



**CITY OF TSHWANE METROPOLITAN MUNICIPALITY**

**TENDER NUMBER:**

EED 34-2023/24

<b>TENDER DESCRIPTION:</b>	TENDER FOR TECHNICAL AUDIT WORK AND SUPPLY, INSTALL AND COMMISSION OF RELAYS ON TSHWANE'S TRANSMISSION AND DISTRIBUTION ELECTRICAL NETWORK AS AND WHEN REQUIRED OVER A 3-YEAR PERIOD.
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**NAME OF BIDDER:** .....

**CSD NUMBER:** .....

**VENDOR NUMBER (WHERE APPLICABLE)** .....

Prepared by:  
City of Tshwane Metropolitan Municipality  
Tshwane House  
320 Madiba Street  
Pretoria CBD  
0002  
Tel: 012 358 9999

**BID CLOSING DATE**

**07 August 2024**

Only bidders registered on the central supplier database (CSD) and with a CSD number will be considered for this tender, as this is a requirement from the National Treasury.

“Note: Bidders are required to submit electronic copies of the bid either by memory stick together with the hard copy of the Bid/Proposals”



**CITY OF TSHWANE METROPOLITAN MUNICIPALITY**

**DEPARTMENT: ENERGY AND ELECTRICITY**

Bids are hereby invited from suppliers for the following bid:

Bid number	Description	Department	Contact person	Compulsory briefing session	Closing date
EED 34-2023/24	TENDER FOR TECHNICAL AUDIT WORK AND SUPPLY, INSTALL AND COMMISSION OF RELAYS ON TSHWANE'S TRANSMISSION AND DISTRIBUTION ELECTRICAL NETWORK AS AND WHEN REQUIRED OVER A 3-YEAR PERIOD.	Energy and Electricity	Nqaba A. Mehlo	<b>Date:</b> 23 July 2024 <b>Venue:</b> 1086 Market street, Claremont, Pretoria   0001, <b>Time:</b> 10:00	07 August 2024 at 10:00

**THE DOCUMENT IS DOWNLOADABLE ON THE TSHWANE WEBSITE ([www.tshwane.gov.za](http://www.tshwane.gov.za)) and on the E-tender portal.**

**Each tender shall be enclosed in a sealed envelope that bears the correct identification details and shall be placed in the tender box located at:**

**“Note: Bidders are required to submit electronic copies of the bid either by memory stick/USB flash drive together with the hard copy of the Bid/Proposals”**

**Tshwane House  
320 Madiba Street  
Pretoria CBD  
0002**

Documents must be deposited in the bid box not later than **10:00 on 07 August 2024**

**Bidders must contact the following officials for any enquiries:**

- Technical enquiries: Nqaba A. Mehlo (012 358 3026 or [nqabam@tshwane.gov.za](mailto:nqabam@tshwane.gov.za))
- Supply chain enquiries: Mulondi Rasekgala (012 358 6636 or [mulondin@tshwane.gov.za](mailto:mulondin@tshwane.gov.za))

**Bids will remain valid for a period of 90 days after the closing date.**

Bids received after the closing date and time will not be considered. The City of Tshwane does not bind itself to accept the lowest or any other bid in whole or in part.

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## VERY IMPORTANT NOTICE ON DISQUALIFICATIONS

A bid that does not comply with the peremptory requirements stated hereunder will be regarded as not being an “acceptable bid”, and such a bid will be rejected. An “acceptable bid” means any bid which, in all respects, complies with the conditions of the bid and the specifications as set out in the bid documents, including the conditions as specified in the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000) and related legislation as published in *Government Gazette 22549*, dated 10 August 2001, in terms of which provision is made for this policy.

1. If any pages have been removed from the bid document and have therefore not been submitted or if a copy of the original bid document has been submitted.
2. If the bid document is completed using a pencil or Tippex corrections were made, or any other colour ink. Only black ink must be used to complete the bid document.
3. The bidder attempts to influence or has in fact influenced the evaluation and/or awarding of the contract.
4. The bid has been submitted after the relevant closing date and time.
5. If any bidder who, during the last five years, has failed to perform satisfactorily on a previous contract with the municipality, municipal entity or any other organ of state after written notice was given to that bidder that performance was unsatisfactory.
6. The accounting officer must ensure that, irrespective of the procurement process followed, no award may be given to a person –
  - (a) who is in the service of the state;
    - i. if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or
    - ii. who is an advisor or consultant contracted to the municipality in respect of a contract that would cause a conflict of interest.
7. Bid offers will be rejected if the bidder or any of his/her directors are listed on the Register of Bid Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act 12 of 2004) as a person prohibited from doing business with the public sector.
8. Bid offers will be rejected if the bidder has abused the City of Tshwane supply chain management system.
9. Failure to complete and sign the certificate of independent determination or disclosure of wrong information.
10. Duly Signed and completed MBD forms (MBD 1, 4, 5, 8 and 9) The person signing the bid documentation must be authorised to sign on behalf of the bidder. Where the signatory is not a Director / Member / Owner / Shareholder of the company, an official letter of authorization or delegation of authority should be submitted with the bid document.
11. All MBD documents fully completed (i.e. no blank spaces) and fully signed? By the authorized personnel.
12. False or incorrect declarations on any of the MBD documents will result in the rejection of the bidder.

- 13 It is the responsibility of the bidder to disclose in MBD4 any interest in any other related companies or business whether they are bidding for this contract. Failure to disclose this interest will result in the rejection of the bid.
- 14 Joint Ventures (JV) – (Only applicable when the bidder tender as a joint venture)
- i. Where the bidder bid as a Joint Ventures (JV), the required or relevant documents under administrative requirements must be provided/submitted for all JV parties. (These include MBD4, MBD5, MBD8, MBD 9, CSD and/ or SARS pin, Confirmation that the bidder’s municipal rates and taxes are up to date.)
  - ii. In addition to the above the bidder must submit a Joint Venture (JV) agreement signed by the relevant parties.
  - iii. It is a condition of this bid that the successful bidder will continue with same Joint Venture (JV) for the duration of the contract, unless prior approval is obtained from City of Tshwane.
  - iv. JV agreement must be complete, relevant and signed by all parties.

Failure to comply with the above will lead to immediate disqualification.

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**Bidder**

**CERTIFICATE OF AUTHORITY FOR SIGNATORY**

Status of concern submitting tender (delete whichever is not applicable):

COMPANY/PARTNERSHIP/ONE-PERSON BUSINESS/CLOSE CORPORATION/JOINT VENTURE

**A. COMPANY**

If the bidder is a company, a certified copy of the resolution of the board of directors that is personally signed by the chairperson of the board, authorising the person who signs this bid to do so and to sign any contract resulting from this bid, and any other documents and correspondence in connection with this bid or contract on behalf of the company, must be submitted with this bid.

An example is shown below:

By resolution of the board of directors on ..... 20.....,  
Mr/Ms ..... has been duly  
authorised to sign all documents in connection with  
Bid Number .....

**SIGNED ON BEHALF OF THE COMPANY:** .....

**IN HIS/HER CAPACITY AS** .....

**DATE:** .....

**SIGNATURE OF SIGNATORY:** .....

**WITNESSES:** 1. ....

2. ....

**B. PARTNERSHIP**

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

<b>Full name of partner</b>	<b>Residential address</b>	<b>Signature</b>
.....	.....	.....
.....	.....	.....
.....	.....	.....

We, the undersigned partners in the business trading as ....., hereby authorise ..... to sign this bid as well as any contract resulting from the bid and any other documents and correspondence in connection with this bid or contract on our behalf.

.....  
**Signature**                      **Signature**                      **Signature**

.....  
**Date**                              **Date**                              **Date**

**C. ONE-PERSON BUSINESS**

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

.....  
**Signature**                      **Date**

**D. CLOSE CORPORATION**

In the case of a close corporation submitting a bid, a certified copy of the founding statement of such corporation shall be included with the bid with a resolution by its members, authorising a member or other official of the corporation to sign the documents and correspondence in connection with this bid or contract on behalf of the company.

An example is shown below:

By resolution of the members at the meeting on ..... 20..... at ..... , Mr/Ms ..... , whose signature appears below, has been duly authorised to sign all documents in connection with Bid Number .....

**SIGNED ON BEHALF OF THE CLOSE CORPORATION:** .....

**IN HIS/HER CAPACITY AS:** .....

**DATE:** .....

**SIGNATURE OF SIGNATORY:** .....

**WITNESSES:**     1. ....

                          2. ....

**E. CERTIFICATE OF AUTHORITY FOR JOINT VENTURES**

This returnable schedule is to be completed by joint ventures.

We, the undersigned, are submitting this bid offer in joint venture and hereby authorise Mr/Ms ..... , authorised signatory of the company..... , acting in the capacity of the lead partner, to sign all documents in connection with the bid offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature: ..... Name: ..... Designation: .....
		Signature: ..... Name: ..... Designation: .....
		Signature: ..... Name: ..... Designation: .....
		Signature: ..... Name: ..... Designation: .....

# SPECIFICATION OR TERMS OF REFERENCE



## ENERGY AND ELECTRICITY DEPARTMENT

Tender for technical audit work and supply, install and commission of relays on Tshwane's transmission and distribution electrical network as and when required over a 3-year period.

### BID NUMBER

(EED 34-2023/24)

## 1. INTRODUCTION AND PURPOSE

As part of the essential substation protection maintenance program and in an attempt to improve overall performance and reliability of Tshwane's electrical network, substation protection audits are required. The Technical Specification provides a guideline to the technical requirements of the audit tasks to be performed on the extensive high and medium voltage power system of Tshwane's electrical network. Section I of this document outlines in more detail the requirements of work to be done. The contractor shall be responsible for the complete scope of work.

## 2. BACKGROUND

The City of Tshwane has more than 4000 panels to be audited and average of 80 relays per substation, 90% of-which is able to be audited during normal working hours. Due to network constraint 10% of the panels may require auditing after hours or on weekends. Normal overtime will be calculated at 1.5 times the normal hours per bay. Sunday and Public holiday, overtime will be calculated at 2 times the normal hours. Normal working hours will be from 07:00 to 17:00. Normal overtime will include Saturday.

The clauses in this section refer to the various items to be tendered for in the Table of Rates and Tariffs.

This tender has two sections:

**SECTION I: TECHNICAL AUDIT WORKS (275/132/33/11kV)**

**SECTION II: SUPPLY, DECOMMISSION, INSTALLATION, DESIGN AND COMMISSIONING OF OBSOLETE (IEDS) MULTIFUNCTIONAL RELAYS.**

The tender will be awarded per section and City of Tshwane reserves the right to appoint more than one (1) Service Providers (SP) per section. The SP appointed in SECTION I will not be appointed in SECTION II. Tenderers must indicate which section is their first preference so that they can be appointed in that particular section in case they are successful in both sections.

## **LOCATION OF WORK**

Substations to be confirmed upon appointment and includes all substations in the Tshwane region.

## **3. PROJECT SCOPE**

### **3.1 SAFETY, HEALTH & ENVIRONMENT**

The project will be executed strictly in accordance with the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and its regulations. Tenderers must refer to the Occupational Health and Safety Specification for detail requirements.

### **3.2 QUALITY MANAGEMENT**

A Quality Management Plan/System shall be set up to assure the quality of the Technical Audit work and commissioning protection relays. The contractor/supplier's Technical Audit work and installation and commissioning of protection relays shall be inspected and approved by the chief engineer Audit and Protection. The details of the approval of work shall be subject to the agreement between City of Tshwane and Supplier/Contractor.

### **3.3 CONTRACTOR TEST EQUIPMENT**

Tenderers shall demonstrate their ability to fulfil the requirements of the tender by providing details of their test equipment. Tenderers must have full access to a minimum test equipment for the full duration of the project period. The minimum test equipment refers to test instruments that will be used to test according to the required tests under "SECTION I: TECHNICAL AUDIT WORKS (275/132/33/11kV)". Proof hereof must be submitted with the tender.

#### **Technical Audit Testing Equipment**

1. Primary injection set: AC 800A; AC 2000V
2. Power transformer tester: up 240V; 40A
3. Insulation Tester: (up to 10-15kV
4. Tan Delta: up to 12kV; 5A
5. Sweep frequency analyser (SFRA)
6. Secondary injection: 4x300V and 6x32A
7. Circuit breaker tester / analyser: up to 200A
8. Current transformer tester / analyser: up to 15A; 120V

- a) A periodic calibration schedule for all equipment utilised should be kept by the service provider. A copy of the schedule shall be made available to the CoT for Audit purposes and be submitted after contract finishes.
- b) The successful Tenderer shall provide Calibration Certificates or certified copies thereof for all Test Equipment (including multi-meters etc.) regarded to be utilized for the execution of the audit tests.
- c) If the Contractor fails to submit such Calibration Certificates for all his equipment he will not be allowed to performed technical audit tests until it has been submitted and proved to be legitimate.
- d) The Calibration Certificates may be verified by the Chief Engineer and he may inspect and compare the Certificate to the actual utilized equipment at any time. This Certificate or a certified copy thereof must be readily available on site.
- a) The calibration certificate shall be issued by a SANAS Certified Calibration Institute and shall be yearly renewed by the service provider. The calibration of equipment will be for the account of the service provider and there will be no additional costs charged to the City of Tshwane to conform to the abovementioned.

### **3.4 WORKING IN LIVE YARDS**

In order that the Council may make the necessary arrangements, each application for a Work Permit shall be submitted to the Engineer, together with all the required particulars, at least seven full working days before access to the site yard is required.

With regard to the switching out of equipment to facilitate the carrying out of Contract work, it shall be distinctly understood that switch-out dates, times and periods are subject to load and operational requirements. Operational and/or load requirements may dictate that Contract Work on the existing network be carried out over weekends or outside normal working hours.

The Contractor shall obtain, complete and return the following documentation (forms) one week before access to the site is required:

- Issuing of substation keys to Contractors (where applicable)
- Temporary Permit to enter a security area
- Appointment of a competent person to supervise workers near electrical equipment
- Duties and responsibilities for the competent person supervising construction work near live electrical work.

### **3.5 PERMIT TO WORK**

As the work may be done in stages, sections of the area can be energized. We draw your attention to the Electrical Machinery Regulation R4 & R5. The Contractor shall not work on any part(s) of the high voltage distribution system until such part(s) of the system have been isolated and earthed and the appropriate measures have been taken to prevent accidental re-energizing of the part(s) and a "permit to work" authorization in writing has been obtained from the Engineer or his duly authorized representative.

Before the Contractor signs for and accepts the permit he must satisfy himself that the part of the system on which he requires to work has been effectively isolated and earthed, that all circuits have been clearly identified, and that the Engineer has made it safe to work at the point of working.

The "permit-to-work" shall be made in duplicate and must contain the following:

- Written description of location of points of isolation and of earthing.
- Name and signature of person to whom the permit is issued
- Time and date of issue of permit
- Statement handing-over section(s) of system clearly defining the part(s) handed-over as being safe to work upon.
- Signature of the Supply Authority or his duly authorized representative

The original "permit-to-work" shall be handed to the Contractor who shall retain it until such time as his work is completed on that part of the system covered by the permit.

After ensuring that no person employed by the Contractor or any Sub-contractor is still working on the system and that work is completed, the Contractor shall sign the "permit-to-work" and return it to the Engineer in order that the electrical installation may be re-energized. The same person that took out and signed the permit must return it.

Notwithstanding the foregoing, the Contractor shall at all times take all necessary precautions and make all necessary tests to ensure the safety of all persons employed by him or by any Sub-contractor.

No extras to the contract or extension of time will be allowed due to any of the above factors.

## **SECTION I: TECHNICAL AUDIT WORKS (275/132/33/11kV)**

### **TECHNICAL ITEM DESCRIPTIONS**

The following is a technical description of what each item entails and refers to the respective items in the Table of Rates and Tariffs.

#### **NOTE:**

##### **Deliverables**

- Document and report on the above findings and results.
- Document and report on all nameplate information that must be recorded or verified.
- The documentation and reports shall be presented in an agreed, hardcopy and software, format.
- The Hardcopy shall be presented in A4 file format.
- The software shall be presented on memory stick. The Curve must be generated by testing instrument software. (Recommend that the test instrument plot this curve internally).

### **3.6 ITEM NO 1.1: TRANSFORMER PRIMARY TESTING**

#### **3.6.1 Primary type tests**

##### **Description**

##### **CAPTURE TRANSFORMER NAME PLATE INFORMATION**

- Substation name
- Manufacturer
- GPS coordinate
- Transformer label (A, B or R)
- Type
- Serial Number
- Year of Manufacture
- Type of Cooling
- VA Rating
- Vector Group
- % Impedance for given taps
- Tap Changer Type
- Number of tap positions

##### **CAPTURE HV&LV PANEL INFORMATION**

- Panel Number
- Voltage
- Type

- Panel Name
- Tested By
- Date Tested
- Manufacturer Type
- Static or Mechanical
- Relay Curve
- Relay Rating
- Serial Number
- Relay Settings as found.

### **TRANSFORMER TESTS**

- Impedance
  - Ratio
  - Vector Group
  - Magnetisation
  - DC Resistance
  - Insulation
  - Transformer OLTC contact resistance (tap-change analysis)
  - Tan Delta (transformer bushings and windings)
  - Sweep Frequency Analysis (SFRA)
- a) Prove the percentage Impedance of the transformer on minimum, nominal and maximum tap positions.
  - b) Prove the ratio of the transformer.
  - c) Prove the vector group of the transformer on nominal tap position.
  - d) Do a magnetization test on the transformer.
  - e) Check the operation of the tap-change mechanism and recording any malfunction observed.
  - f) Carry out resistance & continuity of OLTC tests on All tap Positions.
  - g) Carry out the insulation resistance on transformer.
  - h) Carry out tan delta test.
  - i) Carry out factory recommended inspection and provide inspection forms

### **3.6.2 CURRENT TRANSFORMER RATIO, MAGNETISATION, INSULATION AND BURDEN TESTS (275/132/33/11KV)**

#### **Description**

CAPTURE CURRENT TRANSFORMER INFORMATION (R, Y, B)

- Make
- Type
- B.I.L.
- S.T.
- Location
- Serial Number

- Use of Core
- Class
- VA Rating
- Knee point Voltage
- Knee point Current
- Rs
- Ratio on Nameplate
- Secondary Nominal Current
- Selected Ratio

## **CURRENT TRANSFORMER RATIO, MAGNETISATION, INSULATION AND BURDEN TESTS**

### **MAGNETISATION CURVE**

- Determine the knee point of every current transformer, using the selected ratio, by recording at least 10 points (voltage and current) on the current transformer's curve. Indicate these values in table format.
- Plot the curves using the above values and indicate where the knee points will be on the curves. (Take at least 4 points before and 4 points after the knee point). Recommended that the curve must be generated by testing instrument software.

### **RATIO**

- Test current transformer ratio and compare with the nameplate ratio.

### **INSULATION TEST**

- Insulation test on the CT
- Insulation test on CT circuit

### **BURDEN TEST**

- Determine the current transformer resistance.
- Determine the circuit resistance.

### **3.6.3 CIRCUIT BREAKER TEST (275/132/33/11KV)**

Description

CAPTURE CIRCUIT BREAKER INFORMATION

- Serial Number
- Rated Voltage
- Rated Frequency
- Rated Current
- Rated Breaking Current
- Rated Trip Coil Voltage
- Rated Close Coil Voltage
- Rated Spring Charge Motor Voltage

### **CIRCUIT BREAKER: MAIN CONTACT RESISTANCE TEST (275/132/33/11KV)**

- Do the resistance test, on all 3 (three) phases, with the micro-ohmmeter using not less than 100A on HV and MV breakers and 100A on the LV breaker.

