____

Technical schedules A and B

Deviation schedule for 11/22 kV 800 kVA miniature Substation

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of

company: _____

Technical schedules A and B for 11/22 kV 1000 kVA Miniature substation with SF 6 gas/vacuum Ring Main Unit.

NB: No oil immersed RMU will be accepted.

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	4.1.5	Primary voltage	kV	11/22	
4	4.2	Secondary voltage	V	415	
5	4.1.5	Rated power	kVA	1000	
6	4.1.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number			
8	4.2*	Transformer dimensions (height)	mm	1600 Max	
9	4.2*	Transformer dimensions (width)	mm	1800 Max	
10	4.2*	Transformer dimensions (length)	mm	1800 Max	
11		Maximum mass	kg	3500	
12		Oil capacity	l		
13	4.7	MV bushing type		Indoor	
14	4.7	MV bushing material		Porcelain/ silicone	
15	4.7	MV bushing creepage distance	mm/kV	31	
16	4.7	MV stem diameter		M12	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm/kV	31	
19	4.7	LV stem diameter		M18	
20	4.7	Flag supplied?	Yes/No	Yes	
21	4.1.3	Oil level gauge fitted?	Yes/No	Yes	
22	4.7.5	LV cables to be terminated		2 x 95 mm ²	
23		MV winding material		Copper	
24		LV winding material		Copper	

25	5.8*	Maximum no-load losses (Pi)	W	1100	
26	5.8*	Maximum load losses (Pc)	W	5400	
27		Cost per kW of no-load losses (Ci)	R/KW	13 669	
28		Cost per kW of load losses (Cc)	R/KW	1 623	
29	5.9*	Impedance at principal tapping	%	4 to 5	
30		X/R ratio		XXXX	
31	5.1	Type tests in accordance with SABS 780		XXXX	
32	5.1. a	a) temperature rise test	Ref. No.	XXXX	
33	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
34	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
35	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
36	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
37	5.1. f	f) pollution test	Ref. No.	XXXX	
38	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
39	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
40	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
41	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
42	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
43	5.2 e	e) separate source test	Ref. No.	XXXX	
44	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
45	5.2 g	g) measurement of	Ref. No.	XXXX	

		paint thickness			
46	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
47	6	Packaging and marking as per clause 6	Yes/No	Yes	
48	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
49	8	Certified training course offered?	Yes/No	Yes	
50	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of company: _____

Technical schedules A and B

Deviation schedule for 11/22 kV 1000 kVA miniature Substation

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of

company: _____

Technical schedules A and B for 500 kVA Single Ratio Ground Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of SPECIFICATION	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	1	Primary voltage	kV	11/22	
4	4.2.1	Secondary voltage	V	415	
5	4.7	Rated power	kVA	500	
6	6.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number		XXXX	
8	4.1.12	Transformer dimensions (height)	mm	1 800 max.	
9	4.1.12	Transformer dimensions (width)	mm	1 400 max.	
10	4.1.12	Transformer dimensions (length)	mm	2 000 max.	
11		Maximum mass	kg	XXXX	
12		Oil capacity	l	XXXX	
13	4.8	MV bushing type		Type C	
14		MV bushing material		Porcelain/ silicone	
15	4..9*	MV bushing creepage distance	mm/kV	31	
16	4.6	MV cable box dimensions	mm	XXXX	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm	XXXX	
19	4.7	LV cable box dimensions	mm	XXXX	
20	4.7	LV compression gland(s) size		No. 6	
21	4.7.5	LV cables to be terminated		185 mm ²	
22		MV winding material		Copper	
23		LV winding material		Copper	
24	5.8*	Maximum no-load losses (Pi)	W	100	

25	5.8*	Maximum load	W	400	
		losses (Pc)			
26		Cost per kW of no-load losses (Ci)	R/KW	13 669	
27		Cost per kW of load losses (Cc)	R/KW	623	
28	5.9*	Impedance at principal tapping	%	4,5	
29		X/R ratio		XXXX	
30	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
31	5.1. a	a) temperature rise test	Ref. No.	XXXX	
32	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
33	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
34	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
35	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
36	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
37	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
38	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
39	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
40	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
41	5.2 e	e) separate source test	Ref. No.	XXXX	
42	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
43	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	

44	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
45	6	Packaging and marking as per clause 6	Yes/No	Yes	
46	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
47	8	Certified training course offered?	Yes/No	Yes	
48	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of

company: _____

Technical schedules A and B

Deviation schedule for 500 kVA Single Ratio Ground Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature

