

TENDER BRIEFING

TRANSNET



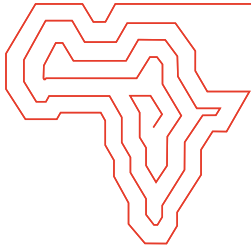
TNPA/2024/09/0008/77376/RFQ

SUPPLY, DELIVERY, INSTALLATION, TESTING, AND COMMISSIONING OF
TWO (2) 11KV RING MAIN UNIT (RMU) FOR TRANSNET NATIONAL PORTS
AUTHORITY- PORT OF RICHARDS BAY

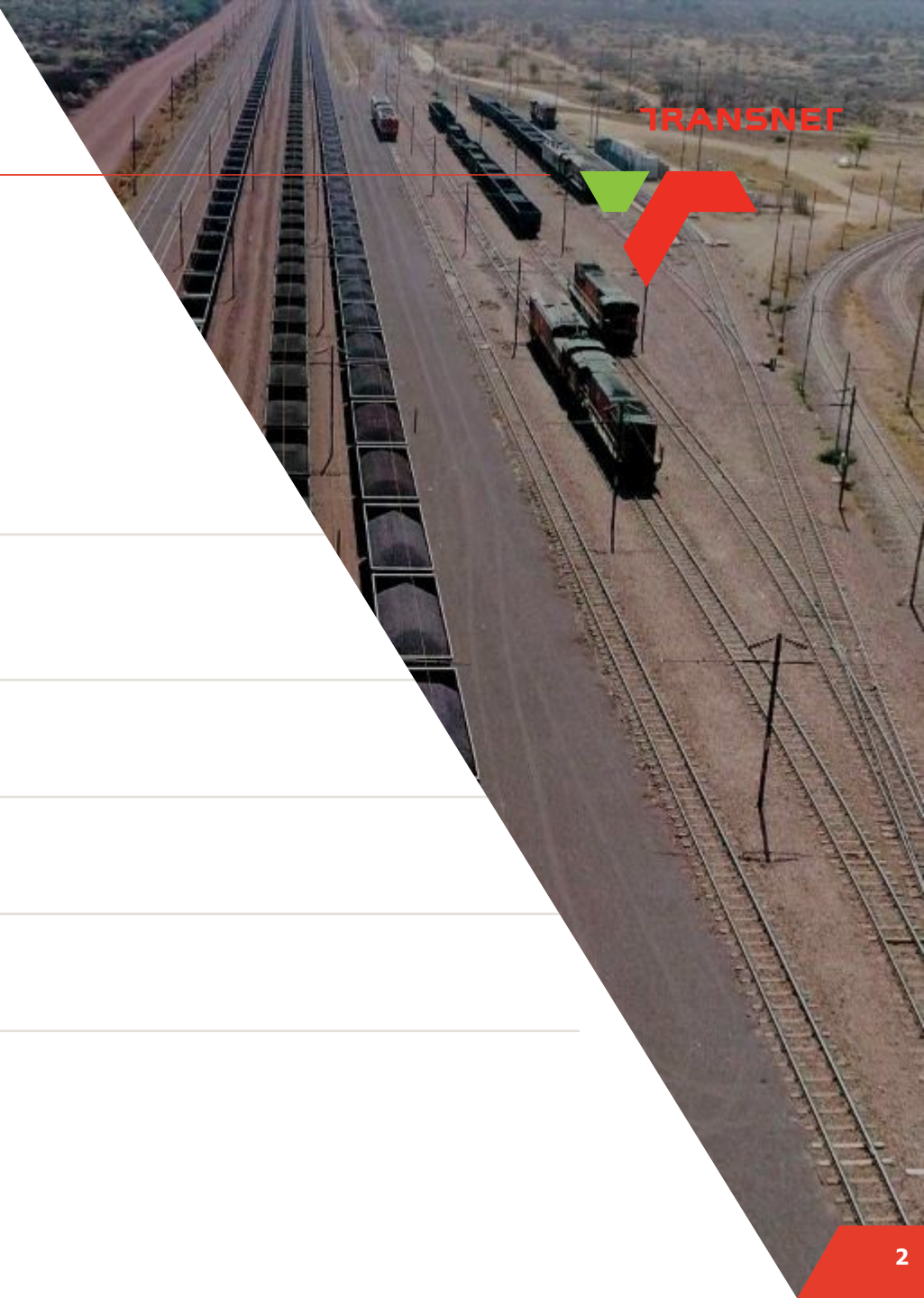
DATE: 07 NOVEMBER 2024

VENUE: EMPLOYEE CARE CENTRE

AGENDA



01	Welcome and Introduction	Kylie Naidoo
02	Safety Briefing	Sithsaba Qali
03	Project Overview	Sithsaba Qali
04	Tendering Procedures	Kylie Naidoo
05	Technical Evaluation Criteria	Sithsaba Qali



