

EXECUTIVE SUMMARY:

Transnet National Port Authority is responsible for the safe, effective and efficient functioning of South Africa's eight (8) commercial ports. TNPA is also required to operate within a legislative and regulatory environment in accordance to Safety of Lives at Sea (SOLAS), Maritime Safety Regulations and other relevant regulations. The Marine Services Department is responsible for discharging the following but not limited to:

- Safe, reliable and efficient sea operations in the port.
- Planning and provision of maintenance and improvement of the functioning of the tug boats, pilot boats, workboats and launches.
- Ensure the provision of port services including the management of port activities.
- Ensure that there is proper maintenance for the manoeuvring of vessels within port limits.

Quick turnaround times in the service, maintenance and repair of shipboard machinery and equipment is critical in ensuring crafts are readily available for port operations and rendering services to port users

SCOPE OF WORK

The Scope of Work includes the following but not limited to , at the following site: Marine Services _ Saldanha , Cape Town, Mossel Bay, Port Elizabeth, Ngqura, East London , Durban, Richards Bay

- 1.1. The servicing, maintenance and inspection of fire detection in accordance to relevant legislation.
- 1.2. Alarm and monitoring system that's installed onboard TNPA Marine Crafts at the following Ports; Saldanha, Cape Town, Mossel Bay, Port Elizabeth, Ngqura, East London, Durban & Richards Bay.
- 1.3. Ad-hoc on-site orientation of identified TNPA Marine staff on the safe operation /functioning of the fire detection, alarm and monitoring system.

Site: TNPA MARINE SERVICES

Scope of Service: The Servicing, Maintenance, Repairs, Inspection and Certification of Fire Detection, Alarm and Monitoring System, Portable Fire Extinguishers & Gaseous Fire Suppression System for On-board Marine Crafts



- 1.4. Annual Inspection and Service Certificates must be issued by a South African Maritime Safety Authority (SAMSA) approved marine fire service station as per Marine Notice No. 44 of 2020
- 1.5. Spare parts and replacement (condemned) fire equipment to be supplied and replaced by the contractor as and when required.

Eligibility Criteria

Certified Copy of company's valid South African Maritime Code of Practice for Marine Fire Service Station (SAMFAS) accreditation certificate (Accredited with South African Maritime Safety Authority (SAMSA)- South African Maritime Code of Practice for Marine Fire Service Stations)

Certified Copy of company's valid South African Qualifications and Certification Committee (SAQCC) Registration certificate- Fire Detection System for technician in accordance to SANS 14520

Certified Copy of company's SANAS 1475 accreditation for hydro static pressure testing of carbon dioxide fire extinguishers, gas suppression systems cylinders and Self Contained Breathing Apparatus (SCBA) cylinders

DESCRIPTION OF SERVICE

Annual fire detection Service

Check the following:

- Lamps and signals on alarm Panel, smoke and heat detectors, sounders and flashers, Contractor to issue updated certificates on completion of service.
- Charging voltage, signals to ships alarms system and report on any defects or recommendations.

Annual CO2 Fixed System Service

Check the following:

- Temperature at the time of inspection,
- Contents of cylinders by liquid level indicator,
- Contents in pilot cylinders by weighing, tightness of cylinder fixtures and HP hose connections (renew if more 10 years old), release station and cabinet inspect and test, distribution and cylinder valves test, inspect manifold.
- Issue calibration/test certificate in accordance to SAMSA regulations.

Annual Breathing Apparatus (BA) set Service (8 cylinders and 6 pack)

- Check and inspect the following:
- Back packs and webbing, masks, test whistle, HP hose, regulator, cylinder full.
- Issue calibration certificate in accordance with SAMSA regulations.

Hydrostatic test CO2 cylinders (10 years) 8 x 45 Kg and 2 x 3kg

- Disconnect, remove from the vessel,
- Discharge CO2, check internal, external and condition of thread,
- Pressure test, refill with CO2, transport back to vessel and re-install.
- Issue Compliance Certificate for Hydrostatic testing and annual service.

Hydrostatic test BA cylinders (4 years) 8 cylinders

- Remove from vessel, empty, hydro test, inspect internal, external and condition of threats, refill and transport back to vessel.
- Issue Certificate for Hydro testing and annual service

Servicing of Foam Extinguishers 1 x 45kg and 5 x 9kg

- Annual inspection and test as required by the relevant local and international standards.
- Hydrostatic test done every 4 years and issuing of certification

2. GENERAL WORK SPECIFICATIONS

- 2.1. The work shall be done in accordance to South African Maritime Code of Practice for Marine Fire Service Station (SAMFAS) requirements & SANS 14520.
- 2.2. The work shall be executed by competent person to carry out the maintenance and servicing of the fire alarm system in accordance with SANS 10139:2012, SANS 14520 and South African Maritime Code of Practice for Marine Fire Service Station (SAMFAS)
- 2.3. The Service provider shall have required experience and competencies in installation, maintenance and servicing of fire detection monitoring and alarm systems and Gaseous Fire Suppression System
- 2.4. The Service Provider shall be an expert in the field of Fire Detection and Gaseous Fire Suppression System Systems and be registered to relevant registration bodies to execute the works.
- 2.5. The Service Provider shall ensure that all memberships, registration and accreditation required for the service is valid for the duration of the contract.
- 2.6. The Service Provider shall have adequate resources, equipment for the execution of the required services.
- 2.7. The Service Provider shall provide the client with inspection and servicing certificate for Fire Detection System and Gaseous Fire Suppression System upon completion of each service.
- 2.8. The service provider shall endorse appropriate Log Sheets, Job Cards and ensure that all necessary documentation is completed
- 2.9. Defects and or non-compliance must be recorded and communicated to all stakeholders after completion of inspection.
- 2.10. The Service Provider shall propose and submit to TNPA a Service schedule which shall be honored at all times.
- 2.11. Equipment's fitted or replaced in place of failed equipment's will form part of the Contract. Contractor to supply necessary spares or replacement fire equipment.

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- 2.12. Prospective Services Provider must include in their pricing all labor, applicable test equipment, and materials to complete the inspection/testing of facility fire protection systems.

3. OCCUPATIONAL HEALTH AND SAFETY AND SECURITY

- 3.1. The Service provider is required to undergo the TNPA SHE Induction Program before commencement of services.
- 3.2. Service provider need to obtain TNPA Security permits to access the Port prior to commencement of services.
- 3.3. Service provider is required to submit a Health and Safety File for TNPA's approval before commencement of services.
- 3.4. Service provider must adhere to all Safety, Health, Environmental and Security requirements of the Port. Failure to do so can and will lead to termination of the contract.
- 3.5. Service provider employee to be equipped with the necessary Personal Protective Equipment (PPE) when accessing the Port and its facilities or equipment.
- 3.6. Site arrangement shall be made through the TNPA Contact Project Manager for the respective Ports.

4. SUPERVISION

- 4.1. The Service Provider shall carry out the "work", as reflected in the contract at intervals specified by the Ports.

5. TO BE SUPPLIED BY SERVICE PROVIDER

- 5.1. The Service Provider shall be responsible for providing the required labour, material, personal protective clothing, transport, and ad-hoc services required for the proper completion of the works.