Transnet Port Terminals

Scope of Work

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

	Name	Designation	Signature	Date
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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 fire suppression system at the Port of Durban, RORO Terminal.

2. SCOPE OF WORKS SPECIFICATION

2.1 Fire suppression system at MPT and Rail Substation

2.1.1 Supply and install (1) one fire gas control panel outside each room (EN54 approved) in an IP65 rated window front enclosure.
2.1.2 Supply and install one red bell and a sounder beacon outside each room.
2.1.3 Supply and install one red sounder inside each room.
2.1.4 Supply and install smoke detectors into each room for double knock configuration.
2.1.5 Supply one red emergency call point at each of the exit doors.
2.1.6 Supply and install Inergen fire suppression cylinder, mounted inside each room.
2.1.7 Schedule 40 piping & 300lbs fittings.
2.1.8 Supply and install interface to shutdown air conditioners.
2.1.9 The system will be wired using fire resistant (Enhanced cable PH30) type cables and galvanized conduits where cables are exposed with metal saddles.
2.1.10 Conduct room integrity test at both substations.
2.1.11 Train all required staff.
2.1.12 Supply and install one logbook for system records as per SANS10139.
2.1.13 On completion supply an installation and commissioning certificate with handover manual.
2.1.14 Test and commission.
2.1.15 Remove existing Co2 suppression system where applicable.

The above will apply to the following rooms:

Rail Terminal substation
- Transformer bay 1
- Transformer bay 2
- Switchgear room

MPT substation
- Transformer bay 1
- Transformer bay 2
- Switchgear room

NB Service the equipment after 6 months of installation.

2.2 Repair leaking piping for hydrants and hose reels at G shed.

- Isolate hydrant valve and hose reel supply for shed.
- Remove existing offset ±110mm pipe and 1X length of ±110mm pipe.
- Fabricate new offset pipe and 1X length pipe as per existing.
- Install new offset pipe and 1X length pipe with new flanges and seals.
- Open hydrant and hose reel valve and test for leaks.
- Paint offset pipe and 1X length pipe red as per existing.
- All old steel to remain the property of Transnet.
- Consideration to be taken into the height and location of the repair to be undertaken.
- Clean and clear site.

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.