**CIRCUIT BREAKER: SPEED TESTS (275/132/33/11KV)**

- Do an open and close speed test with a circuit breaker analyzer test set showing the open and close times on each pole as well as the discrepancies between the opening and closing poles.

**CIRCUIT BREAKER: COIL RESISTANCE AND MINIMUM OPERATING VOLTAGE TESTS (275/132/33/11KV)**

- Measure the trip and close coil resistance and determine each coil's minimum operating voltage.

**CIRCUIT BREAKER: OVER VOLTAGE PRESSURE TEST (275/132/33/11KV)**

- Over voltage pressure test between phase and earth
- Over voltage pressure test across the contacts

**3.7 ITEM 1.2: TRANSFORMER AND NEUTRAL EARTHING COMPENSATOR (NEC) FUNCTIONAL TRIPS.**

**Functional trip:**

- Buchholz trip
- Operate and verify the applicable relay operation. Trip circuit breaker or verify signal to circuit breaker.
- Oil temp alarm.
- Operate and verify the applicable relay operation.
- Oil temp trip.
- Operate and verify the applicable relay operation. Trip circuit breaker or verify signal to circuit breaker.
- Winding temp alarm
- Operate and verify the applicable relay operation.
- Winding temp trip
- Operate and verify the applicable relay operation. Trip circuit breaker or verify signal to circuit breaker.
- Inter-trip send / receive
- Open inter-trip links. Operate protection to send inter-trip. Verify signal at open inter-trip links.
- Tap changer:  
Tap transformer up and down and verify indication of tap position on tap change panel.

**3.8 ITEM 1.3: PROTECTION STABILITY TESTING INCLUDING NEC**

**Stability testing**

- Differential Protection

- HV Restricted Earth Fault
- LV Restricted Earth Fault
- Standby Earth Fault Stage 1
- Standby Earth Fault Stage 2

### **3.9 ITEM 1.4: TRANSFORMER PROTECTION/RELAY TEST (secondary injection)**

Description

CAPTURE HV&LV PANEL INFORMATION:

- Panel Number
- Voltage

SECONDARY INJECTION TRIP TEST:

- Type
- Panel Name
- Tested By
- Date Tested

CAPTURE HV&LV RELAY INFORMATION:

- Manufacturer
- Type
- Serial Number
- Relay Settings as found.

#### **Transformer Secondary Injection Tests**

- HV Over Current
  - LV Over Current
  - Directional Over Current
  - Differential Protection
  - HV Restricted Earth Fault
  - LV Restricted Earth Fault
  - Standby Earth Fault Stage 1
  - Standby Earth Fault Stage 2
- 
- Pick-up/Creep test on each element of the Protection Devices Compare the findings to a calculated value and show the error as a percentage (+or-).
  - Indicate whether the Protection Device passes or fails.
  - Characteristic tests on each element of the Protection Devices by injecting 2 (two), 4(four) and 6 (six) times the actual setting, tripping the actual circuit breaker. Protection Devices with High-set ( $I_{>}$  or  $I_{n>}$ ) and Super High-set functions ( $I_{>>>}$  or  $I_{n>>>}$ ) which are in use must also be tested. Compare the

findings to a calculated value and show the error as a percentage (+or-). Indicate whether the Protection Device passes or fails.

- Verify all alarms and tripping functions of the relay.
- Prove and check stability on all Restricted Earth Fault circuits.
- Prove and check stability on all Differential circuits.
- Prove that all transformer trips and alarms from the actual protection device.
- Perform operational tests on the relevant tap changer, recording ratios and comparing nameplate ratios on all taps.
- Prove all tap changer trips and alarms from the actual protection device.
- Prove all control and indication circuits locally on the panel as well as on the local limited control panels and where applicable via the supervisory control.
- Inject the switchgear and control panel ammeters (where applicable) to determine their accuracy. Compare the findings to a calculated value and show the error as a percentage (+or-).
- Inject the switchgear and control panel voltmeters (where applicable) to determine their accuracy. Compare the findings to a calculated value and show the error as a percentage (+or-).
- Capture Transducer Information (where applicable).

### **3.10 ITEM 1.5 TO 1.7: 275/132/33kV CURRENT, VOTAGE TRANSFORMER AND CIRCUIT BREAKER TESTING.**

#### **3.10.1 CIRCUIT BREAKER TESTING (275/132/33kV)**

##### **CIRCUIT BREAKER: MAIN CONTACT RESISTANCE TEST**

Description

##### **CAPTURE CIRCUIT BREAKER INFORMATION**

- Serial Number
- Rated Voltage
- Rated Frequency
- Rated Current
- Rated Breaking Current
- Rated Trip Coil Voltage
- Rated Close Coil Voltage
- Rated Spring Charge Motor Voltage

Do the resistance test, on all 3 (three) phases, with the micro-ohmmeter using not less than 100A on the HV circuit breakers.

##### **CIRCUIT BREAKER: SPEED TESTS (275/132/33kV)**

Description

Do an open and close speed test with a circuit breaker analyzer test set showing the open and close times on each pole as well as the discrepancies between the opening and closing poles.

### **CIRCUIT BREAKER: COIL RESISTANCE AND MINIMUM OPERATING VOLTAGE TESTS (275/132/33/33kV)**

#### **Description**

Measure the trip and close coil resistance and determine each coil's minimum operating voltage.

### **3.10.2 CURRENT TRANSFORMER TESTING (275/132/33KV)**

#### **Current transformer testing (275/132/33/33kV)**

##### **CAPTURE CURRENT TRANSFORMER INFORMATION (R, Y, B)**

- Make
- Type
- B.I.L.
- S.T.
- Location
- Serial Number
- Use of Core
- Class
- VA Rating
- Knee point Voltage
- Knee point Current
- Rs
- Ratio on Nameplate
- Secondary Nominal Current
- Selected Ratio

### **CURRENT TRANSFORMER RATIO, MAGNETISATION, INSULATION AND BURDEN TESTS**

#### **Magnetisation curve**

Determine the knee point of every current transformer, using the selected ratio, by recording at least 10 points (voltage and current) on the current transformer's curve. Indicate these values in table format.

Plot the curves using the above values and indicate where the knee points will be on the curves. (Take at least 4 points before and 4 points after the knee point). Recommended that the curve must be generated by testing instrument software.

**Ratio**

Test current transformer ratio and compare with the nameplate ratio.

**Insulation test**

Insulation test on the CT

Insulation test on CT circuit

**Burden test**

Determine the current transformer resistance.

Determine the circuit resistance.

**3.10.3 VOLTAGE TRANSFORMER TEST (275/132/33kV)**

The Contractor shall carry out the following tests per secondary connection:

Ratio test:

Polarity test

The insulation resistance of the voltage transformers shall be measured, and the neutral earth tested on the secondary wiring.

**3.11 ITEM 1.8: TRANSFORMER OIL SAMPLE TESTING**

The contractor must take the oil Samples to the reputable laboratory for analysis.

Different Transformer Oil Test Performed:

- Dielectric Strength Testing
- Moisture Testing
- Acidity
- Dissolved Gas
- PCB Determination
- Furanic Testing

**3.12 ITEM 1.9: SECONDARY/RELAY INJECTION AND FUNCTIONAL TRIP TEST ON 11 kV BAYS**

The following is considered under this heading:

- RING FEEDER BAYS 11KV,
- MAIN FEEDER BAYS 11KV,
- OVERHEAD LINE BAYS 11KV.

## **SECONDARY INJECTION AND FUNCTIONAL TRIP TEST ON 11 KV PANEL**

### Description

Capture Panel Information:

- Panel Number
- Voltage
- Type
- Panel Name
- Tested By
- Date Tested
- Capture Relay Information:
  - Manufacturer
  - Type
  - Static or Mechanical
  - Relay Curve
  - Relay Rating
  - Serial Number
  - Relay Settings as found
  
- Pick-up/Creep test on each element of the Protection Devices Compare the findings to a calculated value and show the error as a percentage (+ or -). Indicate whether the Protection Device passes or fails.
- Characteristic tests on each element of the Protection Devices by injecting 2 (two), 4(four) and 6 (six) times the actual setting, tripping the actual circuit breaker. Protection Devices with High-set ( $I_{set}$  or  $I_{nset}$ ) and Super High-set functions ( $I_{set} >$  or  $I_{nset} >$ ) which are in use must also be tested. Compare the findings to a calculated value and show the error as a percentage (+or-). Indicate whether the Protection Device passes or fails.
- Prove all control and indication circuits locally on the panel as well as on the local limited control panels and where applicable via the supervisory control.
- Inject the switchgear and control panel ammeters (where applicable) to determine their accuracy. Compare the findings to a calculated value and show the error as a percentage (+/-).
- Inject the switchgear and control panel voltmeters (where applicable) to determine their accuracy. Compare the findings to a calculated value and show the error as a percentage (+or-).
- Capture Transducer Information (where applicable).
- Type

- Make
- Class
- Input and Output
- Inject the transducers (where applicable) to determine their accuracy. Compare the findings to a calculated value and show the error as a percentage (+ or -).

### 3.13 ITEM 1.10: 11kV CURRENT TRANSFORMER TESTING

Magnetisation test including insulation and burden tests.

Description

CAPTURE CURRENT TRANSFORMER INFORMATION (R, Y, B)

- Make
  - Type
  - B.I.L.
  - S.T.
  - Location
  - Serial Number
  - Use of Core
  - Class
  - VA Rating
  - Knee point Voltage
  - Knee point Current
  - Rs
  - Ratio on Nameplate
  - Secondary Nominal Current
  - Selected Ratio

#### MAGNETISATION CURVE TEST

Determine the knee point of every current transformer, using the selected ratio, by recording at least 10 points (voltage and current) on the current transformer's curve. Indicate these values in table format.

Plot the curves using the above values and indicate where the knee points will be on the curves. (take at least 4 points before and 4 points after the knee point). The Curve must be generated by testing instrument software. (Recommend that the test instrument plot this curve internally)

#### INSULATION TEST

- Insulation test on the CT.
- Insulation test on CT circuit.

#### RATIO

Test current transformer ratio and compare with the nameplate ratio.

#### INSULATION TEST

Insulation test on the CT

Insulation test on CT circuit

### **BURDEN TEST**

Determine the current transformer resistance.

Determine the circuit resistance.

### **3.14 ITEM 1.11: VOLTAGE TRANSFORMER TEST (11kV)**

The Contractor shall carry out the following tests per secondary connection:

- Ratio test.
- Polarity test.
- The insulation resistance.

### **3.15 ITEM 1.12: CIRCUIT BREAKER TESTING (11kV)**

#### **Circuit breaker: main contact resistance test (11kV)**

A. Description

CAPTURE CIRCUIT BREAKER INFORMATION:

- Serial Number
- Rated Voltage
- Rated Frequency
- Rated Current
- Rated Breaking Current
- Rated Trip Coil Voltage
- Rated Close Coil Voltage
- Rated Spring Charge Motor Voltage

Do the resistance test, on all 3 (three) phases, with the micro-ohmmeter using not less than 100A.

#### **Circuit breaker: speed tests (11kV)**

Description

o Do an open and close speed test with a circuit breaker analyzer test set showing the open and close times on each pole as well as the discrepancies between the opening and closing poles.

**Circuit Breaker Mechanical Test:**

- The Contractor shall carry out the following checks:
- Torque-testing all primary conductor bolts and nuts and recording results.
- Ascertaining that all bolts and nuts used were new and comply with the manufacturer's specification.
- Checking the circuit breaker for any defects or damage due to manhandling.
- Checking circuit breaker alignment and ease of racking in and out.
- Checking bus bar shutter operations for smooth operation and adjustment thereof, if necessary.
- Checking operation of circuit breaker manually.
- Testing earth continuity of earthing bus bars and connection to station earth mat.
- Ensuring that all covers are fitted and explosion vents functional.
- Grease circuit breaker contacts points and clean the arms.

**3.16 ITEM 1.13: 11kV BUSBAR SCHEME**

The following schemes are considered:

- Frame Leakage
- Bus Bar Blocking
- Chop Over Scheme
- Arc protection scheme.
- Prove the scheme as a whole.

**3.17 ITEM 2.1 TO 2.2: SUBSTATION EARTH MAT RESISTANCE & ELECTRICAL BONDING MEASUREMENTS****SUBSTATION EARTH MAT RESISTANCE MEASUREMENT****A. Methodology**

o The substation earth mat earth resistance shall be measured from the main earth bar according to the SANS 10199:2004 3-terminal Fall-of-potential method for small or medium size earth grids and the derived Tag Test method in the case of large grids with a limited and highly obstructed workspace.

**B. The Earth Resistance tester shall have the following characteristics:**

o The earth resistance tester shall make use of unique AC test frequency distinguishable from the power frequency and its harmonics with suitable input filtering to prevent stray currents from interfering with the earth resistance measurement. The measurement shall be made without the requirement to isolate other earth connections from the earth grid prior to the measurement. Disconnecting the earth grid is deemed a dangerous practice especially in the event of a fault or lightning strike.

o Earth resistance test shall be performed at a suitable distance (at least 5 times diagonal with or depth of the earth grid) and at each 10% percentiles i.e. 10%, 20%,

60%, 90% allowing additional verification of the recorded results via the 62% rule, Tagg slope technique and the four potential method.

o The earth resistance tester shall have the capability to measure any earth noise voltages that may interfere with testing leads. These earth voltages must be logged during each earth resistance measurement. Note for stray voltages  $V_{stray} > 60V$ , shielded earth cables with the one side is to be connected to the earth grid and the other end floated shall be used.

#### A. Deliverables

o Document and report on the above findings and results.

### EARTH BONDING MEASUREMENTS

#### A. Methodology

The earth bonding of all earth connections to and from all earth bars i.e. main earth bar, switchgear earth bar, field earth bars shall be measured via the use of the earth loop “clamp-on” method. This method offers the ability to measure the bonding to ground, the overall earth connection resistance and earth loops noise currents without disconnecting the ground. By discarding the noise currents far more meaningful impedance is obtained in comparison to the normal ohm-meter method.

### SUBSTATION EARTH MAT RESISTANCE MEASUREMENT (CONTD)

B. The EARTH BONDING tester shall have the following characteristics:

o The method relies on the low impedance return path provide by the system earth grid normally connected in parallel with the earth bonding connection under test.

o The clamp-on tester’s special voltage transformer injects a test current (with a unique test frequency) into this earth loop and a second transformer then measure the resulting current through the circuit.

o The clamp-on-tester’s advanced filtering screen out all other frequencies thereby calculating the loop impedance according to Ohms-law.

o An abnormally high reading or an open circuit indicates a poor connection between two or more earth connections.

#### B. Deliverables

o Document and report on the above findings and results.

### 3.18 ITEM 2.3: BATTERY CHARGERS

A. Perform the following tasks on all substation battery chargers:

- Check condition of batteries and connection
- Test battery charger
- Record all standing load and charging currents
- Insulation test of DC circuit

- Battery discharge test

B. Deliverables

- Report for each battery charger confirmed battery charger details, test results and any problems detected.

### **3.19 DRAWINGS (275/132/33/11kV)**

#### **3.19.1 GENERAL REQUIREMENTS**

The unit rate for the drawings entails that all drawings shall be done on A4 size as a draft copy for re-check purposes. Only after the contractor's final quality check and final approval by the Engineer shall the drawings be done on A3 size.

The drawings shall be made available in both hard copy (A3) and soft copy (AutoCAD (dwg format) and PDF) copies. The latest version of AutoCAD (AutoCAD 2024) shall be used unless otherwise specified by the Engineer. An example of the A3 file format of the hard, soft copy and software drawings shall be submitted to the Engineer for approval before submitting the final product.

The technical layout of drawings shall conform to the existing standards as utilized by Tshwane Electricity. Clause 5.1.1 provides a summary of the drawing layout requested. Examples the various functionalities are attached as Annexure C. Any further detail information can be obtained from the Engineer on request.

- A. The file used for the Hardcopy A3 copy shall be off the double layer cardboard type, blue in color and covered with a durable fixed PVC cover that is water resistant. The correct size holdings screws will be used depending on the thickness of the file.
- B. When drawings are produced as a final format, it shall conform, but not limited, to the listed guidelines. The hard and soft copy shall be arranged to the following: Drawing List includes all the drawing names (of each and every panel) with the corresponding drawing numbers.
- C. Substation Yard Layout - the position of the substation building with respect to the yard fence and other structures. Accurate measurements shall be included.
- D. Substation Layout - depict the positions of doors, distribution board, and switchgear room with panels, control room with control panels, cable trenches, battery room(s), battery charger(s) and battery bank(s). Other storage rooms and toilets shall be included. Accurate measurements shall form part of the layout.
- E. Single Line Diagram Including all Transformers, Bus bars, Incomers, Main feeders, Ring feeders etc. It is not necessary to include CT Information with the Single Line Diagram.

- F. Current Transformers (CT's) and Voltage Transformers (VT's) Information in a Table format
- G. Panel Layout -Indicate the layout of the Relays, Ammeters, Voltmeters, Test blocks and other instrumentation on front of panel.
- H. Control Panel Layout (if applicable) Layout of remote control panels to circuit breakers
- I. Protection Block Diagrams - Bus bar Blocking Diagram of Frame Leakage (Bus Zone) layout as and where applicable.
- J. Panel drawings shall be per panel and depicting the following on different pages:
  - Tripping Logic Diagram(s)
  - AC Circuit Diagram(s)
  - AC & DC Supply Circuit Diagrams
  - DC (Scheme) Bus wire Circuit(s) - where applicable
  - Tripping Circuit(s)
  - Closing and Motor Circuit(s)
  - Scheme Circuit(s) - where applicable
  - Indication Circuit(s)
  - Alarm Circuit(s)
  - Supervisory Diagram(s)

**3.19.2 ITEM 3.1-3.4: RING OUT & TRACE OF AC & DC WIRING TO GENERATE A3 DRAWINGS**

Items (1 to & including 4) under Section II: Drawings, (M) Ring Out & Trace of AC & DC wiring to generate A3 drawings, for the respective equipment on the 275/132/33 & 11kV power system, are included under this technical description.

All substations or panels of which no drawings of any sort are available are classified as "Black" substations or panels and are classified under 14.2. The unit rate entails the detail ring out and trace of all substation, bus and panel wiring to create a complete set of drawings in A3 Hard copy as well as Software (AutoCAD and PDF) approved format.

The unit rate shall make provision for all site work, producing a draft "working" copy and performing on site quality checks before generating a set (one) of final drawings.

**3.19.3 ITEM 3.5-3.8: REDRAW OF EXISTING DRAWINGS & GENERATE A3 COPIES**

Items (1 to & including 4) under Section II: Drawings, (N) Redraw of Existing Drawings & Generate A3 Copies, for the respective equipment on the 275/132/33 & 11kV power system, are included under this technical description.

Substations or panels of which no Software Copy of the drawings is available are classified under 14.3. The unit rate entails the detail redraw from an existing copy of Hardcopy drawings in the approved Tshwane format. There will be no actual "site work" involved. A technical analysis might however be necessary to transform the drawing(s) to the approved format. A complete set of drawings in A3 Hardcopy as well as Software (AutoCAD) approved format shall be produced.

The unit rate shall make provision for all technical analysis and software related work, producing a draft "working" copy and performing quality checks before generating a set (one) of final drawings.

