
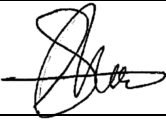






TE-IMS-PEMM ASSETS KDS-SPEC-416

Description: **Specification for repairing of palisade fence, installation of an entrance gate at Witbank Out-service yard, replacement of damaged ceiling and Opening of an arch within the kitchen of the in-service office building.**

Compiled By:	Sibusiso Bhembe		Date:	17/01/2025
Recommended By:	Simiso Zulu		Date:	17.01.2025
Approved by:	Chris Ramasunzi		Date:	24/02/2025
Risk:	Gawie Venter		Date:	17/01/2025
Local Business:	Wagons			
Location:	Witbank Wagons			



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1. Scope of Work

This specification requirement covers all the requirements that will be needed to inform the supplier/vendor/manufacture to carry out what is expected from him/her: The contract will be awarded as a turnkey project and the contractor will be responsible for all the work specified.

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

The Supplier shall supply all the labour, tools, material, equipment, consumables, facilities, testing and supervision required for the supply of the specified equipment at site during erection, pre-commissioning and commissioning activities.

2. Site Inspection

Tenderers must visit the site to familiarize themselves with all the aspects involved relating to the project that must be done. This must be arranged via the Contract Manager. The site inspection certificate will be counter-signed by the Contract Manager on day of the site visit. The tender documents must only be submitted if the site inspection certificate has been signed.

3. Information Required

Tenders shall be in duplicate and will not be considered if full particulars of all relevant equipment and works requested are not submitted at the tender stage, to ensure an objective assessment of the offer can be made. Tenderers shall confirm that the items that they are offering comply at a standard not less than the minimum required requirement asked for in the specifications. Tenderers must comply to these specifications, but alternative offers may, in addition, also be submitted. Such alternative offers must be fully motivated and substantiated.

4. Specific Requirements:

- Occupational Health & Safety Act (Act 85 of 1993) and its Regulations, as amended
- Adhere to the Construction Regulation
- Compensation of Occupational Injuries and Diseases Act (Act 130 of 1993) as amended
- Transnet Contractor Management Procedure (TRN-IMS-GRP-PROC 014)
- Transnet Engineering IMS Compliance Policy Statement
- The contractor shall undergo Safety, Health and Environmental **(SHE) Induction**, and be issued with Induction certificate and valid permits authorising him/her to enter Transnet premises for the duration of the contract.
- The contractor is required to produce an approved **Compliance File or SHE File** and **Site Instruction Book** on site at all **times**.
- All measurements and amounts must be stipulated in quote.
- Contractor's name board will at all times be visible.
- A supervisor will be on site at all times.
- Comply with Transnet Engineering Waste Management Standard.
- The correct PPE must be worn at all times. (Harnesses ropes, etc.)
- During and on completion of the project, there will be SHE inspections and Risk assessments done on the site that the supplier/vendor is working on, which will be reported to the project manager.
- Failure to comply will result in a stop certificate being issued and the supplier will be required to leave the site until the situation is rectified.
- All scaffolding used to be SANS approved.
- All employees who will be working at height to have medical fitness certificate and proof of competency training thereof.
- Valid letter of good standing with Compensation commissioner.

5. Technical Requirements:

All equipment and installation whether detailed in this specification or not shall comply with the requirements of the Occupational Health and Safety Act 85 of 1993 as amended. Sudden power losses will not have an adverse effect on equipment and shall not unduly delay return to operation after power is restored.

6. Codes of Practice, Regulations & Standards:

The tenderer shall specify which statutory or industry rules will be applied for the equipment to be working successfully and safely and shall indicate the designed life span.



7. Specific Requirements:

	REQUIRED	DETAILS OF OFFER Comply (Yes) / Do not comply (No)
	Specification for repairing of palisade fence, installation of an entrance gate at Witbank Out-service yard, replacement of damaged ceiling and Opening of an arch within the kitchen of the in-service office building.	
1.	Scope of work:	
1.1	Clear the area along the route for the repairs of the palisade fence.	
1.2	Supply and install new concrete palisade fence that are missing along the perimeter of the depot and repair all damaged steel palisade fence within the depot.	
1.3	Supply and install new rolling gates at the entrance on the western side of the depot.	
1.4	Break a wall in the kitchen to create an arc to access the office area in the In-service building.	
1.5	Repair roof leak and replace a damaged ceiling with the In-service building.	
1.6	Removal of all rubble generated.	
1.7	Testing and commissioning of new fence.	
2.	Site establishment	
2.1	It must be established what must be done in terms of, hiring of equipment on site.	
2.2	Site must be marked "RED and WHITE DANGER TAPE" taped for safety reasons.	
2.3	Site must be cleaned on daily at end of the day.	
3.	Steel palisade Fence:	
3.1	Replace all missing steel palisade fence from the one end of the existing steel palisade fence up to the other end of the existing steel palisade fence within depot. On this route there is a section where the fence shall be installed on top of the concrete wall along the rail line in this area.	