WELCOME AND INTRODUCTION



Transnet National Port Authority

Employee Care Centre (ECC), Ventura Road, Port of Richards Bay

PROJECT TEAM:

Kylie Naidoo

Sithsaba Qali

SAFETY BRIEFING



Please note the Following:

- No one is allowed to take pictures once in the Transnet premises without prior approval.
- All Administration building parking is reverse Parking for safety purposes.
- Please ensure that your cellphones are on silent mode in order not to disturb the presentation process.

PROJECT OVERVIEW



BACKGROUND:

The Port of Richards Bay 11kV power distribution electrical network has a closed-looped electrical distribution system known as a ring feed system. The network has three RMUs which were installed more than forty years ago, the RMUs have surpassed their design lifespan, their enclosures have deteriorated- they have holes and rust due to the humid environment. The poor state of these RMUs results to ingress of moisture, dust, and animals such as mice and snakes, therefore causing power supply failures.

RMUs are key components of the ring feeder network, they provide redundancy and reliability of the power supply. RMUs are used to ensure power distribution is not interrupted, even in the event of a component failure or electrical faults. RMUs provide an alternative power supply route by switching power supply between two power sources in the ring feed system therefore ensuring continuous power supply, also minimizing downtime and disruptions. RMUs allow the maintenance team to isolate the fault and conduct repairs while power supply to load is not interrupted.



SCOPE OF WORKS:

The scope of work the contractor is to perform is over a duration of 12 months and covers the supply, delivery, installation, testing, and commissioning of two (2) Ring Main Units (RMUs) rated at 11kV, 21 kA, 630 A Busbar rating, and 95kV BIL- CCV Ring Main Unit enclosed in 304 stainless steel weatherproof outdoor enclosure in the Port of Richards Bay. The RMUs shall be equipped with modern digital technologies and intuitive online tools with capabilities such as automated & remote controlling, metering, condition monitoring, and fault detection.

RMU capabilities

1. Network management
 - Status Indication switches/breaker and earth switch
 - Remote operation of switch & breaker
 - MV broken conductor detection
2. Power management
 - MV & LV power measurement
 - Power quality measurement
 - MV voltage monitoring (VPIS, VDS, LPVT)
 - MV current measurement up to 0.5 accuracy class
3. Protection
 - For overcurrents & Earth faults through integrated protection relays
 - Direction fault detection for the network with distributed generation
 - Undervoltage & overvoltage detection
4. Condition monitoring
 - Thermal Monitoring of cable connection for conventional & RMUs equipped with RTU T300
 - Measurement of humidity & condensation cycles inside equipment & substation
 - Monitoring of the status of gas inside the tank
 - Door interlock alert for anti-intrusion inside substation /kiosk
 - PT100 transformer temperature monitoring



SCOPE OF WORKS:



Figure 1: Smart RMU

TENDERING PROCEDURES



This tender was advertised on **30 October 2024** on the following platforms:

- Transnet e-tenders portal
- National Treasury
- CIDB Website

A compulsory Tender briefing session : **07 November 2024**

The closing time for submission of tender offers is

- Time: **12h00pm** on the **18 November 2024**
- Location: The Transnet e-Tender Submission Portal: www.transnet.net
- Telephonic, telegraphic, facsimile or e-mailed tender offers will not be accepted.