**3.19.4 ITEM 3.9-3.12: CREATE SOFT COPIES FOR EXISTING DRAWINGS & GENERATE A3 COPIES**

Items (1 to & including 4) under Section II: Drawings, (0) Create Soft copies of Existing Drawings & Generate A3 Copies, for the respective equipment on the 2751132/33 & 11 KV power system, are included under this technical description.

Substations or panels of which no Soft Copies of the drawings are available, is classified under 14.4. The unit rate entails the detail redraw from an existing copy of Hardcopy drawings in the approved Tshwane format. There will be no actual "site work" involved. A technical analysis might however be necessary to transform the drawing(s) to the approved format. A complete set of drawings in A3 Hardcopy as well as Software (AutoCAD) approved format shall be produced.

The unit rate shall make provision for all technical analysis and software related work, producing a draft "working" copy and performing quality checks before generating a set (one) of final drawings.

**3.19.5 ITEM 3.13-3.16: UPDATE OF EXISTING DRAWINGS & GENERATE A3 COPIES**

Items (1 to & including 4) under Section II: Drawings, (P) Update of Existing Drawings & Generate A3 Copies, for the respective equipment on the 275/132/33 & 11 kV power systems, are included under this technical description.

Substation(s) or panel(s) of which Software Copy of the drawings exists and needs update is classified under 14.5. The unit rate entails the making of changes to the existing drawing(s) from a hand drawn copy of actual changes in panel wiring etc. There will be no actual "site work" involved. A technical analysis might however be necessary to transform the drawing(s) to the approved format. A complete set of drawings in A3 Hard copy as well as Software (Auto CAD and PDF) approved format shall be produced.

The unit rate shall make provision for all technical analysis and software related work, producing a draft "working" copy and performing quality checks before generating a set (one) of final drawings.

**3.19.6 3.17-3.20: TRACE & UPDATE OF EXISTING DRAWINGS & GENERATE A3 COPIES**

Items (1 to & including 4) under Section II: Drawings, (a) Trace & Update of Existing Drawings & Generate A3 Copies, for the respective equipment on the 275/132/33 & 11 kV power systems, are included under this technical description.

Substation(s) or panel(s) of which Hardcopy and Software Copies are available is classified under 14.6. The unit rate entails the confirmation of drawings by actual tracing of panel wiring. Updates to the drawing as recorded on site shall form part of the unit rate. Technical Skills is of utmost importance to produce an accurate set of A3 Hardcopy and Software (AutoCAD) drawing(s) in the approved format.

The unit rate shall make provision for all technical analysis and software related work, producing a draft "working" copy and performing quality checks before generating a set (one) of final drawings.

### **3.19.7 3.21-3.24: ADD-ON TO EXISTING DRAWING & GENERATE A3 COPIES**

Items (1 to & including 4) under Section II: Drawings, (R) Add-On to Existing Drawing & Generate A3 Copies, for the respective equipment on the 275/132/33 & 11 kV power systems are included under this technical description.

Substation(s) or panel(s) of which Hard and Soft Copies are available is classified under 14.7. The unit rate entails the add-on of new information to the drawing(s), for example a complete new panel from the supplier's drawings. There will be no actual "site work" involved. A technical analysis might however be necessary to transform the drawing to the approved format. A complete set of drawing(s) in A3 hard copy as well as Software (AutoCAD and PDF) approved format shall be produced.

The unit rate shall make provision for all technical analysis and software related work, producing a draft "working" copy and performing quality checks before generating a set (one) of final drawings.

### **3.19.8 ITEM 3.25-3.28: RE-PRINT OF EXISTING DRAWINGS & GENERATE A3 COPIES**

Items (1 to & including 4) under Section II: Drawings, (S) Print or Re-Print of Existing Drawings & Generate A3 Copies, for respective equipment on the 275/132/33 & 11 KV power systems, are included under this technical description.

Substations or panels of which Soft Copies are available are classified under 10.8. The unit rate entails the producing of hard copies from the existing software. A complete set of drawings in the approved A3 Hard copy format shall be produced.

The unit rate shall make provision for printing and binding the drawings in the approved format.

## **3.20 SPECIALISED SKILLS TRANSFER(training)**

### 3.20.1 Skills transfer Requirement

The CoT as an organization has an obligation to expedite mitigating approaches on challenges faced by the country which are wide scarce skills shortages of the officials and prospective young professionals. Skills Transfer as identified by CoT for this tender is technical oriented and specifically on Electrical protection and Electrical Testing. The Division is aiming to enhance the required skills within the Protection Test and Technical Audit Management Section (PTTA) and capacitate newly appointed officials within the (PTTA) section to effectively carry out ad-hoc work activities similar to the tender project. Critical and scarce skill transfer topics are highlighted below.

### 3.20.2 Skill transfer on PTTA officials

The contractor should work with CoT electricians, technicians and engineers when doing audit work in order to ensure that skills is transferred between the contractor and CoT officials. The contractor shall keep an attendance register of everyone that is in attendance.

## 3.21 **ITEM 4.1: BASIC PROTECTION COURSE**

Accreditation by SAQA (South African Qualifications Authority) and ECSA (Engineering Council of South Africa) for CPD (Continuing Professional Development) points (Technicians, technologists, engineers) is required.

- Protection philosophy, reason for protection and typical protection schemes found in the system (e.g. Transformer MV, feeder MV, Busbar).
- Understanding of relay indicator flags/lights after a fault.
- Relay settings
- Protection drawings analysis
- DC systems
- Fuses
- Injection and testing of relays
- Testing of CT's and PT's (ratio tests, polarity tests)
- Power System Earthing
- IEC 61850

### Advanced protection to cover following minimum topics

- Testing of CT's (ratio tests, polarity tests), Injection testing of relays, testing of directional relays.
- Load flow calculations, protection setting calculations and setting relays accordingly.
- Fault level analysis and Calculations
- Logics and
- Event records management and analysis

## 3.22 **ITEM 4.2: Cable Fault Location Course Content**

This course will cover all aspects of cable fault location from safety practice, and diagnosis to reporting. Accreditation by SAQA and ECSA for CPD points (Technicians, technologists, engineers) is required.

Topics include:

### Safety

- Test equipment position.
- Grounding.
- Built-in safety systems, and application of safety tools related to the equipment.

### System Voltage, Environmental, and Cable

- Cable type, construction elements, operating voltage, “U”, and “Uo”.
- Mapping and defining the cable route and cable length.
- Soil type and recent weather conditions.

### Fault Diagnosis

Measuring fault resistance, Loop resistance, TDR cable length  
Voltage with-stand

### Cable Fault Pre-Location methods:

- Understand the choices available and their application strengths.
- TDR, the suite of SIM MIM methods.
- Introduction to Impulse Current Methods, Decay Method, and to Differential Methods

**END OF SECTION I**

## **14 SECTION II**

### **14.15 REPLACEMENT, DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF POWER SYSTEM PROTECTION SCHEMES AT PRIMARY AND SECONDARY SUBSTATIONS**

The requirement of supply replacement for the intelligent protection scheme is major in the fact that the CoT network still have 2<sup>nd</sup> generation protection scheme. The tenderer should supply the replacement of the latter devices with the fifth of the sixth-generation devices which can monitor process and operate accurately during fault conditions. The protection scheme required should be able to operate within reasonable principles i.e. Speed, accuracy and reliable including time. They should also meet the respective IEEE standards on IEDs. IEEE1686: The standard has emphasis towards the functions and features to be provided in intelligent electronic devices (IEDs) to accommodate critical infrastructure protection schemes. Security regarding the access, operation, configuration, firmware revision and data retrieval from an IED are also addressed.

The following IEDs/devices with specific applications of power system protection scheme will be required.

**Service provider must submit catalogues/brochure of all the items being offered on the schedules below.:**

**Note: Tenders will not be considered unless this form is completed in full and signed on each page. The completion of the schedules below is compulsory, failure to comply with this requirement will lead to immediate disqualification.**

Schedule A below is the minimum requirement of the items mentioned:

**Item 8.1 Arc protection Relays**

<b>Arc protection Relays</b>			
<b>ITEM</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
<b>8.1</b>			
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Operating Voltage, input current	32 V – 110V DC,	
6.	Input / Output	8 inputs / outputs ,	
7.	Communication	DNP3/ 61850/	
8.	records	Disturbance recorder and events	
9.	Screen	LCD Display	
10.	Auxiliary Miscellaneous	Arc Flash Sensors, RS485 Port, Ethernet port/ usb	
11.	Application	11 KV panels	
12.	AC current	1/5A	

**Item 8.2 Main protection Feeder Cable Differential Relays**

<b>MAIN PROTECTION CABLE DIFFERENTIAL RELAYS</b>			
<b>ITEM</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
<b>8.2</b>			
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	30V – 110V DC	
6.	Inputs / Outputs	8< inputs outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list, Disturbance recording, Fault records and  Oscillography Phaseø presentation	
9.	LCD display	Display of currents and voltages.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV 11kV distribution networks. 50 HZ system.	
12.	AC current and voltage inputs	1/5A; 110V	

Tenderers signature.....

**Item 8.3 Main protection Feeder Line Differential Relays with bay controller display**

<b>MAIN PROTECTION LINE DIFFERENTIAL RELAYS</b>			
<b>ITEM 8.3</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) <b>Oscillography Phaseϕ presentation</b>	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (33kV, 132kV and 275kV) Transmission networks. 50 HZ system.	
12.	AC current and voltage inputs	1/5A; 30V / 110V	

Tenderers signature.....

**Item 8.4 Distance Protection Relay with bay controller display**

<b>DISTANCE PROTECTION RELAYS</b>			
<b>ITEM 8.4</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs / outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) Fault location Oscillography Phaseø presentation	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV, 33kV, 132kV and 275kV) Transmission networks. 50 HZ system.	
12.	AC current and voltage inputs	1/5A; 110V	

Tenderers signature.....

**Item 8.5. Back up protection overcurrent, earth and sensitive relays with arc flash protection with bay controller display**

**BACK UP PROTECTION OVERCURRENT, EARTH AND SENSITIVE RELAYS WITH ARC FLASH PROTECTION**

<b>ITEM 8.5</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	32 V – 110V DC	
6.	Inputs / Outputs	8< inputs / outputs	
7.	Communication	DNP3/ 61850/	
8.	Records	Event list, Disturbance recording, Fault records and Oscillography Phase $\phi$ presentation.	
9.	Mimic Display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV,33kV,132kV and 275kV)	
12.	AC current and voltage input	1A/5A ; 110V	
13.	Arc flash protection inputs	Minimum 4	
14.	Other capabilities	Load profile	

Tenderers signature.....

**Item 8.6 Voltage Regulator Relays with bay controller display**

<b>VOLTAGE REGULATOR RELAYS</b>			
<b>ITEM</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
8.6			
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Operating Voltage, input current	110V DC,	
6.	Inputs / Outputs	8< inputs/outputs	
7.	Communication	DNP3/ 61850/	
8.	Other capabilities	Paralleling mode	
9.	Front display	Single line diagram display	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV, 33kV, 132kV and 275kV) Transmission networks. 50 HZ system. For 10MVA – 315MVA Power transformers	

Tenderers signature.....

**Item 8.7 Transformer Combined Biased Differential, Over Current Earth Fault & Restricted Earth Fault Protection Relay with bay controller display**

**Transformer Combined Biased Differential, Over Current Earth Fault & Restricted Earth Fault Protection Relay with bay controller display**

<b>ITEM 8.7</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs / outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) Oscillography Phaseø presentation	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV, 33kV, 132kV and 275kV) Transmission networks. 50 HZ system. For 20MVA – 315MVA Power transformers	
10	AC current and voltage input	1A/5A ; 110V	

Tenderers signature.....

**Item 8.8 Bus-zone protection relays.**

<b>BUS-ZONE PROTECTION RELAYS</b>			
<b>ITEM 8.8</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) <b>Oscillography Phaseø presentation</b>	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (33kV, 132kV and 275kV) Transmission networks. 50 HZ system.	
	AC current and voltage inputs	1/5A; 30V / 110V	

## SUPPLY AND DELIVERY OF MULTIFUNCTIONAL PROTECTION RELAYS WITHOUT BAY CONTROLLER

### Item 9.1 Arc protection Relays

Arc protection Relays			
ITEM 9.1	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Operating Voltage, input current	32 V – 110V DC,	
6.	Input / Output	8 inputs / outputs ,	
7.	Communication	DNP3/ 61850/	
8.	records	Disturbance recorder and events	
9.	Screen	LCD Display	
10.	Auxiliary Miscellaneous	Arc Flash Sensors, RS485 Port, Ethernet port/ usb	
11.	Application	11 KV panels	
12.	AC current	1/5A	

### Item 9.2 Main protection Feeder Cable Differential Relays

MAIN PROTECTION CABLE DIFFERENTIAL RELAYS			
ITEM 8.2	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	30V – 110V DC	
6.	Inputs / Outputs	8< inputs outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list, Disturbance recording, Fault records and  Oscillography Phaseø presentation	
9.	LCD display	Display of currents and voltages.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV 11kV distribution networks. 50 HZ system.	

12.	AC current and voltage inputs	1/5A; 110V	
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**Item 9.3 Main protection Feeder Line Differential Relays**

<b>MAIN PROTECTION LINE DIFFERENTIAL RELAYS</b>			
<b>ITEM 9.3</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) <b>Oscillography Phaseø presentation</b>	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (33kV, 132kV and 275kV) Transmission networks. 50 HZ system.	
12.	AC current and voltage inputs	1/5A; 30V / 110V	

Tenderers signature.....

**Item 9.4 Distance Protection Relay**

<b>DISTANCE PROTECTION RELAYS</b>			
<b>ITEM 9.4</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs / outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) Fault location Oscillography Phaseø presentation	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV, 33kV, 132kV and 275kV) Transmission networks. 50 HZ system.	
12.	AC current and voltage inputs	1/5A; 110V	

Tenderers signature.....

**Item 9.5. Backup Protection Overcurrent, Earth and Sensitive Relays With Arc Flash Protection.**

<b>BACK UP PROTECTION OVERCURRENT, EARTH AND SENSITIVE RELAYS WITH ARC FLASH PROTECTION</b>			
<b>ITEM 8.5</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	32 V – 110V DC	
6.	Inputs / Outputs	8< inputs / outputs	
7.	Communication	DNP3/ 61850/	
8.	Records	Event list, Disturbance recording, Fault records and Oscillography Phase $\phi$ presentation.	
9.	Mimic Display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV,33kV,132kV and 275kV)	
12.	AC current and voltage input	1A/5A ; 110V	
13.	Arc flash protection inputs	Minimum 4	
14.	Other capabilities	Load profile	

Tenderers signature.....

**Item 9.6 Voltage Regulator Relays**

<b>VOLTAGE REGULATOR RELAYS</b>			
<b>ITEM</b> 9.6	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Operating Voltage, input current	110V DC,	
6.	Inputs / Outputs	8< inputs/outputs	
7.	Communication	DNP3/ 61850/	
8.	Other capabilities	Paralleling mode	
9.	Front display	Single line diagram display	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV, 33kV, 132kV and 275kV) Transmission networks. 50 HZ system. For 10MVA – 315MVA Power transformers	

**Item 9.7 Transformer Combined Biased Differential, Over Current Earth Fault & Restricted Earth Fault Protection Relay.**

<b>Transformer Combined Biased Differential, Over Current Earth Fault &amp; Restricted Earth Fault Protection Relay.</b>			
<b>ITEM 9.7</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs / outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) Oscillography Phaseø presentation	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (11kV, 33kV, 132kV and 275kV) Transmission networks. 50 HZ system. For 20MVA – 315MVA Power transformers	
10	AC current and voltage input	1A/5A ; 110V	

Tenderers signature.....

**Item 9.8 Bus-zone protection relays.**

<b>BUS-ZONE PROTECTION RELAYS</b>			
<b>ITEM 9.8</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	8-64 inputs outputs	
7.	Communication	DNP3 / 61850	
8.	Records	Event list(1000) Disturbance recording (60<...) Fault records (30<...) <b>Oscillography Phaseø presentation</b>	
9.	Bay controller display	Front display for operation and display of devices.	
10.	Auxiliary Miscellaneous	RS485 Port, Ethernet port/ USB	
11.	Application	HV/MV (33kV, 132kV and 275kV) Transmission networks. 50 HZ system.	
	AC current and voltage inputs	1/5A; 30V / 110V	

### Item 9.9 Protection and Control Merging Unit

Protection and Control Merging Unit			
ITEM 9.9	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Manufacturer	XXXXXXXXXXXXXXXXXX	
2.	Relay Name	XXXXXXXXXXXXXXXXXX	
3.	Model Number	XXXXXXXXXXXXXXXXXX	
4.	Country of origin	XXXXXXXXXXXXXXXXXX	
5.	Power supply voltage	48V – 110V DC	
6.	Inputs / Outputs	Twenty-four opt isolated inputs; six high-speed, high-current Interrupting outputs	
7.	Communication	IEC 61850; Digital Relay-to-Relay Communications.	
8.	Records	Sequential Events Recorder Reports Disturbance recording Oscillography Phase presentation	
9.	Bay controller display	Front display for operation and display of devices. Programmable status and trip target, LEDs, as well as programmable direct-action control pushbuttons on the front panel.	
10.	Auxiliary Miscellaneous	RS485 Port; Ethernet port / USB; supports self-monitoring of the Ethernet links.	
11.	Application	HV/MV (33kV, 132kV and 275kV) Transmission networks. 50 HZ system.	
12.	AC current and voltage inputs	1/5A; 110V	

**Item 10.1 to 10.22 Protection and Control accessories**

<b>Item 10.1: 2-Pole MCB + Aux</b>			
<b>No</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Current ratings	2Amp, 6Amp, 10Amp 16Amp,	
3.	Voltage rating and type,	110V DC and 30V DC	
4.	Power Rating	TYPE C 10KA.	
<b>Item 10.2: 2-Pole MCB (DC)</b>			
<b>No</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Current ratings	2Amp, 6Amp	
3.	Voltage rating and type,	110V AC	
4.	Power Rating	TYPE C 10KA.	
<b>Item 10.3: 2-Pole MCB (AC)</b>			
<b>No</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Current ratings	6Amp, 10Amp	
3.	Voltage rating and type,	230V AC	
4.	Power Rating	TYPE C 10KA.	
<b>Item 10.4: 3-Pole MCB</b>			
<b>No</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Current ratings	2Amp, 6Amp	
3.	Voltage rating and type,	110V AC	
4.	Power Rating	TYPE C 10KA.	
<b>Item 10.5: AC, VT, CT &amp; DC Supply Terminals</b>			
<b>No</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	M10/10.RS Spring Loaded Screw Clamp Terminal Blocks - Feed-through – Grey Impulse Withstand Voltage: 6000V	
<b>Item 10.6: CT Circuit Link Terminals</b>			
<b>No</b>	<b>REQUIRED DESCRIPTION</b>	<b>SCHEDULE A</b>	<b>SCHEDULE B</b>

1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	D6/8.ST.RS Spring Loaded Screw Clamp Terminal Blocks. Impulse Withstand Voltage: 6000V	

**Item 10.7: DC Under/Overvoltage control relay**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
3.	Name	STATE	
4.	Supply Voltage	24 to 48V AC/DC or 110 to 240V AC/DC	
5.	Frequency	50/60 Hz	
6.	Timing (delay on threshold crossing)	0.1 to 10 second	
7.	Output	Multiple output contacts	

**Item 10.8: Terminals Rails**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	DIN rail	

**Item 10.9: DC-DC Transducer**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Function	DC Voltage or Current	
3.	Typical Input Values	0-20mA/0-100mV or Bipolar	
4.	Typical Output Values	0-20mA/4-20mA/0-10V or Bipolar	
5.	Auxiliary Voltage Required	24V to 220VDC or 110V to 230VAC	

