





Description: Specification for erection of pit platforms at Phalaborwa locomotive workshop				
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Local Business:	Maintenance			
Location:	Phalaborwa			

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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:

ITEM NO.	REQUIREMENTS	DETAILS OF OFFER Comply (Yes) / Do not comply (No)
	Specification for erection of pit platforms at Phalaborwa locomotive workshop	
1.	Scope of work	
1.1	Install column base for the suspended steel walkway platforms as the below price schedule on page 9	
1.2	Erect existing platforms on the floor for locomotive repairs activities.	
1.3	Supply and install 30MPa concrete	
1.4	Supply and install 600 long M20 HD Bolt with 100x100x10 for the installation of the platforms	
1.5	Documentation	
1.6	Testing and Commissioning	
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.	
2.4	All rubble must be removed from site on daily basis.	
3.	Documentations	
3.1	Documentation on day of testing and commissioning	



ITEM NO.	REQUIREMENTS	DETAILS OF OFFER Comply (Yes) / Do not comply (No)
3.2	<ul style="list-style-type: none"> • All material certificates. • Concrete test results after casting 	
4.	General	
4.1	All material used shall be SANS approved, A-grade first class.	
4.2	All work delivered shall be of a high standard.	
4.3	All rubble shall be removed on a daily base.	
5.	Guarantee	
5.1	The supplier shall guarantee for a period 12 months after successful commissioning of the installed column base 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.	
5.2	The supplier shall agree to replace at his/her cost any defective items discovered within the guaranteed period.	
5.3	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 3 hours.	
5.4	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.	
6.	TESTING AND COMMISING	
6.1	As this project is "Turn-Key" the successful tenderer is responsible for the installations and commissioning. The complete project team and PEMM responsible	



ITEM NO.	REQUIREMENTS	DETAILS OF OFFER Comply (Yes) / Do not comply (No)
	persons will participate in final commissioning.	
7.	Deviation	
7.1	Note: Any deviation or non-compliance from the specification, the supplier must fix it at no additional cost.	

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.

13. Activity Schedule

THE DESIGN/ BUILD OF WORKSPACE AND WALKWAY ON BOTH SIDES OF WORK PIT AND PERFORMING MODIFICATIONS TO LOCO WORK PIT DEPTH AT PHALABORWA					
QOUTATION FOR COLUMNS OF SUSPENDED STEEL WALKWAY PLATFORMS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
1	FORMWORK				
1,1	Column base	m ²	9		
1,2	Columns	m ²	16		
2	BASE				
2,1	Supply and install 30MPa concrete	m ³	2		
3	COLUMN				
3,1	Supply and install 30MPa concrete	m ³	4		
4	BOLT				
4,1	600 long M20 HD Bolt with 100x100x10 plate	No	80		
5	EPOXY				
5,1	Balustrade Sikadur AP Epoxy	Litre	10		
TOTAL CARRIED FORWARD TO SUMMARY					