



**SUPPLY, DELIVERY AND WORKSHOP REPAIRS.
ROTATING MACHINES DEPOT (RM), 150 EEL ROAD,
UMBILO INDUSTRIAL, UMBILO.**

REFERENCE NO: FAI_DBN_SOW_003

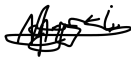
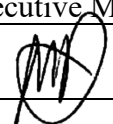
Revision : 00

Date of release: JUNE 2026

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DOCUMENT AUTHORITIES

Department	Facilities and Infrastructure
Department Affected	Rotating Machines
Effective Date	June 2026
Compiled by	Zolani Mngqithi
Designation	Engineering Technician
Signature & Date	 19.06.2026
Reviewed by	Khethu Nzuza
Designation	Engineering Technician
Signature & Date	 19.06.2026
Approved by	Mhlonipheni Nxumalo
Designation	Executive Manager
Signature & Date	 22/06/2026

1. INTRODUCTION

This specification is for the:

#	TASK	REQUIRED
1	Design of foundations	
2	Manufacture	
4	Foundations	
5	Supply	✓
6	Install / Fit	✓
7	Documentation	✓
8	Testing	
9	Training	
10	Repairs	✓

of the specified:

#	ITEM	REQUIRED
1	Supply, delivery and workshop repairs.	✓

2. SITE INSPECTION

- 2.1 All prospective contractors shall be required to undertake a compulsory site inspection to fully acquaint themselves with all aspects involved.
- 2.2 The site inspection certificate shall be completed and countersigned by the Contract Manager on the day of the visit and must be submitted with the tender documents.

3. INFORMATION REQUIRED

- 3.1 Offers will not be considered unless full particulars and sufficient literature are provided at the tendering stage to enable Transnet Engineering Technical Officers the opportunity to assess each technical offer properly.
- 3.2 As prospective contractors are considered to be experts in their field, they are obliged to identify any shortcomings, such as omissions or sub-standard requirements, to the completeness of this specification. These must be brought to the attention of Transnet Engineering at tender stage with alternatives to address these shortcomings. However, each offer shall be quoted for separately.

4. TECHNICAL REQUIREMENTS

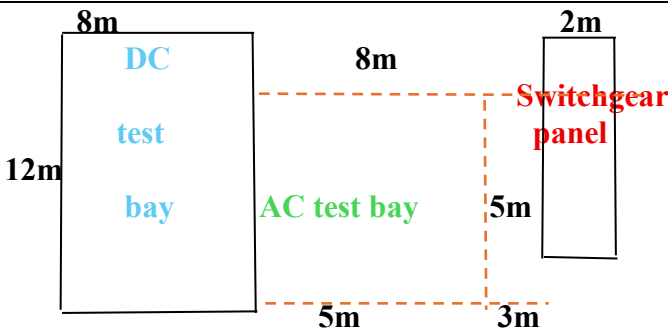
The following regulation and codes must be complied with:-

- The Occupational Health and Safety Act – Act 85 of 1993.
- SANS 10142-1 — The Wiring of Premises – Part 1: Low-voltage installations.
- SANS 10400-J – Floors

5. SPECIFIC REQUIREMENTS

Any person with the intention of tendering shall ensure that the information below is complied with. The specification requirements below are binding and must be complied with.

5.1 The scope of work is as follows:

Item	Requirements
5.1.1	- Cut the steel plates to size to match / fully fit the concrete edges of trenches. - Supply and install 12mm thick steel plates to close cable trenches in the workshops. - Lengths and widths are as follows: a. 6m x 1.2m b. 3.7m x 1.2m c. 2.5m x 1.2m d. 2.5m x 1.2m e. 9.5m x 1.2m f. 2.7m x 1.2m
	Steel plates (Blowie's section) a. 4m x 1.2m b. 4m x 1.2m c. 5m x 1.2m d. 5m x 1.2m e. 3.3m x 1.2m f. 1.70m x 1.2m g. 2.4m x 1.2m h. 3.7m x 1.2m i. 7.5m x 1.2m
5.1.2	 Figure 1. - Figure 1 depicts the layout of DC test bay and AC test bay, inside the RM workshop. - The dust accumulate on bays equipment and work pieces. - The test bays shall be covered on top with the motorized enclosure / cover / roof.