	REQUIRED	DETAILS OF OFFER Comply (Yes) / Do not comply (No)
3.2	Steel palisade fence shall be installed with a minimum distance of 3000mm away any rail line if it runs parallel with the rail line.	
3.3	All rail crossings shall be equipped with swing opening gates.	
4	Replacement of missing concrete palisade fence:	
4.1	Supply and install new concrete palisade fence on all openings within the entire length of the fence.	
4.2	The new concrete palisade fence shall be for high security.	
4.3	Fence Panels shall be 2.4 meter in height and must match with the existing fence.	
4.4	Panel horizontal wire thickness shall be minimum 3.15mm in diameter.	
4.5	Vertical wire diameter shall be minimum 4mm thick.	
4.6	Panel width of ± 2515 mm. (If wider panels are available please indicate the panel width).	
4.7	Panel shall have 4 horizontal ribs for added stability and rigidity.	
4.8	Each post shall be embedded to full depth in concrete in a foundation hole of at least 460mm x 460mm and a depth of 600mm	
4.9	Posts:	
4.9.1	Post length shall be 3000mm.	
4.9.2	Post shall be 60mm x 60mm x 2mm.	
4.9.3	All clamps, bolts, top caps and anchors shall be supplied.	
4.9.4	Posts shall be properly secured with concrete in ground.	
5	Rolling gates:	
5.1	All rolling gates shall be uniformed to the new fence.	
5.2	All rolling gates shall be placed at the entrance of the parking area. This shall be determined on site.	
5.3	Rolling gates shall have a minimum opening width of not less than 4000mm.	
5.4	All rolling gates shall be equipped with a locking device and lock with 3 sets of keys. Keys shall be handed over to the local business on day of	



	REQUIRED	DETAILS OF OFFER Comply (Yes) / Do not comply (No)
	commissioning.	
6	Replacement of ceiling and repairing of roof leakage in the In-service building	
6.1	Clean and repair all roof leakage in the tool store and kitchen facility. NB!! All damage roof sheets must be replaced with new roof sheets.	
6.2	Replace all damaged roof ceiling and cornices in the tool store and kitchen facility.	
6.3	Replace all damage roof trusses and branderies prior the installation of the ceiling	
6.4	Before work is performed technical details of the ceiling from supplier must be handed to Project Manager for approval in the tools store and kitchen building.	
6.5	All ceilings must be installed accordance with the current code to practice for an acoustical ceiling installation adopted by the South African building interior systems associated (sibisa) and the manufactures instructions.	
6.6	Repaint the whole ceiling with white colour paint throughout the buildings.	
6.7	Apply cornice glue to all cornices in the buildings to keep them fixed to the wall and ceiling.	
6.7	All damaged cornice during the installation of tiles must be replaced.	
7.	Guarantee:	
7.1	The supplier shall guarantee for a period 12 months preferable 24 months after successful commissioning of the	



	REQUIRED	DETAILS OF OFFER Comply (Yes) / Do not comply (No)
	repaired palisade fence and newly installed gate that all components, plant equipment and material are new and fit for the specific purpose which they are purchased, and free from any defects in design, workmanship and material, and are in strict accordance with the contract, unless otherwise agree in writing.	
7.2	The supplier shall agree to replace at his/her cost any defective items discovered within the guaranteed period.	
7.3	The supplier shall clearly stipulate the nature of the guarantee and how long it will take their maintenance staff to be on site. Transnet Engineering requires a response time of no more than 24 hours.	
7.4	Should the supplier fail, when called upon, to make good or remedy a defect (under guarantee or declared inherent) within a reasonable time, Transnet Engineering may affect the repair and thereafter recover from the supplier all cost and expenses associated with the supplier.	
8.	General:	
8.1	No gaps shall be allowed between any fence to fence or fence to gate.	
8.2	All work delivered shall be of a high standard.	
8.3	All material used for the mentioned fences, gates shall be SANS approved, first grade and new.	
8.4	All measurements shall be confirmed on site by bidders.	
8.5	All rubble generated during the process of installing the new fence and gates shall be disposed of by the contractor/supplier. Bidders to take note that no metal material shall be removed from site. Metal material stay on site and is the property of Transnet.	
9.	INSTALLATION AND COMMISSIONING	
9.1	As this project is "Turn-Key" the successful tenderer is responsible for all installation and commissioning. The complete project team and MPE responsible persons will participate in final commissioning.	

8. References:

Standard operating procedure for specification of contract work

9. Painting:

The supplier shall indicate the code of practice to which painting and surface preparation will conform to.

10. Quality Control:

The contractor shall provide a quality control plan with the tender indicating how quality will be assured.

11. Installation and Commissioning:

A detailed program (project-plan/gantt-chart) shall be submitted with the tender, indicating the main activities and periods necessary up to handover. The bidder shall submit with their tender a detail erection and installation procedure.

The contractor shall be fully responsible for any damage caused to all supplied equipment and to Transnet Engineering's assets during the installation, testing and commissioning. The supplier shall conduct a risk assessment as to identify anything that might hinder the installation of the equipment.

12. Guarantee:

The contractor shall guarantee for a period of 12 months minimum (preferably 24 months or more) after successful commissioning and free from any defects in design, workmanship and material, and are in accordance with the Contract, unless otherwise agreed in writing.

The Contractor shall agree to replace at his cost any defective items discovered within the guaranteed period.