**Item 10.10: Voltage Selector Switch**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Function	4 to 7 positions	
3.	Category	Selector Switches	
4.	Typical Output	For Three phase systems using VTs or direct connected	

**Item 10.11: Standoff Trip/Close Socket**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Current	16/125A	
3.	Plug Type	Panel Socket	
4.	Connection Type	Multiple pins	

**Item 10.12: Ammeter**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	5A or 1A AC MaxDemandCombMeter+Sat	

**Item 10.13: Voltmeter**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Type	Analog	
3.	Dimensions	96 X 96	
4.	Measurement Range	0 to 400V/11kV/22kV/33kV/132kV/275kV/400kV	

**Item 10.14: Test Blocks**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	Four way test blocks or 13 way test block front mount clear or test block with multi-finger test plug with a CT shorting link	

**Item 10.15: Master Trip Relay**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Type of Relay	Draw Out Type	
3.	Application	High Speed Master Trip Relay	
4.	Type of Contact Reset	Self Reset Type, Hand Reset Type, Electrical Reset, Hand reset+Electrical Reset Type	
5.	No. of Contact	10 contacts (Single Element) & 20 contacts (Two element in series)	

**Item 10.16: Auto-Off-Manual Selector Switch**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Phase	Three Phase	
3.	Voltage	48V/110V/220V/415VACDC	
4.	Description	SP 3 Position double throw cam switch, 10A	

**Item 10.17: Trip Neutral Close (TNC) Switch**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	3 position switch	
3.	Rated Uninterrupted Current	32/40A	

4.	Rated Operational Voltage	690VAC/250VDC	
5.	DC Breaking Capacity	50V/125V/250V	

**Item 10.18: Local Remote (L/R) Switch**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	2 position switch	
3.	Rated Uninterrupted Current	32/20A	
4.	Rated Operational Voltage	690VAC/250VDC	
5.	DC Breaking Capacity	50V/125V/250V	

**Item 10.19: Ethernet/Fiber Communication Switch**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Power Supply	125–250 Vdc; 120–240 Vac, 50/60 Hz or 24–48 Vdc (polarized)	
3.	Communication	Fiber Optics/Ethernet	
4.	Data Rate	10, 100, 1000Mbps	
5.	Communication Protocol	Compatible with DNP3/MODBUS/IEC 60870-5-101/104 or IEC 6150 standard	

**Item 10.20 Auxiliary Relay**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Power Supply	125–250 Vdc; 120–240 Vac, 50/60 Hz or 24–48 Vdc (polarized)	
3.	Description	Coil Voltage with 3 to 4 change over contacts (10A)	
4.	Additional Operational	Mechanical/Manual test button/led indicator	

**Item 10.21: Panel Wires**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Voltage Rating	600/1000V	
3.	Cross Sectional Area, type, and length	1.0 mm, 1.5 mm, 2.5 mm, 4.0 mm copper colour coded or grey wires per 100m	
4.	Additional	PVC Insulated	

**Item 10.22: Panel Blanking Plates**

No	REQUIRED DESCRIPTION	SCHEDULE A	SCHEDULE B
1.	Name	XXXXXXXXXXXXXXXXXX	
2.	Description	540 X 30mm mild steel	
3.	Type of colour	According to switchgear/control panel colour	

## END OF SECTION II

### 15 DELIVERABLES

- ❖ The standard SCM regulation will be applicable where only goods will be delivered following the receipt of an official order.
- ❖ Delivery of goods must be made within 8 weeks after the receipt of an official order.
- ❖ The City of Tshwane reserves the right to:
  - Verify items delivered according to the specification provided,
  - Reject defective items,
  - Reject items that do not meet the provided specification,
  - Reject items not bearing the SABS mark where required.

### 16 STAGES OF EVALUATION

Stage 1: Administrative Compliance

Stage 2: Mandatory Requirements

Stage 3: Functionality Criteria

Stage 4: Preference Point System

#### 16.1 Stage 1 ADMINISTRATIVE COMPLIANCE

All the bids will be evaluated against the administrative responsiveness requirements as set out in the list of returnable documents.

<b>Compulsory Returnable Documentation (Submission of these are compulsory)</b>	<b>Submitted (YES or NO)</b>	<b>Checklist (Guide for Bidder and the Bid Evaluation Committee)</b>
a) To enable The City to verify the bidder's tax compliance status, the bidder must provide; <ul style="list-style-type: none"> <li>• A copy of their Tax Clearance Certificate (TCS); or</li> <li>• Indicate their tax compliance status PIN.</li> </ul>		TCS must be in the same business name as the bidding company.  TCS must be valid.  Tax status must be compliant before the award.
b) A copy of their Central Supplier Database (CSD) registration; or indicate their Master Registration Number / CSD Number;		CSD must be valid. Tax status must be compliant before the award.
c) Confirmation that the bidding company's rates and taxes are up to date: Original or copy of Municipal Account Statement of the Bidder (bidding company) not older than 3 months and account must not be in arrears for more than ninety (90) days; or ,signed lease agreement or In case of bidders located in informal settlement, rural areas or areas where they are not required to pay Rates and Taxes a letter from the local councillor confirming they are operating in that area		Was a Municipal Account Statement or landlord letter provided for the bidding company? The name and / or addresses of the bidder's statement correspond with CIPC document, Address on CSD or Company profile? Are all payment(s) up to date (i.e. not in arrears for more than 90 days)?
d) In addition to the above, confirmation that all the bidding company's owners / members / directors / major shareholders rates and taxes are up to date: <ul style="list-style-type: none"> <li>• Original or copy of Municipal Account Statement of all the South African based owners / members / directors / major shareholders not older than 3 months and the account/s may not be in arrears for more than ninety</li> </ul>		Was a Municipal Account Statement or landlord letter provided for the bidding company? The name and / or addresses of the bidder's statement correspond with CIPC document, Address on CSD or Company profile? Are all payment(s) up to

<b>Compulsory Returnable Documentation (Submission of these are compulsory)</b>	<b>Submitted (YES or NO)</b>	<b>Checklist (Guide for Bidder and the Bid Evaluation Committee)</b>
(90) days; or a signed lease agreement of owners / members / directors / major shareholders or In case of bidders located in informal settlement, rural areas or areas where they are not required to pay Rates and Taxes a letter from the local councillor confirming they are residing in that area		date (i.e. not in arrears for more than 90 days?
e) Duly Signed and completed MBD forms (MBD 1, 4, 8 and 9) The person signing the bid documentation must be authorized to sign on behalf of the bidder. Where the signatory is not a Director / Member / Owner / Shareholder of the company, an official letter of authorization or delegation of authority should be submitted with the bid document.  <b>NB: Bidders must ensure that the directors, trustees, managers, principal shareholders, or stakeholders of this company, declare any interest in any other related companies or business, whether or not they are bidding for this contract. <u>See Question 3.14 of MBD 4. Failure to declare interest will result in a disqualification</u></b>		All documents fully completed (i.e. no blank spaces)? All documents fully signed? Signature authorized (any director / member / trustee as indicated on the CIPC document, alternatively a delegation of authority would be required? Documents completed in black ink (i.e. no "Tippex" corrections, no pencil, no other color ink, or <b>non-submission of the above</b> , will be considered)?
f) Financial Statements for the most recent three (3) years or financial statements from date of existence for companies less than three years old. <b>NB: The bidder must submit signed audited annual financial statements for the most recent three years, or if established for a shorter period, submit</b>	N/A	Applicable for tenders above R10m in conjunction with MBD 5)  Are Audited financial statements provided (Audited financials must be signed by auditor)? Or

<b>Compulsory Returnable Documentation (Submission of these are compulsory)</b>	<b>Submitted (YES or NO)</b>	<b>Checklist (Guide for Bidder and the Bid Evaluation Committee)</b>
<p>audited annual financial statements from date of establishment.</p> <p>If the bidder is not required by law to prepare signed annual financial statements for auditing purposes, then the bidder must submit proof that the bidder is not required by law to prepare audited financial statements.</p>		<p>proof that the bidder is not required by law to prepare audited financial statements.</p>
<p>g) Joint Ventures (JV) – (Only applicable when the bidder tenders as a joint venture) Where the bidder bids as a joint venture (JV), the required or relevant documents as per (a) to (f) above must be provided for all JV parties. In addition to the above the bidder must submit a Joint Venture (JV) agreement signed by the relevant parties.</p> <p><b>NB:</b> It is a condition of this bid that the successful bidder will continue with the same Joint Venture (JV) for the duration of the contract unless prior approval is obtained from the City.</p>		<p>If applicable. JV agreement provided? JV agreement complete and relevant?</p> <p>Agreement signed by all parties? All required documents as per (i.e. a to f) must be provided for all partners of the JV.</p>
<p>h) Bidder attended a compulsory briefing session where applicable</p>		<p>A compulsory briefing register must be signed by the bidder.</p> <p><b>Bidders will be disqualified should they fail to attend compulsory briefing session</b></p>
<p>i) Pricing schedule (All items must be quoted for in pricing schedule and if not, all items are quoted the bidder will be disqualified). Unless the tender is awarded per item or per section where</p>		<p>Incomplete pricing schedule results in totals being incomparable.</p>

<b>Compulsory Returnable Documentation (Submission of these are compulsory)</b>	<b>Submitted (YES or NO)</b>	<b>Checklist (Guide for Bidder and the Bid Evaluation Committee)</b>
<p>the bidder only quoted the items or sections, they are interested in.</p>		<p>Bidder must be disqualified.</p> <p><b>Bidder will be disqualified should they make corrections on the price schedule without attaching a signature thereto.</b></p> <p><b>Bidder will be disqualified should they use tippex/ correction ink, on the price schedule.</b></p>

## **16.2 Stage 2 MANDATORY REQUIREMENTS**

### **16.2.1 Section 1 Technical Audit Works (275/132/33/11kV)**

- a) Contractors must submit certified copies of Qualifications and CV's of the following key staff.
  - 1. Project Manager: ECSA Professionally Registered Electrical Engineer or ECSA Professionally Registered Electrical Technologist.
  - 2. Test/Commissioning Technician (National Diploma or higher: Electrical Engineering plus CV) 2 years' experience.
  - 3. Occupational Health and Safety Officer (National Diploma or higher in electrical plus Safety officer Certificate) Registered with SACPCMP.
  - 4. Artisan: Trade test to be attached (Electrical)

### **16.2.2 Section 2 Supply, Decommission, Installation, Design and Commissioning of obsolete (IED) multifunctional relays.**

- a) Contractors must submit certified copies of Qualifications and CV's of the following key staff.
  - 1. Project Manager: ECSA Professionally Registered Electrical Engineer or ECSA Professionally Registered Electrical Technologist.
  - 2. Test/Commissioning Technician (National Diploma or higher: Electrical Engineering plus CV) 2 years' experience.
  - 3. Occupational Health and Safety Officer (National Diploma or higher in electrical plus Safety officer Certificate) Registered with SACPCMP.
  - 4. Artisan: Trade test to be attached (Electrical)
  
- b) Full completion of schedule A and B is compulsory.

Failure to submit any of the documents shall disqualify the contractor from further evaluation.

## 16.1 Stage 3 FUNCTIONALITY CRITERIA

### SECTION I: TECHNICAL AUDIT WORKS (275/132/33/11kV)

	CRITERIA	SUB-CRITERIA	SCALE	WEIGHT	HIGH POSSIBLE SCORE
1	Number of protection audits of medium and high voltage networks contracts successfully completed. Attach Appointment letter/s and or Work Completion Letter/s with the letter head of the client.	0 letter 1 letter 2-4 letters 5 + letters	0 1 3 5	8	40
2	<b>Experience of key staff:</b> <b>General Experience and qualifications</b> Key Staff's experience that is relevant to the scope of work (Submit CVs, certified copies of qualifications, ECSA ( <b>Engineering Council of South Africa</b> ) professional registration and relevant certificate) Key Staff as Indicated Below:				
2.1	Project Manager: ECSA Professionally Registered Electrical Engineer or ECSA Professionally Registered Technologist.	<b>(Years of experience)</b> 3 years Above 3-6 years Above 6 years	1 3 5	5	25
2.2	Commissioning Technician (National Diploma or higher: Electrical Engineering.	<b>(Years of experience)</b> 2-3 years Above 3-6 years	1 3	5	15
2.3	Electrician with trade test.	<b>(Years of experience after obtaining trade test)</b> 3-4 years Above 4 years	1 2	5	10
3	Health and Safety Officer as per Occupational Health and Safety Act, 1993 (Act 85 of 1993) (National Diploma or higher in Electrical Engineering plus Safety Officer Certificate) Registered with SACPCMP	Above 3 years	1 2	5	10
HIGHEST POSSIBLE SCORE					100

## SECTION II: REPLACEMENT OF OBSOLETE IEDS (RELAYS)

	CRITERIA	SUB-CRITERIA	SCALE	WEIGHT	HIGH POSSIBLE SCORE
1	Number of protection installation and commissioning of medium and high voltage networks contracts successfully completed. Attach Appointment letter/s and or Work Completion Letter/s with the letter head of the client.	0 letter 1 letter 2-3 letters 4 + letters	0 1 3 5	8	40
2	<b>Experience of key staff:</b> <b>General Experience and qualifications</b> Key Staff's experience that is relevant to the scope of work (Submit CVs, certified copies of qualifications, ECSA ( <b>Engineering Council of South Africa</b> ) professional registration and relevant certificate) Key Staff as Indicated Below:				
2.1	Project Manager ECSA Professionally Registered Electrical Engineer or ECSA Professionally Registered Technologist.	<b>(Years of experience)</b> 3 years 3-6 years Above 6	1 3 5	5	25
2.2	Commissioning Technician (N Dip or higher: Electrical Engineering.	<b>(Years of experience)</b> 2-3 years 3-6 years	1 3	5	15
2.3	Electrician with trade test.	<b>(Years of experience after obtaining trade test)</b> 2-4 years Above 4 years	1 2	5	10
3	Health and Safety Officer as per Occupational Health and Safety Act, 1993 (Act 85 of 1993) (National Diploma or higher in Electrical Engineering plus Safety Officer Certificate) Registered with SACPCMP	Above 1 years	1 2	5	10
	HIGHEST POSSIBLE SCORE				100

**Bids that do not achieve a minimum score of 70 (out of 100) for functionality will not be evaluated further.**

## 16.2 Stage 4: PREFERENTIAL POINTS SYSTEM

### SPECIFIC GOALS

The preferential point system used will be the 90/10 points system in terms of the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000) Regulations 2022.

- 90 points for price
  - 10 points for Specific goals
- Bidders are required to submit supporting documents for their bids to claim the specific goal points.
  - Non-compliance with specific goals will not lead to disqualification but bidders will not be allocated specific goal points. Bidders will score points out of 90 for price only and zero (0) points out of 10 for specific goals.
  - Cot shall act against any bidder or person when it detects that the specific goals were claimed or obtained on a fraudulent basis.

The specific goal for this bid is outlined below.

Specific goals	90/10 preference point system	Proof of specific goals to be submitted
BB-BEE score of companies <ul style="list-style-type: none"> <li>• Level 1</li> <li>• Level 2</li> <li>• Level 3</li> <li>• Level 4</li> <li>• Level 5</li> <li>• Level 6</li> <li>• Level 7</li> <li>• Level 8</li> <li>• Non-compliant</li> </ul>	<ul style="list-style-type: none"> <li>• 4 Points</li> <li>• 3.5 Points</li> <li>• 3 Points</li> <li>• 2.5 Points</li> <li>• 2 Points</li> <li>• 1.5 Points</li> <li>• 1 Point</li> <li>• 0.5 Points</li> <li>0 Points</li> </ul>	Valid Certified copy of BBEE certificate. Sworn Affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBEE certificate.
EME and/ or QSE	1 Point	Valid Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBEE certificate
At least 51% of Women-owned companies	1 Point	Certified copy of Identity Document/s <b>and</b> proof of ownership (Sworn affidavit for B-BBEE qualifying small

Specific goals	90/10 preference point system	Proof of specific goals to be submitted
		enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership)
At least 51% owned companies by People with disability	1 Point	Medical Certificate with doctor's details (Practice Number, Physical Address, and contact numbers) and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership)
At least 51% owned companies by Youth	1 Point	Certified copy of Identity Document/s <b>and</b> proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership)
Local Economic Participation <ul style="list-style-type: none"> <li>• City of Tshwane</li> <li>• Gauteng</li> <li>• National</li> </ul>	2 Points  1 Point  1 Point	Municipal Account statement/Lease agreement.

For points to be allocated as per above the tenderers will be required to submit proof of documentation as evidence for claims made. Any tenderer that does not submit evidence as stated in the bid document to claim applicable points will be allocated zero points

## 17 VALIDITY PERIOD

The validity period for the tender after closure is 90 days. CoT shall have right and power to extent any tender validity period beyond any initial validity period set and subsequent extensions. SCM shall ensure that an extension of validity is requested in writing from all bidders before the validity expiry date. Extension of validity shall be finalized while the quotations/bids are still valid

## 18 PRICING SCHEDULE

### 18.1 PRICING INSTRUCTIONS

This section provides the bidder with guidelines and requirements with regard to the completion of the Price Schedule. The Schedule has to be completed in ink and the bidder is referred to the Tender Specifications in regard to the correction of errors.

18.1.1 The Price Schedule shall be read with all the documents which form part of this Contract.

18.1.2 The following words shall have the meanings hereby assigned to them:

Unit: The unit of measurement for each item of work in terms of the Specifications and the Project Specifications.

Quantity: The number of units of work for each item.

Rate: The payment per unit of work at which the tenderer tenders to do the work.

Amount: The product of the quantity and the rate tendered for an item.

### 18.2 Units of Measurements

The units of measurement are as per the specification above or as captured in the schedule of rate.

### 18.3 Rates

This price list has columns for price per bay for the services. Entries in these columns are made as follows:

18.3.1 The amount payable to the service provider is the product of the rate tendered and quantity of the service provided.

18.3.2 The tenderer shall tender for Normal Hours. The After-hours, Saturdays, Sundays and Public holidays will be paid as follows as and when required:

- Overtime and Saturdays = Normal hours unit rate x 1.5
- Sunday and Public Holidays = Normal hours unit rate x 2
- Shift allowance or compensation shall not apply to this contract except to the employees of the contractor for which the contractor shall be fully liable.

**NOTE:** Only work instruction issued by employer after the employer's normal working hours or on a Saturday will be considered for payment at one and half or double time. Work issued

during normal working hours and that can be completed during normal working hours either the same day or the consecutive day(s) shall not be included for payment.”

***CORRECTION OF ENTRIES MADE BY BIDDER***

*Any entry made by the Tenderer in the Price Schedule, forms, etc, which the tenderer desires to change, shall not be erased or painted out. A line shall be drawn through the incorrect entry and the correct entry shall be written above in black ink and the full signature of the Tenderer shall be placed next to the correction.*

## 19 PRICE SCHEDULE

**TABLE OF RATES:** Quantities that are provided in SECTION I price schedule are only an estimate for evaluation purpose.

