Transnet Port Terminals

Scope of Work

DESCRIPTION: INSTALLATION OF PUMPS AT DURBAN MULTI PURPOSE TERMINAL FOR TRANSNET PORT TERMINALS, OPERATING DIVISION OF TRANSNET SOC Ltd (Reg. 1990/000900/30)

1. INTRODUCTION

Transnet Port Terminal is an operating division of Transnet SOC Limited. It offers terminal cargo handling service in sea freight transport of imports, exports and transshipment of commodities in the three key sectors of the South African commodity market i.e. Containers, Mineral bulk Agricultural bulk and RORO. The division operates in seven South African commercial ports; that is, Richards Bay, Durban, East London, Port Elizabeth, Ngqura, Cape town and Saldahna. Transnet Port Terminal has reviewed its strategy to include a Global Strategy; the objectives of the strategy are to expand its footprint and service offering into Africa.

Engineering Department within Transnet Port Terminal is looking to appoint an experienced and qualified contractor to supply and install pumps at the Port of Durban, RORO Terminal.

2. SCOPE OF WORKS SPECIFICATION

2.1 Preparations

- All drains must be cleaned.
- All sumps must be cleaned.
- Waste disposal certificates must be provided on completion.
- Sludge must be removed from all drains, pipes, and sumps. Pumps are to be serviced before reinstalling them.

2.2 Oil Separator

- Service and repair Mono Pump C41M 0004A
- Replace pump motor.
- Replace suction pipe float skimmer mechanism with strainer.
- Replace non return valve pipe clamps (Heavy duty clamps required)
- Mount the suction pipe in the position.
- Install electric float switch with cable.
- Replace waste flow meter. Flow meter to be calibrated and certificate to be provided on completion.
- Including auto and manual switch.
- Repair electric panel.

2.3 Oil separator awning

- Supply and install aluminum white awning 0,8m thick IBR sheets. The size of the awning is 6m(L) X 5m(W) as per site meeting.
- The aluminum awning roof sheets and side cladding are to be secured on every top flute (corrugation) with self-drilling text screws with roof washers and sealed with white silicone sealer.
- The side cladding is to be installed on the power box side of the awning ±200mm off the ground in aluminum white IBR 0,8mm thick sheets. The side cladding is to be installed onto the X2ea posts of the awning on the lip channel 155mm X 50mm galvanized and powder coated white as per site meeting.
- The posts are to be 100mm X 100mm square tubing galvanized and powder coated white. The awning is to have X4ea posts and X2ea of the X4 posts to also be secured to the concrete wall for stability of the roof and in concrete like the rest of the posts.
- The posts of the awning are to be 600mm in concrete in the ground with 25mpa concrete. Due to the heavy winds.
- The lip channel is to be 155mm X 50mm galvanized and powder coated white for awning roof.
- The awning is to have aluminum profile box gutters all around.
- The gutter outlets are to be installed either end of the lean-to awning with PVC down pipes.

- The lower side of the awning is to be away from the workshop.
- The height of the awning lip is: Front side = ±3,500m
  : Back side = ±3,650m

2.4 Hauler Service Pits

- Service and repair pump
- Install strainer on the suction of the pump
- Replace electric float switch
- Replace electric auto and manual switch.
- Install non return valve on the waste pipe.
- Install pump for used oil disposal with electric switch. Pump must be mounted on the wall with waste pipe connected on the pump to the used oil drums.

2.5 Reach stacker service pits

- Service and repair pump
- Replace electric float switch.
- Install strainer on the suction of the pump.

3 ADDITIONAL INFORMATION REQUIRED

3.1 Only SANS/SABS approved materials to be utilized.
3.2 Guarantee: The service provider is to provide a minimum 12-month guarantee on the quality and workmanship.
3.3 All bidders must attend a compulsory briefing session and bidder who did not attend a briefing session will be disqualified.

4 PRICING CONSIDERATION

The bidder must include the following cost implications in their quote:
4.1 All costs relating to obtaining an approved safety file from the SHEQ department.
4.2 The service provider is to quote on all items as listed in section 2.
4.3 All costs relating to the equipment hire, machinery, professional service, etc. are to be included in the bidder's quote for the success of this project.

5 SAFETY

The following safety procedures together with the terminal standard operating conditions are always to be adhered to. No exceptions will be tolerated.
5.1 All personnel reporting to the terminal must come in full personal protective equipment gear (safety vest, hard hat and safety shoes).
5.2 Vehicles used to be fitted with rotating flashing light and proper company signage when accessing the terminal.
5.3 Only certified or competent technical personnel are required to operate electrical machinery.
5.4 All TPT owned equipment, or property needs to be signed off by TPT representatives before exiting the terminal.
5.5 Terminal provides mess and ablution facilities and must always be kept clean.
5.6 No discipline irregularities will be condoned. Offenders will be requested to leave the terminal immediately pending a full investigation.
5.7 Notification of arrival will be mandatory.

6 QUALITY REQUIREMENTS

The awarded Service provider is to adhere to the below Employer Specifications where applicable.

6.1 EEAM-Q-006 - Structural steelwork
6.2 EEAM-Q-008 - Corrosion protection
6.3 EEAM-Q-009 - Quality Management
6.4 EEAM-Q-013 - Commissioning and hand over Rev1
6.5 BS 5493 - Code of practice for protective coating of iron and steel structures against corrosion
6.6 SANS 136 ISO metric precision hexagon-head bolts and screws, and hexagon nuts (coarse thread medium fit series)

7 OPERATING HOURS

The Durban BBC Terminals operate 24 hours a day. The infrastructure maintenance team mainly works a day shift (07h00 – 15h30) and all work should be done during this period.
Any work requiring irregular hours should be communicated timeously to a TPT representative and required approvals obtained.

8 ACCESS PERMIT

Site meeting: All suppliers are required to bring with them the following to apply for the required permit.

- Permits must be done prior to the site briefing. This is done by sending an email to TPT permit office (**tptdrtsecuritysupervisors@transnet.net**) stating the reason for entry, full name and ID number for personal entering the port. Once at the terminal you will need to collect a physical permit note from the permit office. This note will the allow you to enter the terminal.
- Hardcopy of RFQ
- Proof of identification for all service providers attending.
- Letter from the relevant company stating the names and surnames of the service provider requesting access and reason for access.
- Minimum PPE, safety vest, hard hat and safety shoes. Failing to come with the correct PPE will not be allowed into the terminal for the site briefing.
- Suppliers are advised to bring any/all required measuring tools for proper costing

9 CONDUCTING THE WORK

In order to acquire access permits for conducting work, external contractors will need to attend safety induction (valid for a year) and obtain an approved safety file before any work can commence. There after the appointed bidder will need to request a work permit to our Security department to gain access into the terminal. For vehicles access, all vehicles are required to have a company sign and are evolving light and access will be obtained at the security office.

10 SITE FACILITIES

No provision has been made for the site facilities. Security of the service providers tools, material and machinery remain his responsibility of the service provider to provide his own scaffolding, ladders etc. wherever necessary and /or required for the completion of the work.