TENDERING PROCEDURES



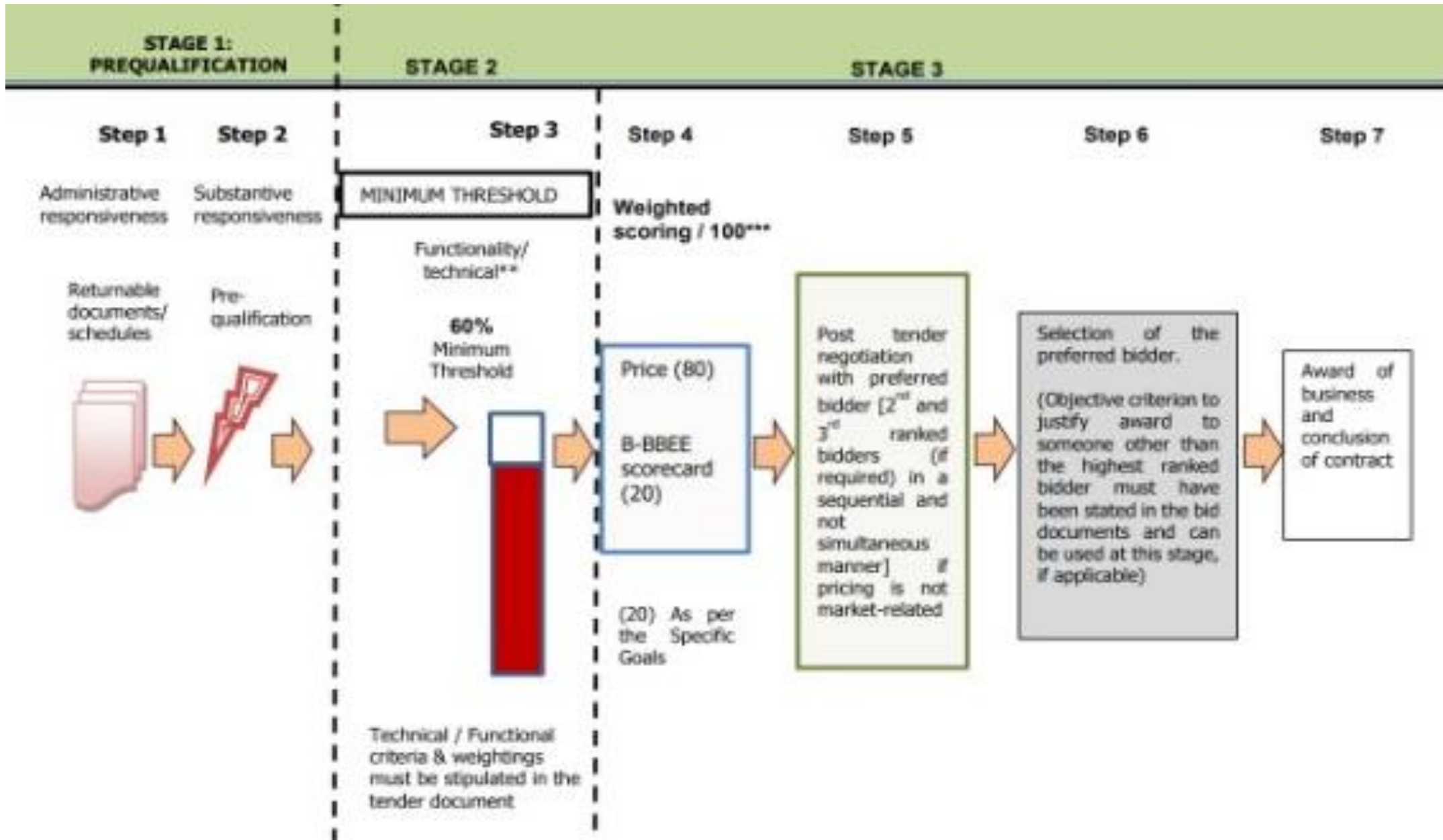
T1.2 Tender Data:

Tender offer validity period of **12 weeks** after the closing date;

The tenderer is required to submit all documents as stated in **C2.23 of the tender data** and the tender offer will only be accepted if the tenderer complies with **C3.13 of the tender data** such as :

- A valid Tax Clearance Certificate issued by the South African Revenue Services. Tenderers also to provide Transnet with a TCS PIN to verify Tenderers compliance status.
- A valid B-BBEE Certificate from a Verification Agency accredited by the South African Accreditation System [SANAS], or a sworn affidavit confirming annual turnover and level of black ownership in case of all EMEs and QSEs with 51% black ownership or more together with the tender;
- A valid CIDB certificate in the correct designated grading;
- Proof of registration on the Central Supplier Database;
- Letter of Good Standing with the Workmen's compensation fund by the tendering entity or separate Letters of Good Standing from all members of a newly constituted JV.

TENDERING PROCEDURES



TENDERING PROCEDURES



Only those tenderers who satisfy the following eligibility criteria are eligible to submit tenders:

Stage One - Eligibility with regards to attendance at the compulsory clarification meeting.

Stage Two - Eligibility in terms of the Construction Industry Development Board (2EP or higher).

