



ANNEXURE A - SCOPE OF WORK

SUPPLY AND DELIVERY OF A WATER TREATMENT PLANT [REVERSE OSMOSIS] AT LOOP 10 ON THE IRON ORE LINE ON A ONCE OFF REQUIRED BASIS

1. Project specifications

Inspections: Will be done by TFR Project Manager and report will be available for action to be taken

2. Testing

All work must be done to the satisfaction of Transnet site inspector

3. Delivering the Goods

Site at Loop 10 Iron Ore Line. Approximate 700 km from Bellville [400km tar and 300km Gravel]

4. Training of Staff

Supplier must make provision for training of TFR staff at Halfweg (Loop 10)

5. Duration of the Contract

Delivery and commissioning within 8 weeks of award

6. Penalties

A penalty for late completion of R5 000.00 per calendar day will be charged

7. Guarantee

All workmanship and equipment shall be guaranteed for a period of 1 year, from the date of completion of work

8. Inspection of works

Work shall be inspected on a regularly basis as determined by the Project Manager

9. Site records

For the Project Manager

10. Programme & Planning of the work

Delivery within 1 month of award

11. Electricity supply

- Electricity will be made available to the Contractor. The contractor must adhere to the safety standards as per the General Safety Regulations, Electrical Machine Regulations, Electrical Installation Regulations of the Health and Safety Act, (Act 85 of 1993) and SANS 10142
- A Compliance Certificate must be handed to Transnet Freight Rail if any electrical Installation



12. **Access to site**

- The areas are restricted [Iron Ore Line Loop 10] and the contractor must ensure he complies with the regulations of Transnet Freight Rail in every way. Contractor and/or any sub-contractors shall be given access by the Project Manager
- A list of workmen shall be given to the manager to arrange for the necessary approval

13. **Materials found on site**
 The Contractor shall not use or works on any materials found on the site without the prior written consent of the manager

14. **Clearing of site**
 Upon completion the Contractor shall clear away and remove all rubbish, unused material, plant and debris and leave the site and the whole of the works clean and tidy to the satisfaction of the P/Manager

15. **Working outside normal working hours**
 Normal working hours are between 07:30 and 16:00 Mondays to Fridays. If it is required to work outside the stated normal working hours the Contractor must obtain approval from the Project Manager

16. **Escalation**
 No escalation will be allowed over the contract period

17. **Payment**
 When a claim is forwarded for payment an invoice of material purchased for specific job must be added with invoice

18. **Act 85**
 The contractor shall comply with the Occupational Health & Safety Act, 1993 (Act 85 of 1993)

19. **Damages to property**
 The successful Tenderer shall take adequate precautions against damage to existing assets during the course of the contract

20. **GENERAL**

- Special care is to be taken upon entering Transnet property because of the operational movement of trains, cranes, vehicles and staff. Before work can commence W Rogotta [083 452 6778] or Site Supervisor is to be contacted so that arrangements can be made for access to the sites. This is for the safety of the workers
- Left over material, rubble and electrical equipment stripped by the contractor are to be removed from site
- The premises shall be left perfectly clean after completion of the work, before payment will be made.
- Contractor will supply all equipment and material



- The contractor shall include for the proper completion of the work as described and shall allow for all cost incurred
- All Electrical work/repairs to be done by a Qualified Registered Electrician and a COC issued free of charge
- If TFR Representative is not satisfied with workmanship or quality of work the Contractor must rectify on own cost
- Membranes, dosing and anti-scalant produce equipment to be locally available
- Site Preparation will be done by TFR and will be a Concrete slab from cement sleepers
- Accommodation will be arranged on site for the Contractors at no charge which include breakfast, lunch and supper
- Permit driving on TFR roads will be arranged for the Contractor, cost R200.00
- Guarantees to be included
- Recovery rate of water % to be indicated
- Water tests attached as part of designing of WTP