Full name of

company: _____

Technical schedules A and B for 315 kVA Single Ratio Ground Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of Specification	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	1	Primary voltage	kV	11/22	
4	4.2.1	Secondary voltage	V	415	
5	4.7	Rated power	kVA	315	
6	6.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number		XXXX	
8	4.1.12	Transformer dimensions (height)	mm	1 800 max.	
9	4.1.12	Transformer dimensions (width)	mm	1 400 max.	
10	4.1.12	Transformer dimensions (length)	mm	2 000 max.	
11		Maximum mass	kg	XXXX	
12		Oil capacity	l	XXXX	
13	4.8	MV bushing type		Type C	
14		MV bushing material		XXXX	
15	4.9*	MV bushing creepage distance	mm/kV	XXXX	
16	4.6	MV cable box dimensions	mm	XXXX	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm	XXXX	
19	4.7	LV cable box dimensions	mm	XXXX	
20	4.7	LV compression gland(s) size		No. 6	
21	4.7.5	LV cables to be terminated		185 mm ²	
22		MV winding material		Copper	
23		LV winding material		Copper	
24	5.8*	Maximum no-load losses (Pi)	W	720	

25	5.8*	Maximum load losses (Pc)	W	800	
26		Cost per kW of no- load losses (Ci)	R/KW	13 669	
27		Cost per kW of load losses (Cc)	R/KW	623	
28	5.9*	Impedance at principal tapping	%	4,5	
29		X/R ratio		XXXX	
30	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
30	5.1	Type tests in accordance with SABS 780:		XXXX	XXXX
31	5.1. a	a) temperature rise		31	5.1. a
32	5.1. b	b) lightning impulse		32	5.1. b
33	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
34	5.1. d	d) corrugated tank		34	5.1. d
35	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
36	5.2	Routine tests as per SABS 780	Ref. No.	XXXX	
37	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
38	5.2 b	b) measurement of voltage ratio and		38	5.2 b
39	5.2 c	c) measurement of short-circuit impedance and load		39	5.2 c
40	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
41	5.2 e	e) separate source		41	5.2 e
42	5.2 f	f) induced over		42	5.2 f
43	5.2 g	g) measurement of		43	5.2 g
44	5.2 h	h) test for effective		44	5.2 h
45	6	Packaging and marking as per clause 6	Yes/No	Yes	
46	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
47	8	Certified training course offered?	Yes/No	Yes	
48	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number: _____

Tenderer's Authorised

Signatory: _____

Name in block letters: _____

Signature: _____

Full name of company:_____

Technical schedules A and B

Deviation schedule for 315 kVA Single Ratio Ground Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender

Number:_____

Tenderer's Authorised

Signatory:_____

Name in block letters:_____

Signature:_____

Full name of company:_____

Technical schedules A and B for 315 kVA Single Ratio Ground Transformer

Schedule A: Purchaser's specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

Item	Sub-clause of Specification	Description	Requirement	Schedule A	Schedule B
1		Name of manufacturer		XXXX	
2		Place of manufacture		XXXX	
3	1	Primary voltage	kV	11/22	
4	4.2.1	Secondary voltage	V	415	
5	4.7	Rated power	kVA	315	
6	6.1	Does transformer bear SABS mark?	Yes/No	Yes	
7		SABS permit number		XXXX	
8	4.1.12	Transformer dimensions (height)	mm	1 800 max.	
9	4.1.12	Transformer dimensions (width)	mm	1 400 max.	
10	4.1.12	Transformer dimensions (length)	mm	2 000 max.	
11		Maximum mass	kg	XXXX	
12		Oil capacity	l	XXXX	
13	4.8	MV bushing type		Type C	
14		MV bushing material		XXXX	
15	4..9*	MV bushing creepage distance	mm/kV	XXXX	
16	4.6	MV cable box dimensions	mm	XXXX	
17	4.7	LV bushing material		Porcelain/ Resin	
18	4.7	LV bushing creepage distance	mm	XXXX	
19	4.7	LV cable box dimensions	mm	XXXX	
20	4.7	LV compression gland(s) size		No. 6	
21	4.7.5	LV cables to be terminated		185 mm ²	
22		MV winding material		Copper	