Stage Three- Eligibility in terms of Technical Evaluation Pre-Qualification Criteria:

- The **Project Manager/ Site Supervisor** should at least have an N4 in electrical engineering and a trade test in electrical engineering.
- The **Electrician** should at least have an N2 in electrical engineering, a trade test in electrical engineering, and a three-phase wireman's license- from the Department of Labour (DOL).
- The **Assistant** should at least have a Grade 12 or N3 or equivalent qualification and a basic electrical safety knowledge/training certificate.

***Form of offer and acceptance as well as the BOQ need to be filled in.**

TENDERING PROCEDURES



Only those tenderers who satisfy the following eligibility criteria are eligible to submit tenders:

Stage Four - Functionality:

The minimum number of evaluation points for quality is **60** Tenderers who fail to meet the minimum qualification score for functionality/quality shall be eliminated from further evaluation.

TENDERING PROCEDURES



T2.2-04 **Evaluation Schedule:** Project Organogram, Management & CV's:

Key Personnel:

- Project Manager/Site Supervisor
- Electrician
- Assistant

1. Organizational structure:

The organizational chart/list is complete showing **site specific personnel, including their roles and responsibilities.**

2. The experience of assigned key persons in relation to the scope of work will be evaluated from two different points of view, namely:

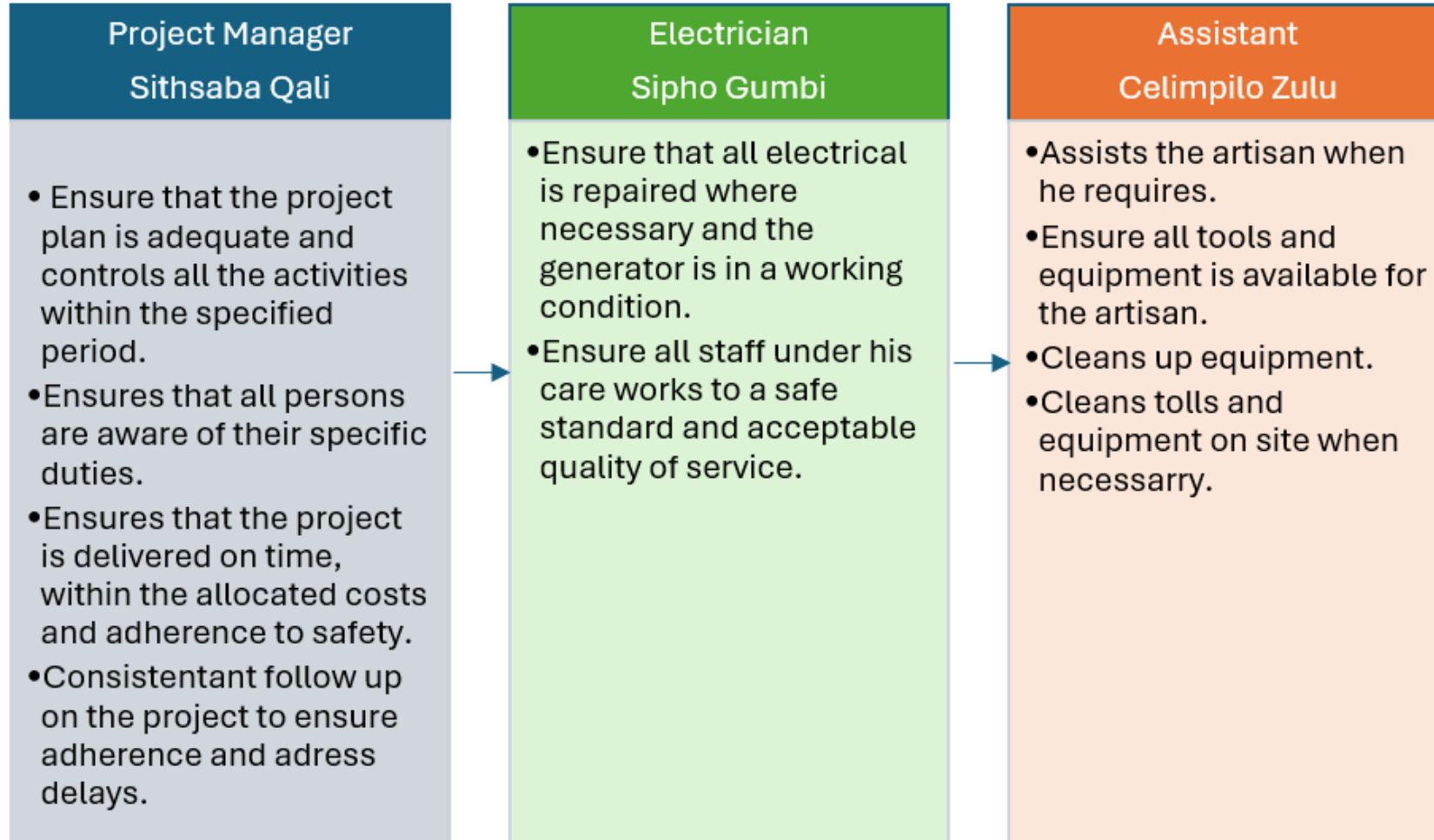
- The education, training, and skills of the assigned staff in the specific sector, field, subject, etc.- which is directly linked to the scope of work (**Proof of education and training must be attached**).
- Relevant experience (**Experience will only be evaluated if the required qualification is attached**).