Item	Requirements
5.1.3	- Supply, delivery, installation, testing and commissioning of motorized roof enclosures (2 off). The design of roofs shall be as depicted on illustration fig 2. - The dimensions for DC test bay are 12m x 8m, dimensions for AC test bay are 8m x 5m.  Figure 2. The panels, supports and other steel materials shall be made of 0.43mm mild steel, hot dipped galvanized (to SANS 121). The panels shall be painted in white colour. The contractor to quote for all components including door opener, brackets, guide rail, support brackets, pulleys, connecting arms, 3 remote controllers per roof, motors, etc. The motors shall be powered by 230v mains, backed up by 12v batteries in case of power failure. The design and installation of roof enclosures shall be such that when enclosures are opened on top, the crane will be able to carry the work pieces in and out of the test bays without damaging any parts of the enclosures. The enclosure components shall not block the movement of work pieces. The contractor to issue the certificate of compliance in accordance with SANA 10142.
5.1.4	<u>Repair of workshop</u> <u>Walls</u> - Scrape, remove loose wall material, prime with plaster primer (UC 56). - Paint the walls with 1000440 white paint (2 coats). - The wall dimensions are 50m x 9m and 47m x 9m and 23m x 9m. - The contractor to use the scaffolds to enhance safety, no ladders will be used to access high walls. <u>Windows</u> - Supply window frames, window glasses and do the fitting. - The window frame dimensions are 4.20m (l) x 2.8m (h), 4m (l) x 2.8m (h) and 4.4m (l) x 2.8m (h). - Supply and fit window glasses. Supply and fit 81 additional glasses (appr. 47cm x 31.2cm each).

Item	Requirements
	<u>Workshop entrance</u> - Remove damaged floor, dump at approved dumping site, submit dumping certificate. - Repair workshop entrance by casting concrete, 8m x 8m, 300mm depth 25MPA strength. - Submit concrete strength test certificate. - The contractor to remove, dump rubbish at approved dumping site and submit the dumping certificate.

5.2 Testing

- All prescribed tests shall be carried out on equipment as well as the testing or the installation before commissioning.
- Transnet also reserves the right to carry out any check tests on the equipment and installation.
- Notwithstanding the successful completion of tests, the contractor will still be responsible for the efficient operation of the equipment and the installation.

5.3 Commissioning

- A testing period of 1 month (744 hours for 24/7 shifts and 248 hours for 8 hour shifts).**
- No equipment will be accepted by Transnet without the satisfaction of the conditions above.**
- The contractor shall be fully responsible for any damage caused to all supplied equipment to Transnet Engineering's assets during the project.
- The supplier shall conduct a risk assessment as to identify anything that might hinder the installation of the required equipment.

5.4 Warranty

- The contractor shall undertake to repair all faults due to bad workmanship and/or below standard materials during a period of twelve calendar months, calculated from the date that the completed plant installation is accepted by Transnet Engineering.
- Any latent defects that become apparent during the guarantee period shall be rectified to the satisfaction of Transnet Engineering at the cost of the supplier.
- The workmanship and materials warranty shall be for 12 months.**

6. OTHER INFORMATION RELATED TO THE SCOPE

This specification states the minimum requirements relating to the work and in no way absolves the contractor from responsibility for sound ethical practice. Any omissions or sub-standard requirements of this specification must be brought to the attention of Transnet Engineering at tender stage and optional prices for addressing such omissions must be provided.

6.1 Any matter relating to this work, which requires a decision from Transnet Engineering shall be presented to the Project Manager in charge.

