



TRANSNET PORT TERMINALS

SUPPLY AND INSTALLATION OF INERGEN FIRE SUPPRESSION SYSTEM FOR MPT SUBSTATIONS

Scope of Work

REVISION 00:

17/08/2022

1. INTRODUCTION

Transnet Port Terminals in point is seeking to appoint a service provider for supplying and installation of Inergen fire suppression system at Rail Terminal substation and MPT Terminal substation, Durban Roro Terminal.

2. SCOPE OF WORKS REQUIREMENTS

Bidder appointed service provider will be required to prepare a safety file for approval by our compliance department prior to commencement of work.

3. SCOPE OF WORKS SPECIFICATION PER ROOM

- Supply and install (1) one fire gas control panel outside each room (EN54 approved) in an IP65 rated window front enclosure.
- Supply and install one red bell and a sounder beacon outside each room.
- Supply and install one red sounder inside each room.
- Supply and install smoke detectors into the room for double knock configuration.
- Supply one red emergency call point at exit door.
- Supply and install Inergen fire suppression cylinder, mounted inside each room.
- Schedule 40 piping & 300lbs fittings.
- Supply and install interface to shutdown air conditioners.
- The system will be wired using fire resistant (Enhanced cable PH30) type cable and galvanized conduit where cables are exposed with metal saddles.
- Conduct room integrity test.
- Train all required staff.
- Supply and install one logbook for system records as per SANS10139.
- On completion supply an installation and commissioning certificate with handover manual.
- Test and commission.
- 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

4. Quotation to include following costs:

The bidder should take into consideration all costs related to the success of the project including safety file, replacement parts, transportation, permits, labour, equipment, PPE etc.

5. Additional Information required for technical Evaluation.

Bidders must attend a compulsory site briefing session; non-attendance will lead to disqualification.

TRANSNET PORT TERMINALS	45 Bay Terrace 3 rd floor boardroom				POINT MULTI-PURPOSE TERMINAL
		SOW	Page 1 of 2	Rev 00	

6. Quality

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

6.1 EEAM-Q-012 - General electrical Plant

6.2 EEAM-Q-008 - Corrosion protection

6.3 EEAM-Q-015 - generators

6.4 EEAM-Q-009 - Quality Management

6.5 EEAM-Q-020- Testing and commissioning of electrical Plant

7. Technical Evaluation

<u>Evaluation Criteria</u>	<u>Category</u>	<u>Description</u>	<u>Scoring</u>
Eligibility	Company Accreditations	Suppliers are required to provide proof of Accreditation with SAQCC Fire for their fire technician and at provide at least one reference letter or official order from customers who they have done work on fire hydrants and fire lines.	Yes/No
		Suppliers are required to provide proof of Accreditation with ASIB	Yes/No

SCOPE OF WORK

Compiled by:



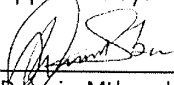
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TRANSNET PORT TERMINALS	45 Bay Terrace 3 rd floor boardroom	POINT MULTI-PURPOSE TERMINAL
	SOW	Page 1 of 2
		Rev 00