### 19.1 SECTION I: TECHNICAL AUDIT WORKS (275/132/33/11kV)

1	INJECTION TESTS – NORMAL HOURS (NH)				
ITEM NO	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
1.1.	Transformer Primary Testing	Per Bay	30		
1.2.	Transformer Functional Trip Testing	Per Bay	30		
1.3.	Protection Stability Testing Including NEC	Per Bay	30		
1.4.	Transformer Protection/Relay Test (Secondary Injection)	Per Bay	30		
1.5.	Circuit Breaker Testing (275/132/33kV)	Per Bay	50		
1.6.	Current Transformer Testing (275/132/33/33kv)	Per Bay	100		
1.7.	Voltage Transformer Test (275/132/33kV)	Per Bay	20		
1.8.	Transformer Oil Sample Testing	Per Bay	20		
1.9.	Secondary/Relay Injection and Functional Trip Test On 11kV Bays	Per Bay	50		
1.10.	Current transformers (11kV)	Per Bay	100		
1.11.	Voltage transformers (11kV)	Per Bay	40		
1.12.	Circuit Breaker testing (11kV)	Per Bay	100		
1.13.	Busbar Protection Scheme 11kV	Per Scheme	10		

<b>2 EARTHING TESTS: SUBSTATION EARTH MAT RESISTANCE &amp; BONDING MEASUREMENTS - NORMAL HOURS (NH)</b>					
<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
2.1.	Primary Secondary	Per Substation /Yard	10		
2.2.	Secondary Substation	Per Substation /Yard	10		
<b>DC SUPPLY</b>					
2.3.	Battery Chargers	Per Unit	20		

<b>3 DRAWINGS: RING OUT &amp; TRACE OF AC &amp; DC WIRING TO GENERATE A3 DRAWINGS - NORMAL HOURS (NH)</b>					
<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
3.1.	Transformer Bay - HV & LV Sides (275/132/33/11 kV)	Per Bay	30		
3.2.	Line Bay (275/132/33kV)	Per Bay	30		
3.3.	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
3.4.	11kV Bay	Per Bay	30		
<b>REDRAW OF EXISTING DRAWINGS &amp; GENERATE A3 COPIES - NORMAL HOURS (NH)</b>					
<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
3.5.	Transformer Bay - HV & LV Sides (275/132/33/11kV)	Per Bay	30		
3.6.	Line Bay (275/132/33kV)	Per Bay	30		

3.7.	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
3.8.	11kV Bay	Per Bay			

**CREATE SOFT COPIES OF EXISTING DRAWINGS & GENERATE A3 COPIES - NORMAL HOURS (NH)**

ITEM NO	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
3.9.	Transformer Bay - HV & LV Sides (275/132/33/11 kV)	Per Bay	30		
3.10.	Line Bay (275/132/33kV)	Per Bay	30		
3.11.	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
3.12.	11kV Bay	Per Bay	30		

**UPDATE OF EXISTING DRAWINGS & GENERATE A3 COPIES - NORMAL HOURS (NH)**

ITEM NO	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
3.13.	Transformer Bay - HV & LV Sides (275/132/33/11kV)	Per Bay	30		
3.14.	Line Bay (275/132/33kV)	Per Bay	30		
3.15.	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
3.16.	11kV Bay	Per Bay	30		

**TRACE & UPDATE OF EXISTING DRAWINGS & GENERATE A3 COPIES - NORMAL HOURS (NH)**

ITEM	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
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<b>3.17.</b>	Transformer Bay - HV & LV Sides (275/132/33/11kV)	Per Bay	30		
<b>3.18.</b>	Line Bay (275/132/33kV)	Per Bay	30		
<b>3.19.</b>	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
<b>3.20.</b>	11kV Bay	Per Bay	30		

**ADD-ONTO EXISTING DRAWINGS & GENERATE A3 COPIES - NORMAL HOURS (NH)**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
<b>3.21.</b>	Transformer Bay - HV & LV Sides (275/132/33/11 kV)	Per Bay	30		
<b>3.22.</b>	Line Bay (275/132/33kV)	Per Bay	30		
<b>3.23.</b>	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
<b>3.24.</b>	11kV Bay	Per Bay	30		

**PRINT OR RE-PRINT OF DRAWINGS IN A3 FORMAT - NORMAL HOURS (NH)**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
<b>3.25.</b>	Transformer Bay - HV & LV Sides (275/132/33/11kV)	Per Bay	30		
<b>3.26.</b>	Line Bay (275/132/33kV)	Per Bay	30		
<b>3.27.</b>	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
<b>3.28.</b>	11kV Bay	Per Bay	30		

<b>PRINT OR RE-PRINT OF DRAWINGS IN A3 FORMAT - NORMAL HOURS (NH)</b>					
<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
3.29.	Transformer Bay - HV & LV Sides (275/132/33/11kV)	Per Bay	30		
3.30.	Line Bay (275/132/33kV)	Per Bay	30		
3.31.	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	30		
3.32.	11kV Bay	Per Bay	30		

<b>4 BASIC PROTECTION TO COVER FOLLOWING MINIMUM TOPICS: - NORMAL HOURS (NH)</b>					
<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
4.1.	Basic protection course	Per module	30		
4.2.	Cable Fault Location Course	Per module	30		
<b>ADVANCED PROTECTION TO COVER FOLLOWING MINIMUM TOPICS: - NORMAL HOURS (NH)</b>					
4.3.	Mini amp protection course	Per module	20		
4.4.	Digsilent protection course	Per module	20		
4.5.	61850 communication protocol course	Per module	20		

ITEM NO	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
<b>5</b>	<b>COMPLIANCE TO OCCUPATIONAL HEALTH AND SAFETY REGULATIONS</b>				
5.1.	Provision of OHS file	Each	2		
5.2.	Occupational Health and Safety Officer (as and when required)	Per day	4		
	Occupational Health and Safety training				
5.3.	First Aid Training (per Person)	each	4		
5.4.	OHS representative Training (per person)	each	4		
5.5.	Provision of personal protective clothing and equipment (per person)	each	4		
5.6.	SUB-TOTAL FOR COMPLIANCE TO OCCUPATIONAL HEALTH AND SAFETY REGULATIONS, CARRY FORWARD TO SUMMARY.	each	1		

**SECTION I: Total Offer Price from Item 1.1 to Item 5.6 in words excluding VAT**

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**SECTION I: Total Offer Price from Item 1.1 to Item 5.6 in words including VAT**

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**SECTION II: SUPPLY, DECOMMISSION, INSTALLATION, DESIGN AND COMMISSIONING OF OBSOLETE (IEDS) MULTIFUNCTIONAL RELAYS.**

**TABLE OF RATES:** Quantities that are provided in SECTION II price schedule are only an estimate for evaluation purpose.

**DESIGN AND CONFIGURATION.**

ITEM NO	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
<b>6.</b>	<b>Replacement/Installation Of Obsolete IEDS (Multifunctional Protection Relays) – Normal hours</b>				
<b>6.1.</b>	Transformer Bay - HV & LV Sides (275/132/33/)	Per Bay	20		
<b>6.2.</b>	Line Bay (275/132/33kV)	Per Bay	20		
<b>6.3.</b>	Bus Coupler or Bus Section Bay (275/132/33kV)	Per Bay	10		
<b>6.4.</b>	11kV Bay	Per Bay	30		

**INSTALLATION AND COMMISSIONING OF PROTECTION RELAY.**

ITEM NO	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
<b>7.</b>	<b>Replacement/Installation Of Obsolete IEDS (Multifunctional Protection Relays) – Normal hours</b>				
<b>7.1.</b>	Arc protection Relays	each	50		
<b>7.2.</b>	Main protection Feeder Cable Differential Relays	each	50		
<b>7.3.</b>	Main protection Feeder Line Differential Relays	each	50		

<b>7.4.</b>	Distance Protection Relay	each	50		
<b>7.5.</b>	Back up Feeder Protection Overcurrent and earth fault with Sensitive earth fault Relays	each	50		
<b>7.6.</b>	Voltage Regulator Relays	each	50		
<b>7.7.</b>	Transformer Combined Biased Differential, Over Current Earth Fault & Restricted Earth Fault Protection Relay	each	50		
<b>7.8.</b>	Buszone protection	each	50		

#### **SUPPLY AND DELIVERY OF MULTIFUNCTIONAL BAY CONTROL PROTECTION RELAYS**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
<b>8.</b>	<b>Supply and delivery of Obsolete IEDS (Multifunctional Protection Relays with bay controller)</b>				
<b>8.1.</b>	Arc protection Relays with bay controller display	each	20		
<b>8.2.</b>	Main protection Feeder Cable Differential Relays	each	20		
<b>8.3.</b>	Main protection Feeder Line Differential Relays.	each	20		
<b>8.4.</b>	Distance Protection Relay	each	20		
<b>8.5.</b>	Back up Feeder Protection Overcurrent and earth fault with Sensitive earth fault Relays	each	20		
<b>8.6.</b>	Transformer Combined Biased Differential, Over Current Earth	each	20		

	Fault & Restricted Earth Fault Protection Relay				
<b>8.7.</b>	Buszone protection	each	20		

**SUPPLY AND DELIVERY OF MULTIFUNCTIONAL PROTECTION RELAYS WITHOUT BAY CONTROLLER**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
<b>9.</b>	<b>Supply and delivery of Obsolete IEDS (Multifunctional Protection Relays without bay controller)</b>				
<b>9.1.</b>	Arc protection Relays	each	50		
<b>9.2.</b>	Main protection Feeder Cable Differential Relays	each	50		
<b>9.3.</b>	Main protection Feeder Line Differential Relays	each	30		
<b>9.4.</b>	Distance Protection Relay	each	20		
<b>9.5.</b>	Back up Feeder Protection Overcurrent and earth fault with Sensitive earth fault Relays	each	100		
<b>9.6.</b>	Voltage Regulator Relays	each	40		
<b>9.7.</b>	Transformer Combined Biased Differential, Over Current Earth Fault & Restricted Earth Fault Protection Relay	each	20		
<b>9.8.</b>	Buszone protection	each	10		

**PROTECTION AND CONTROL ACCESSORIES**

ITEM NO	DESCRIPTION	Unit of Measure	ESTIMATED QUANTITY	RATE PER UNIT (excluding VAT)	TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)
<b>10.</b>	<b>Supply and delivery Protection and Control Accessories.</b>				
10.1.	2-Pole MCB + Aux	each	100		
10.2.	2-Pole MCB (DC)	each	100		
10.3.	2-Pole MCB (AC)	each	100		
10.4.	3-Pole MCB	each	100		
10.5.	AC, VT, CT & DC Supply Terminals	each	100		
10.6.	CT Circuit Link Terminals	each	100		
10.7.	DC Under/Overvoltage control relay	each	100		
10.8.	Terminals Rails	each	200		
10.9.	DC-DC Transducer	each	50		
10.10.	Voltage Selector Switch	each	50		
10.11.	Standoff Trip/Close Socket	each	50		
10.12.	Ammeter	each	200		
10.13.	Voltmeter	each	200		
10.14.	Test Blocks	each	100		
10.15.	Master Trip Relay	each	30		
10.16.	Auto-Off-Manual Selector Switch	each	20		
10.17.	Trip Neutral Close (TNC) Switch	each	200		
10.18.	Local Remote (L/R) Switch	each	200		
10.19.	Ethernet/Fiber Communication Switch	each	10		

<b>10.20.</b>	Auxiliary Relay	each	100		
<b>10.21.</b>	Panel Wires	each	200		
<b>10.22.</b>	Panel Blanking Plates	each	200		

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>Unit of Measure</b>	<b>ESTIMATED QUANTITY</b>	<b>RATE PER UNIT (excluding VAT)</b>	<b>TOTAL RATE FOR ESTIMATED QUANTITY (excluding VAT)</b>
<b>11.</b>	<b>COMPLIANCE TO OCCUPATIONAL HEALTH AND SAFETY REGULATIONS</b>				
<b>11.1.</b>	Provision of OHS file	Each	2		
<b>11.2.</b>	Occupational Health and Safety Officer (part time)	Per day	2		
	Occupational Health and Safety training				
<b>11.3.</b>	First Aid Training (per Person)	each	2		
<b>11.4.</b>	OHS representative Training (per person)	each	2		
<b>11.5.</b>	Provision of personal protective clothing and equipment (per person)	each	4		
<b>11.6.</b>	SUB-TOTAL FOR COMPLIANCE TO OCCUPATIONAL HEALTH AND SAFETY REGULATIONS, CARRY FORWARD TO SUMMARY.	each	1		

**SECTION II: Total Offer Price from Item 6.1 to Item 11.6 in words excluding VAT**

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**SECTION II: Total Offer Price from Item 6.1 to Item 11.6 in words including VAT**

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## 19 MARKET ANALYSIS

The city of Tshwane reserves the right to conduct market analysis. Should the city exercise this option, where a tenderer offers a price that is deemed not to be viable to supply goods or services as required, written confirmation will be made with the tenderer if they will be able to deliver on the price, if a tenderer confirm that they cannot, the tenderer will be disqualified on the basis of being non-responsive. If they confirm that they can deliver, a contract to mitigate the risk of non-performance will be entered into with the service provider. Further action on failures by the supplier to deliver will be handled in terms of the contract including performance warnings and listing on the database of restricted suppliers.

The city further reserves the right to negotiate a market related price with a tenderer scoring the highest points. If the tenderer does not agree to a market-related price, the city reserves the right to negotiate a market-related price with the tenderer scoring the second highest points, if the tenderer scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the tenderer scoring the third highest points. If a market-related price is not agreed, the city reserves the right to cancel the tender.

## 20 . AWARD

This tender will be awarded per section.

The city reserves the rights to appoint more than one service provider per section. The Service Provider appointed in SECTION I will not be appointed in SECTION II or vice versa. Tenderers must indicate which section is their first preference so that they can be appointed in that particular section in case they are successful in both sections. Tenders must indicate their preferences by choosing first or second preference per section with X.

SECTION	DESCRIPTION	PREFERENCES	X
SECTION I:	TECHNICAL AUDIT WORKS (275/132/33/11kV)	FIRST	
		SECOND	
SECTION II:	SUPPLY, DECOMMISSION, INSTALLATION, DESIGN AND COMMISSIONING OF OBSOLETE (IEDS) MULTIFUNCTIONAL RELAYS.	FIRST	
		SECOND	

The Service Providers appointed in SECTION I will have the responsibility to audit the substations and identify the defects in various protection panels and obsolete protection relays, the same Service Provider cannot be responsible for SECTION II replacement/installation of obsolete relays. The City of Tshwane will apply the preferential procurement framework regulations when evaluating the tender and awarding.

**Note: Work will be distributed equally according to the number of appointed service providers per section.**

**PART A  
INVITATION TO BID**

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE CITY OF TSHWANE MUNICIPALITY</b>					
BID NUMBER:	EED 34-2023/24	CLOSING DATE:	07 August 2024	CLOSING TIME:	10:00
DESCRIPTION	TENDER FOR TECHNICAL AUDIT WORK AND SUPPLY, INSTALL AND COMMISSION OF RELAYS ON TSHWANE'S TRANSMISSION AND DISTRIBUTION ELECTRICAL NETWORK AS AND WHEN REQUIRED OVER A 3-YEAR PERIOD.				
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).</b>					

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)

<b>Tshwane House</b>					
<b>Supply Chain Management</b>					
<b>320 Madiba Street</b>					
<b>Pretoria CBD</b>					
<b>0002</b>					
<b>SUPPLIER INFORMATION</b>					
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:	
B-BBEE STATUS LEVEL	<input type="checkbox"/> Yes		B-BBEE STATUS LEVEL	<input type="checkbox"/> Yes <input type="checkbox"/> No	

VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> No	SWORN AFFIDAVIT	
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>			
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3 ]
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE	R
SIGNATURE OF BIDDER	.....	DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED			
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:</b>		<b>TECHNICAL INFORMATION MAY BE DIRECTED TO:</b>	
DEPARTMENT	Supply Chain Management	CONTACT PERSON	Nqaba A. Mehlo
CONTACT PERSON	Mulondi Rasekgala	TELEPHONE NUMBER	012 358 3026
TELEPHONE NUMBER	012 358 6636	FACSIMILE NUMBER	n/a
FACSIMILE NUMBER	n/a	EMAIL ADDRESS	nqabam@tshwane.gov.za
EMAIL ADDRESS	mulondin@tshwane.gov.za		

**PART B  
TERMS AND CONDITIONS FOR BIDDING**

<b>1. BID SUBMISSION</b>	
1.1	BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2	<b>ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR ONLINE</b>
1.3	THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

**2. TAX COMPLIANCE REQUIREMENTS**

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
- 2.5 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.6 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.7 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

**3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS**

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

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

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

SIGNATURE OF BIDDER: .....

CAPACITY UNDER WHICH THIS BID IS SIGNED: .....

DATE: .....

**PRICING SCHEDULE: FIRM PRICES (PURCHASES)**

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

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

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

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

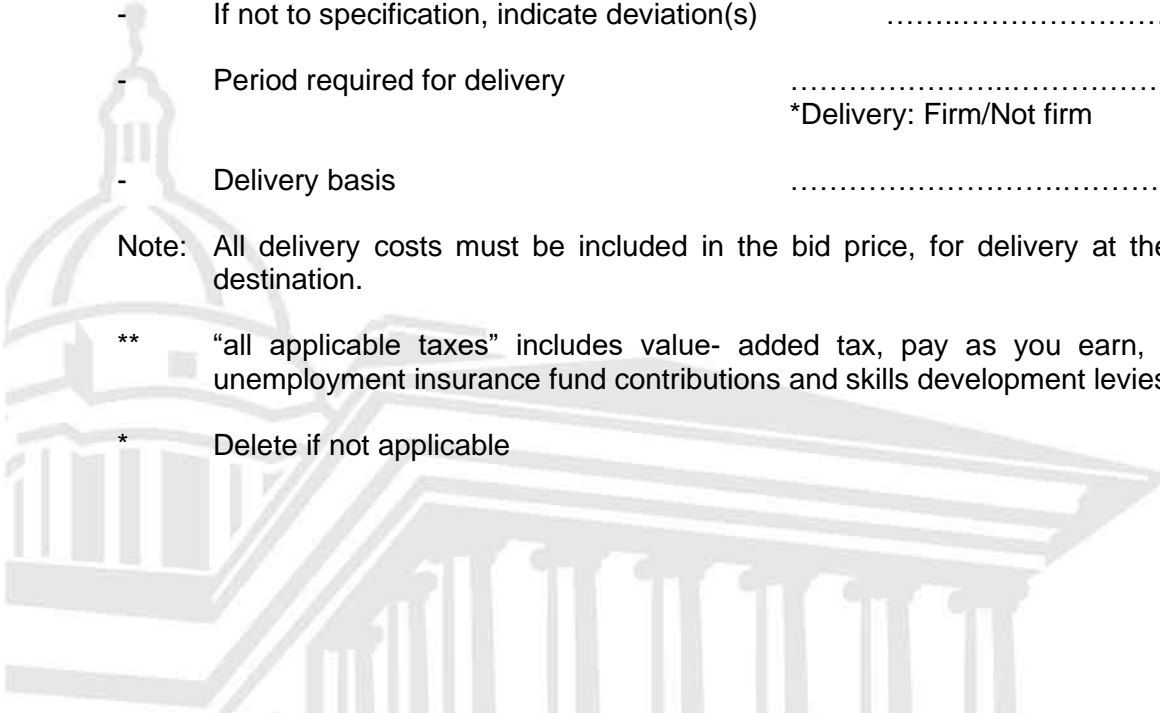
ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
----------	----------	-------------	--

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

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

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

\* Delete if not applicable



**PRICING SCHEDULE: NON-FIRM PRICES (PURCHASES)**

**NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.**

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

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

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

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

- Required by: .....
  - At: .....
  - Brand and model .....
  - Country of origin .....
  - Does the offer comply with the specification(s)? \*YES/NO
  - If not to specification, indicate deviation(s) .....
  - Period required for delivery .....
  - Delivery: \*Firm/Not firm
- \*\* "all applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.
- \* Delete if not applicable

**PRICE ADJUSTMENTS**

**A. NON-FIRM PRICES SUBJECT TO ESCALATION**

1. IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES
2. IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1 - V)Pt \left( D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{R4t}{R4o} \right) + VPt$$

Where:

- Pa = The new escalated price to be calculated.
- (1-V) Pt = 85% of the original bid price. **Note that Pt must always be the original bid price and not an escalated price.**
- D1, D2.. = Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1,D2...etc. must add up to 100%.
- R1t, R2t..... = Index figure obtained from new index (depends on the number of factors used).
- R1o, R2o = Index figure at time of bidding.
- VPt = 15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

3. The following index/indices must be used to calculate your bid price:

Index..... Dated.....      Index..... Dated.....      Index..... Dated.....  
 Index..... Dated.....      Index..... Dated.....      Index..... Dated.....

4. FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	PERCENTAGE OF BID PRICE


**B. PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS**

1. Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

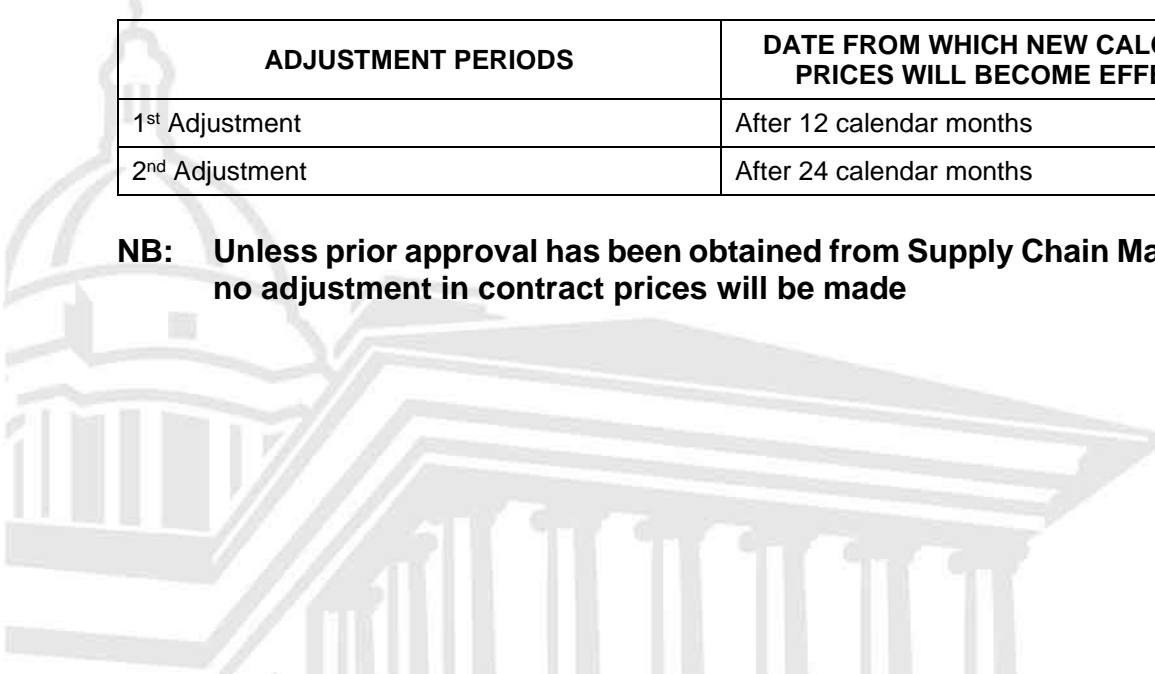
PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

2. Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE

ADJUSTMENT PERIODS	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE
1 <sup>st</sup> Adjustment	After 12 calendar months
2 <sup>nd</sup> Adjustment	After 24 calendar months

**NB: Unless prior approval has been obtained from Supply Chain Management, no adjustment in contract prices will be made**



**DECLARATION OF INTEREST**

1. No bid will be accepted from persons in the service of the state<sup>1</sup>.
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, hareholder<sup>2</sup>) .....
  - 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. ....  
.....

<sup>1</sup> MSCM Regulations: “in the service of the state” means to be –

- (a) a member of –
  - (i) any municipal council;
  - (ii) any provincial legislature; or
  - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) an employee of Parliament or a provincial legislature.

<sup>2</sup> 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, principle 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, principle 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**



**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? **\*YES / NO**

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

.....  
.....

2 Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days? **\*YES / NO**

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

2.2 If yes, provide particulars.

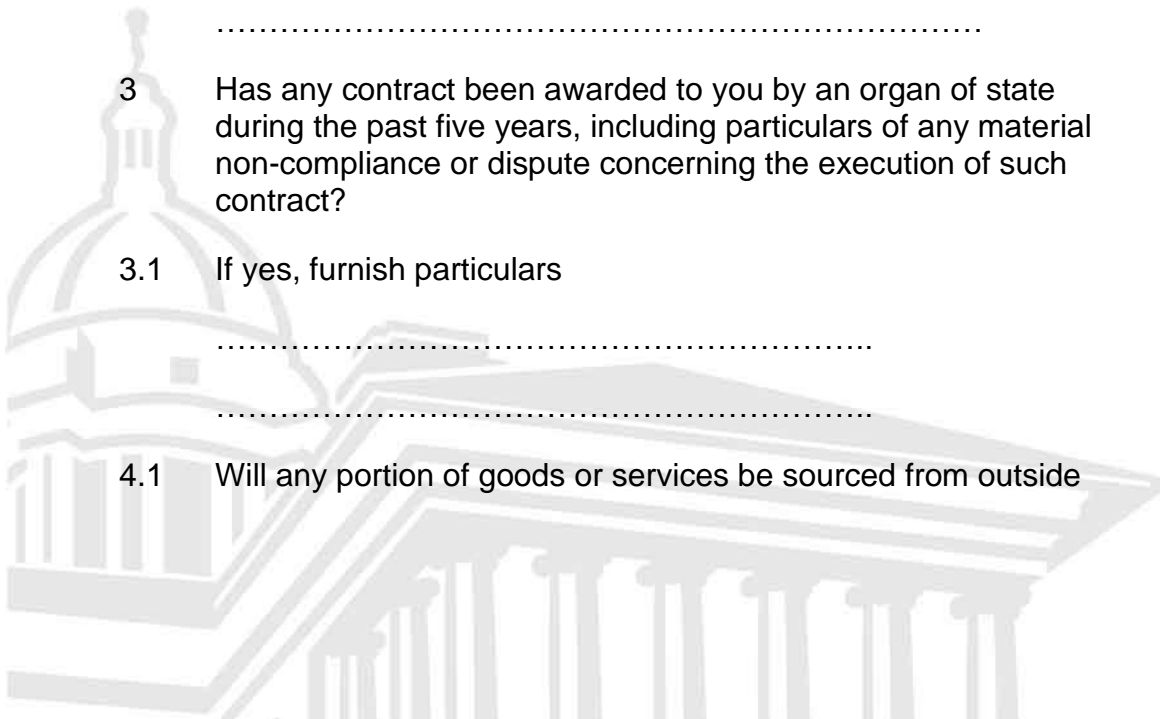
.....  
.....  
.....  
.....

3 Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract? **\*YES / NO**

3.1 If yes, furnish particulars

.....  
.....

4.1 Will any portion of goods or services be sourced from outside **\*YES / NO**



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?

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 Bidder

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

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

**NB: BEFORE COMPLETING THIS FORM, TENDERERS 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**

*(delete whichever is not applicable for this tender).*

- a) The applicable preference point system for this tender is the 90/10 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
<b>PRICE</b>	90
<b>SPECIFIC GOALS</b>	10
<b>TOTAL POINTS FOR PRICE AND SPECIFIC GOALS</b>	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:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \mathbf{Ps} = \mathbf{80} \left( \mathbf{1} - \frac{\mathbf{Pt} - \mathbf{P min}}{\mathbf{P min}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left( \mathbf{1} - \frac{\mathbf{Pt} - \mathbf{P min}}{\mathbf{P min}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = 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:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \mathbf{Ps} = \mathbf{80} \left( \mathbf{1} + \frac{\mathbf{Pt} - \mathbf{P max}}{\mathbf{P max}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left( \mathbf{1} + \frac{\mathbf{Pt} - \mathbf{P max}}{\mathbf{P max}} \right) \end{array}$$

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.)***

Specific goals	90/10 preference point system	Number of points claimed (90/10 system) (To be completed by the tenderer)
BB-BEE score of companies <ul style="list-style-type: none"> <li>• Level 1</li> <li>• Level 2</li> <li>• Level 3</li> <li>• Level 4</li> <li>• Level 5</li> <li>• Level 6</li> <li>• Level 7</li> <li>• Level 8</li> <li>• Non-compliant</li> </ul>	<ul style="list-style-type: none"> <li>• 4 Points</li> <li>• 3.5 Points</li> <li>• 3 Points</li> <li>• 2.5 Points</li> <li>• 2 Points</li> <li>• 1.5 Points</li> <li>• 1 Point</li> <li>• 0.5 Points</li> <li>• 0 Points</li> </ul>	
EME and/ or QSE	1 Point	
At least 51% of Women-owned companies	1 Point	
At least 51% owned companies by People with disability	1 Point	
At least 51% owned companies by Youth	1 Point	
Local Economic Participation <ul style="list-style-type: none"> <li>• City of Tshwane</li> <li>• Gauteng</li> </ul>	2 Points 1 Point	

Specific goals	90/10 preference point system	Number of points claimed (90/10 system) (To be completed by the tenderer)
• National	1 Point	

**N.B** For points to be allocated as per above the tenderers will be required to submit proof of documentation as evidence for claims made. Any tenderer that does not submit evidence as stated in the bid document to claim applicable points will be allocated zero points.

**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:** .....

.....

.....

**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 **CITY OF TSHWANE MUNICIPALITY** in accordance with the requirements and specifications stipulated in bid number **EED 34-2023/24** 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: .....	

**CONTRACT FORM: PURCHASE OF GOODS/WORKS**

**PART 2 (TO BE FILLED IN BY THE PURCHASER)**

1. I ..... in my capacity as ..... accept your bid under reference number ..... dated ..... 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	B-BBEE STATUS LEVEL OF CONTRIBUTION

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

SIGNED AT ..... ON.....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

WITNESSES

1. ....

2. ....

DATE: .....

**CONTRACT FORM: RENDERING OF SERVICES**

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

**PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)**

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution)..... in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number **EED 34-2023/24** 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 date of the 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);
    - Filled in task directive/proposal;
    - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2022;
    - 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 services 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: .....	

**CONTRACT FORM: RENDERING OF SERVICES**

**PART 2 (TO BE FILLED IN BY THE PURCHASER)**

1. I..... in my capacity as ..... accept your bid under reference number ..... dated..... for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION

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

SIGNED AT ..... ON .....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

WITNESSES

- 1 .....
- 2 .....

DATE: .....

**DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES**

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
  - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
  - b. been convicted for fraud or corruption during the past five years;
  - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
  - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

4.1	Is the bidder or any of its directors listed on the National Treasury's Database 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).  <b>The Database of Restricted Suppliers now resides on the National Treasury's website(<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) and can be accessed by clicking on its link at the bottom of the home page.</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?  <b>The Register for Tender Defaulters can be accessed on the National Treasury's website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>

4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.7.1	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**

**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

- 1 This Municipal Bidding Document (MBD) must form part of all bids<sup>1</sup> 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).<sup>2</sup> Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
  - a. take all reasonable steps to prevent such abuse;
  - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
  - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> 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: **EED 34-2023/24**

**TENDER FOR TECHNICAL AUDIT WORK AND SUPPLY, INSTALL AND COMMISSION OF RELAYS ON TSHWANE'S TRANSMISSION AND DISTRIBUTION ELECTRICAL NETWORK AS AND WHEN REQUIRED OVER A 3-YEAR PERIOD.**

(Bid Number and Description)

in response to the invitation for the bid made by:

**CITY OF TSHWANE MUNICIPALITY**

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

I certify, on behalf of: \_\_\_\_\_ that:  
(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
  - (a) has been requested to submit a bid in response to this bid invitation;
  - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
  - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium<sup>3</sup> will not be construed as collusive bidding.

<sup>3</sup> 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.



# **THE NATIONAL TREASURY**

**Republic of South Africa**



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**GOVERNMENT PROCUREMENT**

**GENERAL CONDITIONS OF CONTRACT**

**July 2010**

## GOVERNMENT PROCUREMENT

# GENERAL CONDITIONS OF CONTRACT

July 2010

### NOTES

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

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## General Conditions of Contract

### 1. 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.
  - 1.7 “Day” means calendar day.
  - 1.8 “Delivery” means delivery in compliance of the conditions of the contract or order.
  - 1.9 “Delivery ex stock” means immediate delivery directly from stock actually on hand.
  - 1.10 “Delivery into consignees store or to his site” means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
  - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
  - 1.12 ”Force majeure” means an event beyond the control of the supplier and not involving the supplier’s fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
  - 1.13 “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.

- 1.14 “GCC” means the General Conditions of Contract.
- 1.15 “Goods” means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 “Imported content” means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 “Local content” means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18 “Manufacture” means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 “Order” means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 “Project site,” where applicable, means the place indicated in bidding documents.
- 1.21 “Purchaser” means the organization purchasing the goods.
- 1.22 “Republic” means the Republic of South Africa.
- 1.23 “SCC” means the Special Conditions of Contract.
- 1.24 “Services” means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25 “Written” or “in writing” means handwritten in ink or any form of electronic or mechanical writing.

**1. Application**

- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

**3. General**

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

- 3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from [www.treasury.gov.za](http://www.treasury.gov.za)
- 4. Standards**
- 4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
- 5. Use of contract documents and information inspection.**
- 5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 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.
- 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 in SCC.
- 8. Inspections, tests and analyses**
- 8.1 All pre-bidding testing will be for the account of the bidder.

- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

**9. Packing**

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

**10. Delivery and documents**

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

- 11. Insurance** 11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.
- 12. Transportation** 12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.
- 13. Incidental services, services** 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (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 in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:
- (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 in SCC.

- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.
- 16. Payment**
- 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
- 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
- 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4 Payment will be made in Rand unless otherwise stipulated in SCC.
- 17. Prices**
- 17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.
- 18. Contract**
- 18.1 No variation in or modification of the terms of the contract shall be made **amendments** except by written amendment signed by the parties concerned.
- 19. Assignment**
- 19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.
- 20. Subcontracts**
- 20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.
- 21. Delays in the supplier's performance**
- 21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.
- 21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

**22. Penalties**

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

**23. Termination for default**

- 23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
  - (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 judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated

fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

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

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

- (i) the name and address of the supplier and / or person restricted by the purchaser;
- (ii) the date of commencement of the restriction
- (iii) the period of restriction; and
- (iv) the reasons for the restriction.

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

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

#### **24. Anti-dumping and countervailing duties and rights**

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

#### **25. Force Majeure**

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

25.2 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.
<b>26. Termination for insolvency</b>	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.
<b>27. Settlement of Disputes</b>	27.1	If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
	27.2	If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
	27.3	Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
	27.4	Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
	27.5	Notwithstanding any reference to mediation and/or court proceedings herein, <ul style="list-style-type: none"> <li>(a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and</li> <li>(b) the purchaser shall pay the supplier any monies due the supplier.</li> </ul>
<b>28. Limitation of liability</b>	28.1	Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6; <p>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</p> <p>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.</p>
<b>29. Governing language</b>	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.
<b>30. Applicable law</b>	30.1	The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
<b>31. Notices</b>	31.1	Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice

- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
- 32. Taxes and duties**
- 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
- 33. National Industrial Participation (NIP) Programme**
- 33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation
- 34. Prohibition of Restrictive practices**
- 34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
- 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

**DRAFT SERVICE-LEVEL AGREEMENT**

ENTERED INTO BETWEEN

THE CITY OF TSHWANE METROPOLITAN MUNICIPALITY

AND

\_\_\_\_\_

**Registration number:** \_\_\_\_\_

Doc2    Version 1    3 March 2022

**SERVICE-LEVEL AGREEMENT**

ENTERED INTO BETWEEN

THE CITY OF TSHWANE METROPOLITAN MUNICIPALITY

A municipality, as described in Section 2 of the Local Government: Municipal Systems Act, 2000 and as contemplated in Section 155 of the Constitution of the Republic of South Africa, 1996 as a category A municipality, or the Assignee, if applicable, herein represented by Mr Johann Mettler in his/her capacity as City Manager duly authorised thereto under and by virtue of a resolution passed on 26 January 2012, and who by his/her signature hereto warrants that he/she is properly authorised to sign this Agreement.

(Herein referred to as the “**CITY**”)

**AND**

\_\_\_\_\_

**Registration number:** \_\_\_\_\_

Herein represented by \_\_\_\_\_ in his/her capacity as \_\_\_\_\_ is duly authorised thereto under and by virtue of a resolution of the board passed on \_\_\_\_\_, a copy of which is annexed as Annexure A, and who by his/her signature hereto warrants that he/she is properly authorised to sign this agreement.

(Herein referred to as the “**SERVICE PROVIDER**”)

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## **RECORDAL:**

**WHEREAS** the City requires various services to be provided or carried out and delivered at the service areas;

**AND WHEREAS** the City wishes to appoint the service provider;

**AND WHEREAS** the service provider wishes to provide such services;

**AND WHEREAS** the service provider has indicated that it has the necessary expertise, skills and capabilities to provide the service;

**NOW THEREFORE**, the parties have agreed to enter into this agreement, in terms of which the service provider shall provide the services in the service areas and/or delivery area, and provide maintenance and support thereof to the City in accordance with the terms and subject to the conditions of this agreement.

### **1. DEFINITIONS**

Unless otherwise expressly stated, or if the context requires otherwise, the following words and expressions, when used in this agreement, including in this introduction, shall bear the following meanings ascribed to them:

- 1.1 **“Agreement”** means this service-level agreement and shall include any annexures, schedules, attachments, appendices and/or any addenda hereto or incorporated herein by reference, as amended from time to time;
- 1.2 **“Business day”** means any day from Monday to Friday, excluding public holidays, as defined in the Public Holidays Act, 1994 (Act 36 of 1994), as amended from time to time;
- 1.3 **“Business week”** means five consecutive business days, excluding public holidays as defined in the Public Holidays Act, 1994;
- 1.4 **“City”** means the City of Tshwane Metropolitan Municipality, a metropolitan municipality established in terms of Section 12 of the Local Government: Municipal Structures Act, 1998 (Act 117 of 1998);
- 1.5 **“Contact persons”** means persons identified by the parties as persons who are responsible for the execution of the agreement and whose names are set out in Clause 35 below and who can be substituted in writing from time to time;
- 1.6 **“Contract price”** means the amount reflected as the contract price in Clause 9 below;
- 1.7 **“Contract period”** means the contract period as reflected in Clause 6 below;
- 1.8 **“Effective date”**, notwithstanding the signature date, means \_\_\_\_\_;
- 1.9 **“Intellectual property”** means patents, designs, know-how, copyright, trademarks and all rights having an equivalent or similar effect which may exist anywhere in the world, introduced and required by either party to give effect to

their obligations under this agreement, owned in whole or in part by, or licenced to either party before the commencement date or developed after the commencement date, and includes all further additions and improvements to the intellectual property, otherwise pursuant to this agreement;

- 1.10 **“Month”** means a calendar month;
- 1.11 **“Parties”** means the City of Tshwane and the service provider and “party” means either of these, as the context requires;
- 1.12 **“Services”** means services to be provided by the service provider to the City as detailed in Clause 8 below;
- 1.13 **“Service provider”** means \_\_\_\_\_, a company duly incorporated in accordance with the company laws of the Republic of South Africa with company registration number: \_\_\_\_\_;
- 1.14 **“Signature date”** means the date of signature of this agreement by the party signing last;
- 1.15 **“Subcontract”** means any contract, agreement or proposed contract between the service provider and any third party whereby that third party agrees to provide to the service provider the services or any part thereof;
- 1.16 **“Subcontractor”** means the third party with whom the service provider enters into a subcontract;
- 1.17 **“Tax invoice”** means the document, as required by Section 20 of the Value-added Tax Act, 1991 (Act 89 of 1991), as amended from time to time;
- 1.18 **“VAT”** means value-added tax, as defined in terms of the Value-added Tax Act, 1991.