6.2 All offers shall be completed in every respect with this specification. Only completed tenders shall be considered

- 6.3 The Technical Officer reserves the right to have the proposal checked independently by a third party.
- 6.4 Tenders must allow for monthly progress and clarification meetings on site initially and after commissioning for defect meetings when required. A meeting will be held after issuing of the tender to establish the exact scope and magnitude of the contract. No tender will be considered unless it has this Certificate signed by the Engineer or his representative.

7. HEALTH AND SAFETY REQUIREMENTS

- 7.1 All repair work whether detailed in this scope of work or not shall comply with the requirements of the Occupational Health and Safety Act 85 of 1993 as amended and all other applicable legislation including specific set of regulations and local authority bylaws where applicable.
- 7.2 All the necessary safety equipment such as guards over rotating equipment shall be supplied and the equipment shall comply fully with all the requirements of the South African Occupational Health and Safety Act, Act 85 of 1993 and all other applicable legislation including specific set of regulations and local authority bylaws where applicable.

At all times during the works, the contractor will be responsible for the safety of all persons on site and the equipment.

7.3 SHE SPECIFICATION

Prior to commencement of contract, the contractor shall be issued with a SHE specification in order to compile a SHE file in line with TE requirements.

Prior to establishing on site, it is an explicit requirement of this contract that all of the Contractor's personnel directly involved with this contract, including those of sub-contractors, attend a **Safety induction course**.

Transnet will provide the course free of charge and attendance is compulsory for all personnel under the control of the Contractor who, during the duration of the contract, will be present on site whether on a full time or adhoc basis.

The contractor must allow for all additional charges because of these requirements as no claims for extras will be accepted in connection with the foregoing.

7.4 As part of the legislative and TE SHE requirements.

The successful contractor is required to conduct a Risk assessment to ascertain all potential risks associated with this project. The completed risk assessment is to be formally submitted to the Risk department via the project manager at least two weeks prior to the commencement of the actual project. A safety file and associated documents will be required from a successful tenderer and such will be communicated by the risk department.

8. SPECIALIST SUB-CONTRACTORS

- 8.1 Only specialist sub-contractors who have previously successfully completed work of the type and extent specified in this document should be engaged.

- 8.2 The tender shall submit a complete list of proposed sub-contractors and suppliers of major components with his tender.
- 8.3 The tenderer shall be prepared to commit themselves in writing to the technical officer with an adequate, experienced and stable project team for the duration of the contract.
- 8.4 Transnet Engineering will not consider any Tenderer's offer that, in the sole opinion of Transnet Engineering, does not have adequate experience of doing work that is detailed as the scope of work.
- 8.5 Contractors shall do the installation simultaneously with other contractors on-site busy with other work and shall plan work that it integrates with other work performed.

9. GENERAL REQUIREMENTS

Operation will be in the following conditions:

Altitude	Sea level
Ambient temperature	0°C to 45°C
Relative humidity	50% to 100%
Atmosphere	Heavy saline

- 9.1 Tenderers shall indicate clause-by-clause either that they comply in every respect with the specific requirements, or if not, exactly how it differs.

10. DEFINITIONS AND ABBREVIATIONS

CLIENT	Transnet Engineering Durban
TECHNICAL OFFICER	Project Manager, Transnet Engineering Durban
CONTRACTOR	Contractor appointed under this specification document
SABS	South African Bureau of Standards

11. SITE ESTABLISHMENT

- 11.1 The contractor shall be solely responsible for safety of his staff and for providing security to safeguard his works and material on site, until such a time.
- 11.2 The contractor shall be required to attend site meetings when convened by the Project Leader controlling the contract.
- 11.3 The contractor shall be responsible for any damages caused by his staff to the building and civil works on site.

12. PENALTIES

- 12.1 Due to the criticality of this project, penalties will be levied for late deliveries.