23		LV winding material		Copper	
24	5.8*	Maximum no-load losses (Pi)	W	720	

25	5.8*	Maximum load losses (Pc)	W	800	
26		Cost per kW of no-load losses (Ci)	R/KW	13 669	
27		Cost per kW of load losses (Cc)	R/KW	1 623	
28	5.9*	Impedance at principal tapping	%	≤ 4,5	
29		X/R ratio		XXXX	
30	5.1	Type tests in accordance with SANS 60076-1 THROUGH SANS 60076-10 for Oil type:		XXXX	XXXX
31	5.1. a	a) temperature rise test	Ref. No.	XXXX	
32	5.1. b	b) lightning impulse test	Ref. No.	XXXX	
33	5.1. c	c) tank stiffness test	Ref. No.	XXXX	
34	5.1. d	d) corrugated tank fatigue test	Ref. No.	XXXX	
35	5.1. e	e) short-circuit withstand capability	Ref. No.	XXXX	
36	5.2	Routine tests as per SANS 60076-1 THROUGH SANS 60076-10	Ref. No.	XXXX	
37	5.2 a	a) measurement of winding resistance	Ref. No.	XXXX	
38	5.2 b	b) measurement of voltage ratio and check of phase displacement	Ref. No.	XXXX	
39	5.2 c	c) measurement of short-circuit impedance and load loss	Ref. No.	XXXX	
40	5.2 d	d) measurement of no-load loss and current	Ref. No.	XXXX	
41	5.2 e	e) separate source	Ref. No.	XXXX	

		test			
42	5.2 f	f) induced over voltage test	Ref. No.	XXXX	
43	5.2 g	g) measurement of paint thickness	Ref. No.	XXXX	
44	5.2 h	h) test for effective sealing	Ref. No.	XXXX	
45	6	Packaging and marking as per clause 6	Yes/No	Yes	
46	7	Is all the information requested in clause 7 supplied?	Yes/No	Yes	
47	8	Certified training course offered?	Yes/No	Yes	
48	9	Quality Management program in place?	Yes/No	Yes	

Note: Ticks, Cross [√, X], Astrick [*], Word [Noted] or TBA ["To Be Advice"] will not be accepted

Tender Number:_____

Tenderer's Authorised Signatory:_____

Name in block letters:_____

Signature:_____

Full name of company:_____

Technical schedules A and B

Deviation schedule for 315 KVA Single Ratio Ground Transformer

Any deviations offered to this specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Lesedi Local Municipality.

Item	Sub-clause of SPECIFICATION	Proposed deviation

Tender Number:_____

**Tenderer's Authorised
Signatory:**_____

Name in block letters_____

Signature:_____

Full name of company: _____

TABLE A: PRICING FOR TOP POLE TRANSFORMERS AND MINIATURE SUBSTATION

ITEM	SHORT DESCRIPTION	LONG DESCRIPTION	PRICE EXCLUDING VAT EACH	DELIVERY PERIOD
1	TX POLE 315 KVA DR DYN11 AV	TRANSFORMER, POLE MOUNTED, DISTRIBUTION, 315 kVA, SINGLE RATIO 11/6,6/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
2	TX POLE 200 KVA SR DYN11 AV	TRANSFORMER, POLE MOUNTED, DISTRIBUTION, 200 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
3	TX POLE 100 KVA SR DYN11 AV	TRANSFORMER, POLE MOUNTED, DISTRIBUTION, 100 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
4	TX POLE 22 KV 100 KVA SR DYN 11 AV	TRANSFORMER, POLE MOUNTED, DISTRIBUTION, 100 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
5	TX POLE 22 KV 200 KVA SR DYN 11 AV	TRANSFORMER, POLE MOUNTED, DISTRIBUTION, 200 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		

6	TX POLE 22 KV 500 KVA SR DYN 11 AV	TRANSFORMER, POLE MOUNTED, DISTRIBUTION, 500 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
7	TX OIL TYPEPOLE 315 KVA DR DYN11 AV	TRANSFORMER OIL TYPE, POLE MOUNTED, DISTRIBUTION, 315 kVA, SINGLE RATIO 11/6,6/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
8	TX OIL TYPE POLE 200KVA SR DYN11 AV	TRANSFORMER OIL TYPE POLE MOUNTED, DISTRIBUTION, 200 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
9	TX OIL TYPEPOLE 100KVA SR DYN11 AV	TRANSFORMER OIL TYPE POLE MOUNTED, DISTRIBUTION, 100 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
10	TX OIL TYPEPOLE 22 KV 100 KVA SR DYN 11 AV	TRANSFORMER OIL TYPE POLE MOUNTED, DISTRIBUTION, 100 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
11	TX OIL TYPEPOLE 22 KV 200 KVA SR DYN 11 AV	TRANSFORMER OIL TYPE POLE MOUNTED, DISTRIBUTION, 200 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
12	TX OIL TYPEPOLE 22 KV 500 KVA SR DYN 11 AV	TRANSFORMER OIL TYPE POLE MOUNTED, DISTRIBUTION,		