## **2. INTERPRETATION**

- 2.1 Headings and subheadings are inserted for information purposes only and shall not be used in the interpretation of this agreement.
- 2.2 Unless the context clearly indicates a contrary intention, any word that connotes –
  - 2.2.1 any singular shall be deemed to include a reference to the plural and *vice versa*;
  - 2.2.2 any one gender shall be deemed to include a reference to any other gender; and
  - 2.2.3 a natural person shall be deemed to include a reference to a legal or juristic person.

- 2.3 The expiry or termination of this agreement shall not affect provisions of this agreement, which expressly provide that they will operate after any such expiry or termination of this agreement. Provisions of necessity shall continue to have been effective after such expiry or termination of this agreement, notwithstanding that the clauses themselves do not expressly provide for this.
- 2.4 The rule of interpretation that a written agreement shall be interpreted against the party responsible for the drafting or preparation of that agreement shall not apply.
- 2.5 Where figures are referred to in numerals and in words and there is any conflict between the two, the words shall prevail.
- 2.6 Any reference to any legislation is a reference to such legislation as at the signature date and as amended or re-enacted from time to time.
- 2.7 If any provision in a definition is a substantive provision that confers any rights or imposing any obligations on any party, then, notwithstanding that it is only in this interpretation clause, effect shall be given to it as if it were a substantive provision in this agreement.

### **3. APPOINTMENT**

The City hereby appoints the service provider, who accepts such appointment, to provide the services in accordance with the terms and subject to the conditions of this agreement.

### **4. PURPOSE OF THE AGREEMENT**

- 4.1 The purpose of this agreement is to –
  - 4.1.1 formalise and regulate the working relationship between the parties;
  - 4.1.2 set out the roles and responsibilities of the parties; and
  - 4.1.3 define process and procedures to be followed by the parties.

### **5. RELATIONSHIP**

Nothing in this agreement shall constitute or be deemed to constitute a partnership or joint venture between the parties. Furthermore, the service provider acknowledges and agrees that its status under this agreement is that of an independent service provider and its status shall in no way be deemed to be that of an agent or employee of the City for any purpose whatsoever. The service provider shall have no authority or power to bind the City or to contract in the name of the City or create a liability against the City in any way or for any purpose.

## **6. DURATION**

This agreement shall commence on the effective date and shall subsist for \_\_\_\_\_ years, unless terminated earlier, pursuant to Clause 32 below.

## **7. CONTACT PERSON**

- 7.1 The work to be performed by the service provider hereunder will be supervised by City's contact person referred to in Clause 35 below.
- 7.2 The parties shall notify each other in writing from time to time of the details of the nominated contact person.
- 7.3 The contact persons shall liaise and update each other on the progress of the services rendered and shall endeavour to resolve and remedy any problems or disputes that may arise in relation to the services.
- 7.4 Either party may substitute a contact person at its discretion, provided that each party shall give the other party reasonable notice of such substitution and will provide replacement employees of equivalent ability.
- 7.5 Without derogating from the foregoing, should either party replace a contact person for any reason whatsoever, it shall ensure, to the greatest extent possible in the circumstances, that the suitable period of handover and overlap takes place, at its cost, between the new and the incumbent contact person.

## **8. SCOPE OF GENERAL SERVICES**

The service provider shall, for the duration of this agreement, provide the services set out in the scope of work and in accordance with the deliverables and milestones attached hereto as Annexure B, including but not limited to the maintenance and support services, as provided for in Clause 20 below.

## **9. PRICE AND PAYMENT**

- 9.1 The City shall pay to the service provider the contract price in the sum of R\_\_\_\_\_ (\_\_\_\_\_ rand), payable in accordance with the terms of the appointment letter, attached hereto as Annexure C, and subject to deliverables.
- 9.2 All payments under this agreement shall be made by electronic fund transfer or other forms of payment as the parties may agree upon from time to time, upon receipt of valid and undisputed tax invoices and month-end statements together with the supporting documentation from the service provider, once the undisputed tax invoices or such portion of the tax invoices which are undisputed become due and payable.
- 9.3 All amounts and other sums payable in terms of this agreement and schedules hereto will be stipulated exclusive of VAT, unless expressly stated otherwise.

- 9.4 Unless otherwise provided in the schedules, valid tax invoices shall be submitted together with a month-end statement. Payment against such month-end statement shall be made by the City within 30 (thirty) days after the date of receipt by the City of the service provider's statement together with the relevant valid and undisputed tax invoice(s) and supporting documentation, but in any event no later than 90 (ninety) days of receipt of such statement.
- 9.5 Where the payment of any valid and undisputed tax invoice, or any part of the said tax invoice which is not in dispute, is not made by the due date, the service provider shall be entitled to charge interest on the outstanding amount, at the service provider's prime rate of interest in force, for the period from the due date of payment until the outstanding amount is fully paid.
- 9.6 There shall be no interest levied on a tax invoice that is in dispute between the parties.
- 9.7 The City shall pay the amount reflected on a tax invoice once the City's contact person has verified that the services set out in a schedule have been rendered and the tax invoice amount has been approved by the City.
- 9.8 All tax invoices shall be addressed to the City's contact person.
- 9.9 All payments shall be transferred by the City to the service provider electronically into the service provider's bank account, the details of which are as follows:
  - Bank: \_\_\_\_\_
  - Account type: \_\_\_\_\_
  - Account number: \_\_\_\_\_
  - Branch number: \_\_\_\_\_
- 9.10 Failure to comply with the clauses above may result in late payment of the total amount of an invoice by the service provider to the City. The City shall not be liable for any costs or damages suffered by the service provider as a result of such late payment.

**10. PRICE RESTRUCTURING**

- 10.1 The service provider shall be subject to a price review every year.
- 10.2 The City shall embark on a benchmarking exercise every 12 (twelve) months where the City shall benchmark the service provider's contract price against the prevailing market rates.
- 10.3 In the event that it emerges that the service provider's charges regarding the contract price and other charges under this agreement are materially higher than the reasonable benchmark ascertained by the City or that the City can acquire similar services of a like quality from another supplier at a total delivered cost that is lower than the total delivered cost of the services acquired hereunder from the service provider, the City shall have the right to notify the service provider of such total delivered cost and the service provider shall have an opportunity to adjust the contract price and any other charges hereunder, on

such a basis as to result in the same total delivered cost to the City, within 30 (thirty) calendar days of such notice.

- 10.4 If the service provider fails to do so or cannot legally do so, the City may –
- 10.4.1 acquire the services from such other supplier in which case the obligations, including, but not limited to, any purchase and sale requirements and/or commitments, if any, of the City and the service provider hereunder shall be reduced accordingly;
  - 10.4.2 terminate this agreement without any penalty, liability or further obligation; or
  - 10.4.3 continue under this agreement.
- 10.5 Within 30 (thirty) calendar days of a notice by the City or at any time the City so requests, the service provider shall certify in writing to the City that it is in compliance with this clause and shall provide all information that the City reasonably requests in order to verify such compliance.

## **11. SERVICE LEVELS**

- 11.1 The service provider recognises that the City has entered into this agreement relying specifically on the service provider's representations regarding service levels including, *inter alia* –
- 11.1.1 capacity allocations in accordance with the service to be provided; and
  - 11.1.2 all work to be performed and services rendered under this agreement shall comply with industry norms and best practice acceptable within the services industry and shall be executed by the service provider to the total satisfaction of the City.
- 11.2 The service provider shall provide suitably qualified and trained employees to provide the services to the City in terms of this agreement, and shall allocate, in its discretion, employee resources in accordance with the technical skill and knowledge required, provided that any exercise of such discretion by the service provider shall not negatively impact the provision of the services by the service provider to the City. The service provider shall also allocate employees with the technical skill and knowledge on-site at the City at all times during normal working hours, if the City so requires.
- 11.3 Among others, the service provider shall comply with and provide the services as set out in Clause 8 above.

## **12. WITHHOLDING OF PERFORMANCE**

The service provider may not, under any circumstances, including, without limitation, non-payment by the City, withhold any services from the City during the currency of this agreement, unless it validly terminates this agreement, in terms of Clause 32 below.

### **13. PENALTY**

- 13.1 Should the service provider fail to comply with its obligations in terms of this agreement, the City may –
  - 13.1.1 exercise its rights in terms of Clause 31 below; or
  - 13.1.2 impose a penalty on the service provider.
- 13.2 An election of any of the above by the City shall not mean that the City has waived any other rights which the City might have in law.
- 13.3 Should the City choose to impose a penalty on the service provider, the City shall provide the service provider with a written notice requiring the service provider to remedy the default within 7 (seven) days from the date of delivery of the notice.
- 13.4 Should the service provider fail to remedy the default within 7 (seven) days after receiving the notice, the City shall be entitled, without prejudice to any alternative or additional right of action or remedy available to the City and without further notice, to impose a penalty, which penalty shall be a deduction of 10% of the monthly contract price for the contract period. For the avoidance of doubt, the penalty amount shall be 10% of the monies due for payment to the service provider monthly, in terms of Clause 9 above.
- 13.5 Should there be a dispute as to whether the failure to deliver was caused by the City or was the service provider's fault, such dispute shall be dealt with in accordance with Clause 33 below.

### **14. ACCESS**

- 14.1 The City shall allow the service provider reasonable access to its premises, provided that –
  - 14.1.1 access is related to the services to be provided by the service provider; and
  - 14.1.2 the service provider adheres to all rules, regulations and instructions applicable at the City's premises.
- 14.2 The service provider is required to notify the City every month of employees who are to provide services at the service areas and/or delivery areas.
- 14.3 The City shall grant the service provider and/or its employees, referred in Clause 14.2 above, access to its premises to perform its obligations in terms of this agreement.
- 14.4 The service provider and its employees shall at all times, when entering the premises and/or service areas and/or delivery areas of the City, comply with all rules, laws, regulations and policies of the City.

## **15. ORDERS OF GOODS**

- 15.1 The service provider's contact person shall advise the City in writing of the goods required to enable the service provider to render the services. On the order form, the service provider shall set out the quantity, description of goods and the anticipated date of delivery of the goods ("delivery date").
- 15.2 The City shall confirm the order in writing and authorise the service provider to order the goods necessary for the provision of the service.
- 15.3 All orders for goods ordered under Clause 15 shall be for the separate account of the City, the cost of which shall be invoiced to the City by the service provider upon confirmation of the order, in terms of Clause 15.2 above. The City shall not be obliged to order the goods from the service provider and shall be entitled to use any company that it deems most suitable for the provision of the goods.

## **16. DELIVERY OF GOODS**

- 16.1 The service provider shall deliver the goods on the delivery date.
- 16.2 Should the service provider be unable to deliver the goods on the delivery date, the service provider shall inform the City of its inability to deliver the goods, the reason therefor, and shall provide the City with a reasonable alternative delivery date, which, in any event, shall not be more than 14 (fourteen) days from the original delivery date.
- 16.3 In the event that the service provider is unable to deliver the goods on the delivery date 3 (three) times in a period of 6 (six) months, the City shall be entitled to terminate this agreement by giving the service provider one (1) month's written notice to terminate.
- 16.4 Upon delivery of the goods by the service provider, the City's contact person shall sign the delivery document provided by the service provider as acknowledgement of receipt of the goods. Such acknowledgement of receipt shall not constitute an acceptance –
  - 16.4.1 that the goods were received in good condition;
  - 16.4.2 that the goods were free of any defects;
  - 16.4.3 that the goods were fit for the purpose for which they were purchased; and/or
  - 16.4.4 of any terms and conditions of the delivery document.
- 16.5 In the event that the City notifies the service provider, within 5 (five) business days, that the goods delivered are not in accordance with the order, the City shall be entitled to return the goods to the service provider at the service provider's cost and the service provider shall deliver the replacement goods ordered within 5 (five) business days of taking delivery of the defective goods.

## **17. DEFECTIVE GOODS OR LATENT PRODUCTS**

- 17.1 The service provider shall verify whether the goods received are in order and without any defects.
- 17.2 In the event that the City realises that the goods have any defect, including (but not limited to) manufacture and/or latent defects, the City shall inform the service provider in writing within 5 (five) days of becoming aware of the defect ("Notice of Defect").
- 17.3 Upon receipt of the Notice of Defect, the service provider shall immediately deliver replacement goods to the City within 14 (fourteen) business days of receiving the Notice of Defect, referred to in Clause 17.2 above, and replace the defective goods.
- 17.4 The cost of returning and replacing the defective goods shall be borne by the service provider.
- 17.5 The service provider shall be responsible for the replacement amount of any parts of the goods that are to be replaced in terms of this agreement.

## **18. AMENDMENT OR CANCELLATION OF PURCHASE ORDER**

The City is entitled to cancel an order, reschedule delivery of the goods or change the delivery area and delivery date on 14 (fourteen) days' written notice to the service provider.

## **19. INSPECTION**

- 19.1 The City may, at any time, inspect the goods and/or service levels of the service provider in terms of this agreement.
- 19.2 If the City is, at any time, dissatisfied with the service levels, the City shall, within 7 (seven) days, notify the service provider in writing of the failure or default.
- 19.3 The service provider shall immediately upon receipt of written demand by the City remedy such failure or default, within 7 (seven) business days from the date of receipt of the notice, free of charge.
- 19.4 Should the service provider fail to remedy the failure or default referred to above, the City shall have the right to impose penalties as provided for in Clause 12 above or invoke the provisions of clauses and/or Clause 31 below.
  - 19.4.1 To enable the City to determine whether the goods and/or services rendered in terms of this agreement are being complied with, the service provider shall –
    - 19.4.1.1 provide the City with such information as it may reasonably require;
    - 19.4.1.2 allow the City to inspect and take copies of any records of the service provider relating to the goods and/or services, including all hardware, software, data, information, visuals,

procedures, event logs, transaction logs, audit trails, books, records, contracts and correspondence; or

- 19.4.1.3 allow the City or its authorised representatives to conduct interviews with any of the service provider's employees, subject to reasonable notice being given to the service provider.

## **19.5 Service provider to provide reasonable assistance**

19.5.1 Where any information is required for inspection in terms of this clause and the information is kept in a computer, the service provider shall give the City reasonable assistance required to facilitate inspection and obtain copies of the information in a visible and legible form or to inspect and check the operation of any computer and any associated apparatus or material that is or has been in use in connection with the keeping of the information.

19.5.2 Any information required to be provided to the City, pursuant to Clause 19, shall be provided by the service provider, as the case may be in such form (including a form otherwise than in writing) as the City may reasonably specify.

19.5.3 The cost of any inspection contemplated in terms of Clause 19 shall be for the account of the City unless any material irregularity or failure on the part of the service provider is determined by the City in the course of such inspection.

19.6 The inspection contemplated in this agreement will be conducted –

19.6.1 during normal business hours; and

19.6.2 where the circumstances justify it, on reasonable notice to the service provider, with the minimum interference in the provision of the services and the service provider's other operations.

## **20. MAINTENANCE AND SUPPORT**

The essential and critical elements of the maintenance and support to be provided by the service provider to the City shall be detailed in the scope of work attached hereto as Annexure B.

## **21. TRAINING**

If required, the service provider shall, after delivery and installation of the goods, and as part of maintenance and support, ensure that the City's nominated employees, from time to time, receive the required and necessary training relating to the nature, purpose and appropriate use of the goods.

## **22. SERVICE PROVIDER'S WARRANTIES AND INDEMNITIES**

### **22.1 Service warranties**

22.1.1 The service provider warrants that, in relation to each service provided in terms of this agreement, –

- 22.1.1.1 it has full capacity and authority to enter into and perform this agreement, and that this agreement is executed by duly authorised representatives of the service provider;
- 22.1.1.2 it possesses or has access to the requisite knowledge, skill and experience to provide the services in an expert manner;
- 22.1.1.3 it will discharge its obligations under this agreement and any annexure, appendix or schedule hereto with all due skill, care and diligence;
- 22.1.1.4 all work performed and services rendered under this agreement shall comply with prevailing practice, standards and specifications within the industry;
- 22.1.1.5 it will be solely responsible for the payment of remuneration and associated benefits, if any, of its personnel and for withholding and remitting income tax for its personnel in conformance with any applicable laws and regulations;
- 22.1.1.6 the use or possession by the City of any materials will not subject the City to any claim for infringement of any intellectual property rights of any third party;
- 22.1.1.7 it will, with promptness and diligence, and in a skilful manner and in accordance with the practices and professional standards of operations, perform services and/or deliver goods;
- 22.1.1.8 its services and/or goods will, in all aspects, comply with industry norms and best practice to the satisfaction of the City with regard to materials and workmanship;
- 22.1.1.9 it will use and adopt any standards, processes and procedures required under this agreement;
- 22.1.1.10 it shall employ suitably qualified and trained employees to provide the services and/or goods to the City and it shall allocate employees in accordance with the technical skills and knowledge required;
- 22.1.1.11 the goods and/or services will be free from any defects in material and workmanship;
- 22.1.1.12 it will maintain and cause to be maintained the highest standard of workmanship and care in undertaking the services and/or processing the goods;

- 22.1.1.13 it will maintain and cause to be maintained the highest standard of care and diligence in providing the services, maintenance and support;
- 22.1.1.14 it will ensure that all applicable laws are observed;
- 22.1.1.15 without derogating from the generality of the foregoing, it will strictly adhere to any or all laws, regulations and accepted procedures with regard to health, hygiene and the maintaining of the environment in the manufacture, packaging, labelling, identification, storage and transportation of the goods; and
- 22.1.1.16 it guarantees that the goods shall be in good working condition for the warranty and/or maintenance period of the goods, and that the service provider shall be responsible for the costs of repair of the goods should the goods require to be repaired to their normal use.

## **22.2 Indemnity**

22.2.1 The service provider hereby indemnifies the City against any claim which may be brought against the City by the service provider's personnel or a third party arising from the execution of this agreement or which arises against the City as a result of the service provider's breach of any of the provisions of this agreement. This is provided that the City notifies the service provider in writing within a reasonable time, and, in any event, no less than 14 (fourteen) business days of the City becoming aware of any such claim to enable the service provider to take steps to contest it. The City shall provide the service provider with such reasonable assistance as may be necessary to enable the service provider to defend the claim to the extent only that it is in a position to render such assistance. The service provider may, within 5 (five) business days of receipt of written notice from the City aforesaid, elect in writing to contest such a claim in the name of the City and shall be entitled to control the proceedings in regard thereto. This is provided that the service provider indemnifies the City against all and any costs (including attorney and own client costs) which may be incurred by or awarded against the City as a consequence of the defence of the claim.

## **23. SERVICE PROVIDER'S PERSONNEL**

### **23.1 Liability for criminal acts of employees**

The service provider shall be liable to the City for any loss that the City or any third party may suffer as a result of any theft, fraud or other criminal act of any employee of the service provider which arises within the course and scope of such employee's employment with the service provider.