TENDERING PROCEDURES

T2.2-04 **Evaluation Schedule:** Project Organogram, Management & CV's:

EXAMPLE:





T2.2-05 **Evaluation Schedule:** Method Statement:

A detailed method statement should cover the technical aspects of the project listed below:

- Provide a detailed description of the work to be carried out, including the scope, objectives, and deliverables of the project.
- Project schedule that defines key milestones and indicates activity durations for supply, delivery, installation, testing, and commissioning of RMUs.
- Describe the step-by-step procedures and methodologies to be followed during the execution of the project. It must include detailed instructions on how each task will be performed, including any technical specifications, standards, or regulations that need to be adhered to.
- Detailed risk assessment which identifies potential hazards and risks associated with the project and outlines the control measures to mitigate them. It must include safety precautions, emergency procedures, and any necessary personal protective equipment (PPE) required to ensure the safety of personnel and property.

TENDERING PROCEDURES



T2.2-05 **Evaluation Schedule:** Method Statement:

A detailed method statement should cover the technical aspects of the project listed below:

- A detailed list of equipment and the number thereof to execute the service, and the area it will be utilized.
- A site waste management plan that describes in detail the amount and type of waste from the installation of the project and how it will be reused, recycled, or disposed of.

TENDERING PROCEDURES



T2.2-06 **Evaluation Schedule:** Previous experience:

The *Contractor* must demonstrate their relevant experience in delivering projects/services of similar size and nature regarding the supply, delivery, installation, testing, and commissioning of RMUs as detailed in the Works Information by supplying the following:

Signed reference letters/completion certificates are to be provided as proof of previous experience, the following information should be present:

- Project description- detailed project scope describing the nature of work.
- Customer name and contact details.
- Contract value and duration.
- Project start and end dates.

PURCHASE ORDERS WILL NOT BE ACCEPTED

TENDERING PROCEDURES



Transnet Preferential Procurement Policy Specific Goals (20 Points)

Selected Specific Goal	Number of points allocated (80/20)
B-BBEE Level of contributor (1 or 2)	10
+50% Black Youth Owned Entities	10
Non-Compliant and/or B-BBEE Level 3-8 contributors	0

TENDERING PROCEDURES



Acceptable Evidence Required for Claiming Specific Goals

The following Table represents the evidence to be submitted for claiming preference points for applicable specific goals in a particular tender:

Specific Goals	Acceptable Evidence
B-BBEE Level of Contribution	B-BBEE Certificate / Sworn-Affidavit B-BBEE Certificate (in case of JV, a consolidate scorecard will be accept) as per DTIC guidelines
50% Black Youth Owned Entities	Certified copy of ID Documents of the Owners and B-BBEE Certificate / Affidavit (in case of JV, a consolidate scorecard will be accept)

TENDERING PROCEDURES



- All communications whether general, commercial or technical to go via Procurement, **Kylie Aidan Naidoo** (contact details in tender document).
- Please complete the attendance register with eligible and ensure that contact details are correctly recorded (as these contact details will be used to issue all clarifications and addendums if any).
- Last day for Clarification – **Five working days before the closing date (11 November 2024, 12:00pm).**
- **Tenders Documents to be legible**
- **All T2 Returnable documents must be signed off and submitted as part of the Tender Document**

To report any fraud, tip-offs anonymous: 0800 003 056 or transnet@tip-offs.com

QUESTIONS AND ANSWERS



TRANSNET



Thank you