		500 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
13	TX POLE 11 KV 500 KVA SR DYN 11 AV	TRANSFORMER, POLE MOUNTED, DISTRIBUTION, 500 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		
14	TX OIL TYPEPOLE 11 KV 500 KVA SR DYN 11 AV	TRANSFORMER OIL TYPEPOLE MOUNTED, DISTRIBUTION, 500 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO .		
15	11 KV 315 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 315 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
16	22 KV 315 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 315 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
17	11 KV 500 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 500 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
18	22 KV 500 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 500 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
19	11 KV 630 KVA MINIATURE	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL		

	SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	TYPE GROUND MOUNTED, DISTRIBUTION, 630 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
20	22 KV 630 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 630 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
21	11 KV 800 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 800 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
22	22 KV 800 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 800 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
23	11 KV 1000 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 1000 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
23	22 KV 1000 KVA MINIATURE SUBSTATION WITH SF 6 GAS/VACUUM RING MAIN UNIT.	SF 6 GAS/VACUUM RMU WITH TRANSFORMER OIL TYPE GROUND MOUNTED, DISTRIBUTION, 1000 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO		
		TOTAL	R	

TABLE B: PRICING FOR GROUNDED MOUNTED TRANSFORMER

ITEM	SHORT DESCRIPTION	LONG DESCRIPTION	PRICE EXCLUDING VAT	DELIVERY PERIOD
1	TX 1 MVA DR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 1 000 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
2	TX 500 KVA DR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
3	TX 315 KVA DR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
4	TX 1 MVA SR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 1 000 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
5	TX 500 KVA SR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO.		

		ITEM SPECIFICATION CP_TSSPEC_164.		
6	TX 315 KVA SR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
7	TX OIL TYPE 1 MVA DR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 1 000 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
8	TX OIL TYPE 500 KVA DR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
9	TX OIL TYPE 315 KVA DR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
10	TX OIL TYPE 1 MVA SR DYN11	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND		

	AV	MOUNTED, 1 000 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
11	TX OIL TYPE 500 KVA SR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
12	TX OIL TYPE 315 KVA SR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 11/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
13	TX 1 MVA DR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 1 000 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
14	TX 500 KVA DR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
15	TX 315 KVA DR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		

16	TX 1 MVA SR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 1 000 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
17	TX 500 KVA SR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
18	TX 315 KVA SR DYN11 AV	TRANSFORMER, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
19	TX OIL TYPE 1 MVA DR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 1 000 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
20	TX OIL TYPE 500 KVA DR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		

21	TX OIL TYPE 315 KVA DR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
22	TX OIL TYPE 1 MVA SR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 1 000 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
23	TX OIL TYPE 500 KVA SR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 500 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
24	TX OIL TYPE 315 KVA SR DYN11 AV	TRANSFORMER OIL TYPE, DISTRIBUTION, GROUND MOUNTED, 315 kVA, SINGLE RATIO 22/0,415 kV, Dyn 11 VECTOR GROUP, AVOCADO. ITEM SPECIFICATION CP_TSSPEC_164.		
		TOTAL	R	

ITEM	PRICE
TOTAL TABLE A	
TOTAL TABLE B	
TOTAL AMOUNT EXC VAT	
VAT @15%	
TOTAL INCLUDING VAT	

NB: Price escalation shall be based on CPI for the second and third year.

Signature of bidder:

Date:

CRITERIA FOR EVALUATING TECHNICAL TENDERS

- The below mentioned criteria regarding functionality is required for responsiveness and therefore, eligibility for the next stage of evaluation. This is done to determine the ability of each bidder to successfully execute the project (s) according to specifications. Non-compliant bidders will be rejected after this phase and not continue to price scoring. These criteria shall only determine whether a tender will further be evaluated and will not influence the points scored on Price.
- These criteria shall only determine whether a tender will further be evaluated and will not influence the points scored on Price.
- Only bidders who score 80 points or more for functionality qualify for further evaluation. Bidders who score less than the minimum score will be regarded as non-responsive.