### **23.2 Character of employees**

23.2.1 Due to the confidential nature of certain aspects of the services and the position of trust which the service provider's employees will fulfil, the service provider hereby undertakes to use its best commercial endeavours to ensure that it only assigns to the City employees who are fit and proper persons, who display the highest standards of personal integrity and honesty, and who have not, to their knowledge, been convicted of any crime.

23.2.2 The service provider shall, at its own cost, conduct all reasonable background checks into its employees before using them to provide the services in terms of this agreement.

23.3 The City shall conduct all reasonable background checks into the service provider's employees from time to time, where it deems it necessary to do so.

## **24. STATUTORY AND EMPLOYMENT ISSUES**

24.1 The service provider shall comply with all employment legislation

24.1.1 The service provider warrants that it has full knowledge of all relevant statutory, collective and other stipulations applicable to the relationship with its personnel and its relationship with the City. This includes, but is not limited to, the Labour Relations Act, 1995 (Act 66 of 1995), the Basic Conditions of Employment Act, 1977 (Act 75 of 1997), the Employment Equity Act, 1998 (Act 55 of 1998) and any other applicable employment legislation currently in force.

24.1.2 The service provider warrants further that it is not and will not in future be in contravention of any of the provisions of any such legislation and in the event of such contravention, the service provider shall immediately take all steps to remedy such contravention. If the City advises the service provider of any contravention of such legislation in writing, the service provider shall, within 10 (ten) days after receipt of such notice, take all steps necessary to remedy such contravention and shall keep the City informed regarding the steps taken and the implementation and result thereof.

### **24.2 No employment**

The service provider warrants that none of its personnel shall be regarded as employees of the City. The service provider shall assist to defend and bear all costs in the event that the City is required to defend a claim, whether civil or employment related, instituted against it by the service provider's personnel should the City defend the matter. The service provider hereby indemnifies the City against all and any costs (including attorney and own client costs) which may be incurred by or awarded against the City as a consequence of the defence of the claim.

### **24.3 Occupational Health and Safety Act, 1993**

The service provider shall be responsible for ensuring compliance with all the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)

and it indemnifies the City against any claim which may arise in respect of such act by its personnel against the City.

## **25. SUBCONTRACTING**

- 25.1 The service provider may not subcontract the whole of or any portion of the services in terms of this agreement to any third party without the prior consent of the City.
- 25.2 In the event the service provider wishes to subcontract the whole of or any portion of the services in terms of this agreement, it shall apply to the City in writing for consent to do so.
- 25.3 In its application, the service provider shall give the name of the subcontractor, the subcontractor's obligations, the proposed date of commencement of the subcontract, which shall include the fees payable to the subcontractor, and a report of the background security check on the subcontractor's suitability, financial and otherwise.
- 25.4 The City may, in its sole and absolute discretion, refuse consent to subcontract. In the event the City approves the subcontracting of the whole of or any portion of the services in terms of this agreement, –
  - 25.4.1 the service provider shall ensure that the subcontractor's BBBEE level is equal or better than that of the service provider, its price is competitive and it has the capacity to provide the service;
  - 25.4.2 such subcontracting shall not absolve the service provider from the responsibility of achieving the service levels or complying with its obligations in terms of this agreement, and the service provider hereby indemnifies and holds the City harmless against any loss, harm or damage which the City may suffer as a result of such subcontracting;
  - 25.4.3 the service provider shall, at all times, remain the sole point of contact for the City in respect of the acquisition of services by the City; and
  - 25.4.4 no such subcontracting shall have any effect on the contract price and charges payable by the City to the service provider in terms of this agreement.

## **26. CONFIDENTIALITY**

- 26.1 The service provider acknowledges that all information relating to the City's confidential business and technical information, data, documents or other information necessary or useful for the carrying on by the City of its business which shall include, but shall not be limited to, operating procedures, quality control procedures, approximate operation personnel requirements, descriptions, trade names and trademarks, know how, techniques, technology, information relating to clients, customers, suppliers and relevant authorities, copyright, trade secrets and all goodwill relating to the business and any other intellectual property rights, technical data and documents in whole or in part, used by the City in respect of its business ("confidential information") shall

remain confidential and shall not be made known unless the City has given written consent to do so.

- 26.2 The information provided by the City in the context of this agreement is confidential information and the service provider shall take all reasonable measures to keep the information confidential and will only use the information for the purpose for which it was provided.
- 26.3 The service provider undertakes to not disclose any such confidential information. However, there will be no obligation of confidentiality or restriction on use where –
- 26.3.1 the information is publicly available, or becomes publicly available otherwise than by action of the receiving party;
  - 26.3.2 the information was already known to the receiving party (as evidenced by its written records) prior to its receipt under this or any previous agreement between the parties or their affiliates; or
  - 26.3.3 the information was received from a third party not in breach of an obligation of confidentiality.

## **27. INTELLECTUAL PROPERTY RIGHTS**

- 27.1 All intellectual property rights of the contractor and/or third party vest in the contractor and/or third party, as appropriate.
- 27.2 All rights in the City name and logo remain the absolute property of the City.
- 27.3 The contractor warrants that no aspect of the services provided in terms thereof will infringe any patent, design, copyright, trademark, trade secret or other proprietary right of any third party.
- 27.4 The contractor shall promptly notify the City, in writing, of any infringement or apparent or threatened infringement or any circumstances which may potentially give rise to an infringement, or any actions, claims or demands in relation to any intellectual property rights.
- 27.5 In the event the City becomes aware of any such infringement, the contractor shall, at its cost, defend the City against any claim that the services infringe any such third party intellectual property rights, provided that the City gives notice to the contractor of such claim and the contractor controls the defence thereof. The contractor further indemnifies the City against, and undertakes that it will pay all costs, damages and attorney fees, if any, finally awarded against the City in any action which is attributable to such claim and will reimburse the City with all costs reasonably incurred by the City in connection with any such action.
- 27.6 Should any claim be made against the City by any third party in terms of Clause 27.1 above, the City shall give the contractor written notice thereof within 3 (three) days of becoming aware of such claim to enable the contractor to take steps to contest it.

- 27.7 Should any third party succeed in its claim for the infringement of any third party proprietary rights, the contractor shall, at its discretion and within 30 (thirty) days of the services having been found to infringe, at its own cost, –
- 27.7.1 obtain for the City the right to continue using the subject of infringement or the parts thereof which constitute the infringement;
  - 27.7.2 replace the subject of infringement or the parts thereof which constitute the infringement with another product or service which does not infringe and which is materially similar to the subject of infringement;
  - 27.7.3 alter the subject of infringement in such a way as to render it non-infringing while still in all respects operating in substantially the same manner as the subject of infringement; or
  - 27.7.4 withdraw the subject of infringement.

## **28. FORCE MAJEURE**

- 28.1 For the purposes hereof, “*force majeure*” shall mean civil strife, riots, insurrection, sabotage, national emergency, acts of war of public enemy, rationing of supplies, flood, storm, fire or any other like forces of nature beyond the reasonable control of the party claiming *force majeure* and comprehended in the terms thereof.
- 28.2 If *force majeure* causes delays in or failure or partial failure of performance by a party of all or any of its obligations hereunder, this agreement shall be suspended for the period agreed in writing between the parties.
- 28.3 In the event of circumstances arising which the other party believes that it constitutes a *force majeure* (“the affected party”), such affected party shall send, within 5 (five) days from the interrupting circumstances, a written notice of the interrupting circumstances specifying the nature and date of commencement of the interrupting event to the other party. The parties shall agree, in writing, to suspend the implementation of this agreement for a specific period (“agreed period”).
- 28.4 In the event that both parties reasonably believe that the affected party shall be unable to continue to perform its obligations after the agreed period, either party shall be entitled to terminate this agreement without further notice to the other party.
- 28.5 The party whose performance is interrupted by the interrupting circumstances shall be entitled, provided that such party shall give notice to that effect with a written notice of the interrupting circumstances as provided above, to extend the period of this agreement by a period equal to the time that its performance is so prevented.

## **29. CESSION**

The service provider shall not be entitled to cede, assign or transfer in any other way and/or alienate its rights and obligations in terms of this agreement without the prior written consent of the City.

### **30. CHANGE OF CONTROL OR CIRCUMSTANCE**

- 30.1 The service provider shall notify the City in writing of any change in the service provider's shareholding or membership or any change in the service provider's subsidiary companies or holding or its affiliates (such change shall be considered a material change in the constitution and identity of the service provider). The City may terminate this agreement upon becoming aware of such material change.
- 30.2 The parties agree that should there be a change, as envisaged in Clause 30.1 above, the service provider will no longer exist and a new third party or entity shall have been constituted. In this regard, such third party shall not be entitled to inherit any of the service provider's rights and obligations in terms of this agreement, which will only be transferred to the new entity in writing by the City following the City's satisfaction and approval in writing of such new entity.
- 30.3 The service provider shall further notify the City of any material changes or circumstance which might have led the City to appoint the service provider to provide the goods and/or services. In the event that any material change or circumstance occurs and the service provider fails to inform the City of such a change or circumstance, the service provider shall be deemed to have breached a material term of this agreement and the City shall be entitled to cancel the agreement on 1 (one) month's prior notice.

### **31. BREACH**

- 31.1 Subject to Clause 30.3 above, should either party commit a breach of any term of this agreement ("the defaulting party") then the affected party ("aggrieved party") shall be entitled to inform the defaulting party in writing to remedy such failure or default within 5 (five) business days. Should the defaulting party fail to remedy the breach within 5 (five) business days after receipt of the notice, the aggrieved party shall be entitled, without prejudice to any of its rights under this agreement or law, to –
- 31.1.1 immediately terminate this agreement without giving written notice and claim damages (which shall include legal costs on an attorney or client scale);
- 31.1.2 request specific performance and claim damages (which shall include legal costs on an attorney or client scale); or
- 31.1.3 impose penalties as provided for in Clause 13 above.

### **32. EARLY TERMINATION**

The City shall have the right to terminate this agreement by giving 30 (thirty) days' notice in writing to the service provider of its intention to terminate the agreement.

### **33. DISPUTES**

33.1 Save for Clause 31 above or any other clause in this agreement which provides for its own remedy, should any dispute arise between the parties in respect of or pursuant to this agreement, including, without limiting the generality of the foregoing, any dispute relating to –

33.1.1 the interpretation of the agreement;

33.1.2 the performance of any of the terms of the agreement;

33.1.3 any of the parties' rights and obligations;

33.1.4 any procedure to be followed;

33.1.5 the termination or cancellation or breach of this agreement; or

33.1.6 the rectification or repudiation of this agreement,

any party may give the other party written notice of such dispute, in which event the provisions below shall apply.

33.2 Within 7 (seven) days of the declaration of such dispute, the parties' representatives or their nominated persons shall meet in the spirit of goodwill and endeavour to resolve the dispute, failing which (and without prejudice to any other alternative dispute resolution to which the parties may agree, either prior to or concurrently with arbitration) the provisions of Clause 33 shall apply.

33.3 If the parties are unable to resolve the dispute within 14 (fourteen) days of the notice of the dispute (or such longer period as they may have agreed to in writing), then either party may, on written notice to the other party, require that the dispute be submitted to and decided by arbitration, in terms of the Arbitration Act, 1965 (Act 42 of 1965).

33.4 The arbitration shall be held under the provisions of the Arbitration Act, 1965 provided that the arbitration shall be –

33.4.1 at any place which the parties agree, in writing, to be mutually convenient; and

33.4.2 in accordance with such formalities and/or procedures as may be settled by the arbitrator and may be held in an informal and summary manner, on the basis that it shall not be necessary to observe or carry out the usual formalities of procedure, pleadings and/or discovery or respect rules of evidence.

33.5 If the arbitration is –

33.5.1 a legal matter, then the arbitrator shall be a practising advocate or a practising attorney of no less than 10 (ten) years' standing;

- 33.5.2 an accounting matter, then the arbitrator shall be a practising chartered accountant of no less than 10 (ten) years' standing; and
- 33.5.3 any other matter, then the arbitrator shall be any independent person agreed upon between the parties.
- 33.6 Should the parties fail to agree on an arbitrator within 14 (fourteen) days after the arbitration has been demanded, then the arbitrator shall be nominated at the request of either of the parties, by the president for the time being of the Law Society of the Northern Provinces.
- 33.7 Should the parties fail to agree whether the dispute is of a legal, accounting or other nature within 7 (seven) days after the arbitration has been demanded, it shall be deemed to be a dispute of a legal nature.
- 33.8 The arbitrator may –
  - 33.8.1 investigate or cause to be investigated any matter, fact or thing which he/she considers necessary or desirable in connection with the dispute and, for that purpose, shall have the widest powers of investigating all documents and records of any party that have a bearing on the dispute;
  - 33.8.2 interview and question under oath the parties or any of their representatives;
  - 33.8.3 decide the dispute according to what he/she considers just and equitable in the circumstances; and
  - 33.8.4 make such award, including an award for specific performance, damages or otherwise, as he/she in his/her discretion may deem fit and appropriate. The arbitration shall be held as quickly as possible after it is requested, with a view to it being completed within 30 (thirty) days after it has been so requested.
- 33.9 The arbitrator's decision and award shall be in writing with reasons and shall be subject to appeal by either party.
- 33.10 Subject to the provisions of Clause 33.9 above, the arbitrator's award may, on application by either party to a court of competent jurisdiction and after due notice is given to the other party, be made an order of court.
- 33.11 Notwithstanding the provisions of Clauses 33.1, 33.2, 33.3, 33.4, 33.5, 33.6 and 33.7 above, in the event of either party having a claim against the other party for a liquidated amount or an amount which arises from a liquid document, or for an interdict or other urgent relief, then the other party having such a claim shall be entitled to institute action therefor in a court of law rather than in terms of the above clauses, notwithstanding the fact that the other party may dispute the claim.

33.12 The provisions of Clause 33 are severable from the rest of this agreement and shall remain in effect even where this agreement is terminated or cancelled for any reason.

**34. LAWS AND JURISDICTION**

34.1 This agreement shall be governed by and interpreted according to the law of the Republic of South Africa.

34.2 Each party submits to the exclusive jurisdiction of the South African courts in respect of any matter arising from or in connection with this agreement, including its termination. Each party further consents to the jurisdiction of the High Court of South Africa (North Gauteng High Court (in Pretoria)).

**35. NOTICES AND COMMUNICATION**

35.1 The Parties choose, as their respective *domicilium citandi et executandi* (hereinafter referred to as the “*domicilium*”) and for the delivery of any notices arising out of the agreement or its termination or cancellation, whether in respect of court process, notices or other documents or communication of whatsoever nature (including the exercise of any option), the address, as set out below.

35.1.1 The City:

2<sup>nd</sup> Floor, Block D  
Tshwane House  
320 Madiba Street  
Pretoria CBD  
0001

Attention: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: 086 214 9544  
Email: \_\_\_\_\_

35.1.2 The service provider:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attention: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

35.2 Each party shall be entitled, from time to time, by written notice to the other party, to vary its *domicilium* to any other address, which is not a post office box or *poste restante*.

- 35.3 Any notice given and any payment made by any party to another party (hereinafter referred to as “the addressee”) which –
- 35.3.1 is delivered by hand during normal business hours of the addressee at the addressee’s *domicilium*, shall be deemed, until the contrary is proved by the addressee, to have been received by the addressee at the time of delivery;
  - 35.3.2 is posted by prepaid registered post to the addressee at the addressee’s *domicilium* shall be deemed, until the contrary is proved by the addressee, to have been received on the 7<sup>th</sup> (seventh) day after the date of posting; or
  - 35.3.3 is sent by email or facsimile machine shall be deemed, until the contrary is proven by the addressee, to have been received within 1 (one) hour of transmission where it is transmitted during business hours of the receiving instrument and at noon on the following business day (excluding Saturdays) where it is transmitted outside such business hours.
- 35.4 Any notice or communication required or permitted in terms of this agreement shall be valid and effective only if in writing, but it shall be competent to give notice by facsimile.
- 35.5 Notwithstanding anything to the contrary in this agreement, a notice or communication actually received by one party shall be an adequate notice or communication notwithstanding that it was not sent to or delivered at the chosen *domicilium citandi et executandi*.

## **36. GENERAL AND MISCELLANEOUS**

### **36.1 Sole record of agreement**

This agreement constitutes the sole record of the agreement between the parties with regard to the subject matter hereof. No party shall be bound by any express or implied term, representation, warranty, promise or the like not recorded herein.

### **36.2 No amendment except in writing**

No addition to, variation of or agreed cancellation of this agreement shall be of any force or effect unless in writing and signed by or on behalf of the parties. Any alleged waiver of this requirement must itself be reduced to writing and signed by the relevant party to be of any effect.

### **36.3 Waivers**

No relaxation or indulgence which any party may grant to any other shall constitute a waiver of the rights of that party and shall not preclude that party from exercising any rights which may have arisen in the past or which might arise in future.

**36.4 Survival of obligations**

Any provision of this agreement which contemplates performance or observance subsequent to any termination or expiration of this agreement shall survive any termination or expiration of this agreement and continue in full force and effect.

**36.5 Approvals and consents**

An approval or consent given by a party under this agreement shall only be valid if in writing and shall not relieve the other party from the responsibility of complying with the requirements of this agreement nor shall it be construed as a waiver of any rights under this agreement, except as and to the extent otherwise expressly provided in such approval or consent, or elsewhere in this agreement. Any alleged waiver of the requirement that the approval or consent must be in writing must itself be reduced to writing and signed by the relevant party to be of any effect.

**37. EXECUTION**

37.1 This agreement may be executed in several counterparts, which shall each be deemed an original, but all of which shall constitute one and the same instrument. A facsimile shall constitute a valid counterpart for all purposes hereunder.

37.2 The signatories to this agreement, by their signature, warrant their authority to enter into this agreement and the capacity of their principal, if signing in a representative capacity, to enter into this agreement.

Signed at ..... on this ..... day of ..... 20.....

Witnesses:

1. ....

2. ....

**For and on behalf of the City of  
Tshwane Metropolitan  
Municipality  
(duly represented by Mr Johann  
Mettler)**

Signed at ..... on this ..... day of ..... 20.....

Witnesses:

1. ....
2. ....

For and on behalf of

\_\_\_\_\_  
\_\_\_\_\_

**(duly represented by**

\_\_\_\_\_  
\_\_\_\_\_ )

**ANNEXURE A**

**RESOLUTION OF THE BOARD**

Resolution by the board of directors of \_\_\_\_\_  
(the "company") made at a meeting held at \_\_\_\_\_ on  
\_\_\_\_\_ 20\_\_.

**NOTED: THAT** \_\_\_\_\_ intends to enter into an agreement with the City of Tshwane Metropolitan Municipality in terms of which the company shall provide various services (the "agreement") on the terms and subject to the conditions of the agreement to which this resolution is attached as Annexure A.

**RESOLVED:**

**THAT** the company approves and enters into the agreement on the terms and subject to the conditions of the agreement to which this resolution is attached.

**THAT** \_\_\_\_\_ in his/her capacity as a \_\_\_\_\_ of the company, be and is hereby authorised to negotiate, settle and sign the agreement attached hereto, and to sign all documentation and do all things necessary to give effect to the aforesaid resolutions on behalf of the company.

\_\_\_\_\_  
**Read and confirmed**

**CHAIRPERSON/COMPANY SECRETARY**

**ANNEXURE B**  
**SCOPE OF WORK AND DELIVERABLES**

**ANNEXURE C**  
**PAYMENT TERMS**