

## MONTHLY RAIL MAINTENANCE SCOPE

Tender no:

Revision<sup>1</sup>: 0.0

Revised date:

NAME	TITLE	Empl. no	SIGNATURE	DATE
<b>COMPILED BY</b>				
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## Background and Present Situation

Presently the rail maintenance is being done on a contract basis by placing monthly orders with the contracted company to do the monthly rail maintenance, report on findings and assist with de-railment of wagons & locomotives.

## Legislation, Standards and Codes of Practice

Latest revisions or amendments of the listed codes and specification are applicable to this contract:

Number	Title / Description	Revision
	Occupational Health and Safety Act – Act 85 of 1993	Latest
	ISO 9000 – Quality System Series	Latest
	SABS 1200 (All relevant specifications)	Latest
	National Environmental Management Act 107 of 1998	Latest
	Waste Management Act	Latest
	National Railway Safety Regulator Act, 2002 (Act No.16 of 2002) as amended."	Latest
	SANS 3000-2-1 Railway safety management–Part 2-1:Technical requirements for engineering and operational standards – General.	Latest
	SANS 3000-2-2, Railway safety management – Part 2-2: Technical requirements for engineering and operational standards – Track, civil and electrical infrastructure.	Latest
	SANS 3000-2-3	Latest
	SANS 3000-2-4	Latest

All work listed in this scope of work shall be completed in accordance with the specifications and codes as listed above. It is the responsibility of the Tenderer to be in possession of the latest standards and codes as listed above in the execution of this project.

## Foskor Specifications

All work listed in this scope of work shall be completed in accordance with the specifications listed below.

Number	Title / Description	Revision
FC016	General Road Works	Latest

FG001	General requirements for Projects	Latest
COP 6	Contractor Management	2009

It is the responsibility of the Tenderer to be in possession of the latest standards and codes as listed above in the execution of this project.

In the event of contradiction on the specification between Paragraph 2 and 3, the most stringent specification must take precedence.

## Project Requirements

- The Contractor will be responsible for the maintenance & repairs of the rail lines & components.
- The contractor to operate own premises which are within a 30km radius in order to be able to respond to emergencies as soon as possible.
- Supply a list of references where projects of similar nature have been performed.

## Plant Data

All work listed in the document will be conducted at

Foskor (PTY) LTD – RICHARDS BAY DIVISION,  
21 JOHN ROSS PARKWAY,  
RICHARDS BAY,  
3900  
SOUTH AFRICA

## Drawings

The following drawing and data remain the property of Foskor and shall be returned to Foskor on completion of the work.

Drawing No.	Title / Description	Revision
DA BBB0948	Richards Bay Private Siding No. 647225	Rev. 2

All work listed in this scope of work shall be completed in accordance with the latest copies of drawings as listed above. It is the responsibility of the tenderer to ensure that the tenderer has the latest copies of drawings as listed above for the execution of this project.

On completion of the project the contractor must certify all documentation and drawings for correctness and conformance to the OHS Act.

**Supplied Services****7.1. Foskor Supplied Services**

Foskor shall be responsible for:

- i. Supply of scaffold, crange, rigging and lifting equipment necessary as required by the Contractor.
- ii. Supply a copy of the Foskor Procedure Specifications.
- iii. Supply a copy of reference drawings and equipment instruction manuals.
- iv. Electricity, Water and suitable area for site establishment as required by the Contractor.
- v. Assisting in issuing of work clearances and HIRA certificates.
- vi. Scrap bins where and when required.

**7.2. Contractor Responsibilities**

The contractor shall be responsible for:

- i The supply of his own labour, supervision, specialized manpower and competent staff to fulfill the scope of work.
- ii The supply of tools and specialized equipment, consumables and site establishment to fulfill the scope of work. Foskor will not be held responsible for any losses to the Contractor's equipment.
- iii All temporary lighting necessary to complete the work.
- iv All equipment, tools, personal protective equipment (PPE) etc. that the Contractor will bring to Foskor, will be subjected to review and approval by Foskor and shall conform to Foskor procedures.

**Scope of Work**

This scope entails the inspection and repairs to defects noticed in Foskor private sidings from Set 1 to Set 28 according to SANS 3000-2-1, SANS 3000-2-2, SANS 3000-2-3 and SANS 3000-2-4 and all application standard requirement(s)

**8.1. Description of work:**

1. Check and lubricate all turnout from Set 1 to Set 28
2. Check if all bolts on the fish plates are fastened and tightened.
3. Check if all bolts on the turn out are fastened
4. Check turnout switch blades at nose to close enough and properly.
5. Check linkages and all rods and split pins to be opened
6. Check condition of sleepers
7. Check clearance mark is painted and clearly visible and re-paint where necessary
8. Check chains and lock on turnouts.
9. Check sign boards if in right places according to standards, straighten if necessary.
10. Check turnout numbers for visibility and repaint if necessary.
11. Check rails for rust and report defects.
12. Check that rails are above ballast and springs are visible.

13. Check stop blocks for visibility, replace if damaged.
14. Re-grease all heel blocks on a monthly basis.
15. Lift and pack visible slack on all rail lines.
16. Check all turnouts and reset if necessary.
17. Report to all non-compliances to the responsible person immediately in writing and keep record for the duration of this contract.
18. Analyze Transnet siding report(s) and recommend compliance scope of work to Foskor, Richards Bay

**NB: The Contractor need to respond to all callouts and emergencies as soon as possible, and be available (24 hours) per day with their full crew to assist with any derailments at Foskor's siding, and assist Spoornet to uplift any tanker, locomotive or wagon onto the tracks. Thereafter emergency repairs need to be done to enable normal operation.**

All work to be completed by the Contractor and will be inspected and approved by Foskor. It is the contractor's responsibility to ensure that all work is reviewed by Foskor.

The tenderers must take note of the following and make allowance for it in their lump sum price:

- a. Site conditions
- b. Weather conditions
- c. Occupational health & safety requirements
- d. Quality requirement.

## 8.2. Site conditions:

- Site work installation must be arranged with the Materials Handling department, however, delays & cancellations may occur.
- Site work installation may be restricted during inclement weather.

## Quality Management

The Contractor must:

1. Comply with Foskor's COP 6 (Contractor Control) and all applicable COP's for rail facility.
2. Comply with the OHS Act, especially Section 37(2) and sign the Section 37(2) agreement at the Safety department.
3. Submit a SHREQ plan to the Safety Department for approval prior to commencement of any work on site.
4. Comply with all other applicable legislation.
5. Access control requirements must be met which includes amongst others:
  - i. Medicals by Foskor approved medical practitioner
  - ii. Induction including site specific induction
  - iii. PPE
  - iv. Valid access cards
  - v. WCA
6. H.I.R.A. and clearance certificates to be obtained from the Process Departments on site at an agreed time daily before any work can commence – close communication needs to be followed through to prevent unnecessary delays.

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7. The uses of reflective vests are compulsory in the rail yard.