FUNCTIONALITY CRITERIA

CRITERIA	SCORE
Experience: Number of projects successfully completed for supply and delivery of distribution transformers (Appointment letters and matching reference letters with contactable references must be submitted) ➤ 3 Appointment letters and matching reference letters with contactable references (30 Points) ➤ 2 Appointment letters and matching reference letters with contactable references (20 Points) ➤ 1 Appointment letters and matching reference letters with contactable references (10 Points)	30
Capability:	35
Ability to keep buffer for commodities (Maintaining a reserve or stockpile of essential goods) (Commitment letter from supplier/ manufacturer must be submitted). (10 Points)	
Available Crane truck for delivery (Proof of ownership or letter of intent to hire with registered plant hire must be submitted). (25 Points)	

Financial Viability Attach signed Bank Rating Confirmation letter from the registered Banking institution situated in South Africa. • Code A (20 points) • Code B (15 points) • Code C (10 points) • Code D and below (5 points)	20
Technical and Quality Scope: Proof that all transformers to be supplied are compliant with relevant IEC standards or SANS. Attach certificate. (10 Points)	10
Delivery Time	5
Lead time as per bill of quantity. • Below 3 weeks (5) • Above 3 weeks (3) Commitment letter must be submitted.	
TOTAL	100

Bids must remain valid for ninety (90) days after the submission date.

TAX CLEARANCE CERTIFICATE/COPY OF TAX COMPLIANCE STATUS DOCUMENT (TCS) MUST BE ATTACHED

THE BIDDING ENTITY AS WELL AS ALL ITS DIRECTORS MUST SUBMIT A MUNICIPAL ACCOUNT WHICH IS NOT MORE THAN THREE (3) MONTHS IN ARREARS OR VALID LEASE AGREEMENT WHICH IS ON THE NAME OF THE ENTITY. IF THE DIRECTOR IS LEASING, THEY MUST ALSO PROVIDE A VALID LEASE AGREEMENT ON THEIR NAMES.

- **IF THE BUSINESS OPERATES FROM THE DIFFERENT ADDRESS AS PER CIPC DOCUMENT, AFFIDAVIT MUST BE PROVIDED**

ATTACH PROOF OF JOINT VENTURE AGREEMENT

BIDDER MUST ATTACH THE CENTRAL SUPPLIER DATABASE (CSD) REGISTRATION FULL REPORT.

BID CHECKLIST

This list is aimed at assisting all bidders to submit complete bid documents.

Bidders are to check the following points before the submission of their tender document and to complete YES/NO next to each item as an indication that the bidder has complied with the provision of the item concerned. If any of the items are marked as NO – it might lead to the disqualification of your bid.

ITEM	DESCRIPTION	YES	NO
1.	Provided copy of your company registration document.		
2.	Provided certified copy of your company VAT registration Certificate if applicable		
3.	Tax clearance certificate/copy of tax compliance status (TCS) document has been submitted – in the name of the bidding entity		
4.	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, which is in arrears for more than three (3) months? No bid will be awarded to a company and its directors that owe more than three (3) months charges to any municipality or metro.		
5.	Lease agreement/municipal account of not older than three months in the name of the bidding entity. (Copy of the lease agreement will only be accepted if water and lights are part of lease payment).		
6.	All pages of the bid document have been read by the bidder and the returnable schedules and MBD forms duly completed and signed.		
7.	All pages requiring information have been completed in full and in black ink.		
8.	No pages removed from the tender document		
9.	The pricing schedule has been signed.		
10.	A copy of the resolution of your Board of Directors, similar to the attached specimen, authorizing the signatory to sign the tender and the subsequent contracts, has been attached and signed.		
11.	JV agreement has been attached and signed (if applicable)		

12.	Bidder must attach the Central Supplier Database (CSD) registration full report.		
13.	In case of any amendments made, was it signed in full by the authorized signatory? Please note that the use of tipp-ex will lead to immediate disqualification.		
14	SANS 780 and SANS 60076-1 Certificates.		
15	Transformer Approved Manufacturer Certificate.		
16.	Please declare any interest as required in terms of MBD - 4 truthfully and correctly as incorrect declarations are considered a criminal offence. ▪ Personal Tax Numbers included ▪ State Employee Number / Persal Number ▪ Identity number ▪ Name		
17.	Please take note of the functionality evaluation criteria that will be applied to your submission in order to ensure that your company has the necessary capacity and capability to successfully execute this tender, if appointed. Ensure that sufficient information is included in your submission to ensure successful evaluation of your bid.		

PLEASE NOTE:

- ❖ **No contract will be awarded to a service provider, if the service provider or its directors are in arrears with their municipal accounts for more than three (3) months.**
- ❖ **In case of a Joint Venture, please note that individual documents must be submitted for all parties in the JV, like tax clearance certificates, municipal accounts, etc.**
- ❖ **No communication with Lesedi Municipal officials is allowed after the closing date of the tender. The only authorized form of communication will be through the Supply Chain Management Office.**
- ❖ **No bids will be accepted if not submitted on the correct closing date and time. No late bids will be considered, even if only late by a minute.**