PROVISION OF RIGGING AND CRANE HIRE SERVICES FOR THE EXPORT SECTION AT THE PORT OF RICHARDS BAY

1. Project Overview

Transnet Port Terminal's core business is the handling of bulk and dry bulk commodities, either entering or exiting via the Richards Bay harbour premises. A network of conveyors, storage areas and transfer houses form the bulk of the infrastructure for the Port operations. In addition, ship un-loaders, mobile stackers, re-claimers and ship loaders are some of the larger equipment that is used by the Terminal to handle cargo.

In order to achieve the handling of these high volumes, the Port requires continuous operation and hence, there is a requirement at all times for a rigging crew and crane hire services to be available during the day-to-day maintenance activities and emergency services to support the Technical team as and when required.

These services and crane hire are required to perform a number of tasks which include but not limited to: Splicing of conveyor belts, pulley repairs, replacing bearings, pulley lagging, structural components, lifting mechanical & electrical drives, heavy components at heights, heavy components, etc.

The provision of rigging and crane hire services are essential in ensuring that the response time for all maintenance, emergency services and repairs are kept to a minimum. Please note that all or most of our equipment is situated at heights inside the galleries, hence there's no alternative to the service provision. These services are so crucial that most technical repairs and maintenance work cannot be completed without it's involvement as well as the nature of our business as a result.

2. *Employer's* objective

The purpose of this scope is for approval of the short term contract for the rigging & crane hire services for a period of three (3) months while we are waiting for the approval of the long term (5) year contract.

3. Site Location

The site is located on the premises of Transnet Port Terminal (TPT) at the Richards Bay Port. The crane hire/rigging company will service the Export Section, Dry Bulk Terminal (DBT), as and when required.

The Scope

The Service Provider will be required to provide the rigging & crane hire services for the day-to-day maintenance & emergency services for a period of three (3) months to support the Maintenance Team as and when required as the minimum, but not limited to the following requirements:

4.1

4.1.1 Team of riggers will be required to provide a crane services as and when required, after assessing the scope of the job at hand for a period of 3 months.

4.1.2 Each team of rigger may consist of 1 rigger/supervisor, 1 semi-skilled and 1 assistance, depending on the requirements.

4.2 The Service Provider will be required to conduct rigging studies and risk assessments before conducting any lifting.

4.3 The Service Provider will be required to ensure that all rigging equipment are certified (load tested) and properly inspected prior to using them as per the OHSAct of 1993 (Act no 85 of 1993.

4.4 As a minimum, TPT requires the following persons to be part of the rigging crew:

4.4.1 1 x Supervisor (Qualified Rigger).

- Minimum years practicing as a rigger: 4 years.
- Minimum Qualifications: SAQA Qual ID 59731 or 13693.

4.4.2 2 x Semi-skilled riggers

- Minimum years in the Rigging field: 1 year.
- Qualification: Matric & Basic training in rigging (Working at height, Basic rigging and rigging and slinging).

4.4.3 1 x Assistant

- Minimum years in the technical field: 6 months working in a technical environment / workshop.
- Qualification: Not required but the person should have a technical background.

4.4.4 Crane Drivers

- Although not part of the daily crew (i.e. only required on request), the Supplier needs to ensure that all their crane drivers are certified according to SAQA Qual ID 242982.

4. Contractors' Responsibilities.

The *Contractor* shall:

- Provide all the necessary skills, resources, tools, equipment, lifting cranes and expertise to carry out the works;
- Ensure that all their crews are qualified (and trade tested).
- Review, familiarize and understand the proposed site including all constraints and environmental factors that will affect the performance of the contractor.
- The baseline risk assessment will be used when assessing the scope and risk before starting any job.
- Review, familiarize and understand the operational requirements of the facilities in the Port of Richards Bay.
- Provide all necessary SHE compliance documentation as per Transnet Port Terminals SHE specifications, including the submission and approval of a Safety File and SHE Officer on site (on instances where the OHSAct requires one).
- Make available any documentation that Transnet might require, these include load test certificates and inspections, job cards and any other relevant document.
- Ensure that the safety file is updated at all times based on the SHEQ department's requirements.
- On a fair notice, allow Transnet to conduct site visits and audit the workshop and compliance to the lifting equipment regulations (OHSAct).

6. Governing Codes, Standards and Specifications

The *Contractor's* works must be in accordance with the requirements of the latest edition of the following specifications and codes:

Title	Document No.
National & International Standards	
Inspection and testing of non-fixed load-lifting attachments (2008 ver 1).	SANS 687
Inspection, examination and testing of manually operated chain blocks and chain lever hoists in use.	SANS 500:2009 Ed. 1
The inspection, examination and testing of lift trucks.	SANS10388:2008 Ed. 1
Textile slings — Safety Part 1: Flat woven webbing slings made of man-made fibres for general purpose use.	SANS 94-1:2003 Ed. 1
Part 2: Round slings made of man-made fibres for general purpose use.	SANS 94-2:2003
Steel wire ropes for general purposes — Minimum requirements	SANS 2408:2005
Manually operated chain lever hoists	SANS 1636:2007 Ed. 2
Manually operated chain blocks	SANS 1594:2007 Ed 2.1
Non-calibrated round steel link lifting chain and chain slings — Use and maintenance	ISO 3056:1986 Ed. 2
Calibrated round steel link lifting chains — Guidelines to proper use and maintenance	SANS 7592:1983 Ed. 1
Short-link steel chain (close-tolerance) for lifting appliances	SANS 1592:2005 Ed. 1.2
Occupational Health and Safety Act and Regulations	85 of 1993

7. Health and Safety Requirements

The Contractor shall comply with all Transnet Port Terminals' Health Safety and Environmental Specification number: Operations – SHE Contractor Specification SHEQ PRO 021.

8. Workmanship and Compliance to Regulations

The following will be required from the Service Provider to ensure compliance to the OHSAct and for good workmanship:

8.1. Use of qualified riggers (SAQA ID59731/13693) and well-trained crane drivers (SAQA 242982) to carry-out the rigging & crane hire services will be required at all times.

8.2. Use of compliant lifting equipment as per the applicable regulations (refer to Section 6 and Section 10 of the Scope of Works).

9. Statutory Requirements for the Tools and Machinery

All the lifting equipment and lifting attachments used should be compliant to the applicable Standards, ACTS, Codes and regulations as listed in Section 6: *Governing Codes, Standards and Specifications.*

As a minimum requirement, the following will be required:

i. Ropes/Chains/Sling

- Inspected regularly for damage (minimum once a month).
- Inspected before use by a Technical person (Tradesperson).

ii. Chain blocks/Lever Hoist

- Certified – valid load test certificate (minimum once a year).
- Inspected regularly for damage (minimum once a month).
- Inspected before use by a Technical person (Tradesperson).

iii. Cranes

- Certified – valid load test certificate (minimum once a year).
- Calibrated (when required as recommended during load tests).
- Inspected regularly for damage by an LMI - Lifting Machinery Inspector (minimum once a month).
- Inspected before use by a Technical person (Tradesperson).

iv. General

- Transnet bears the right to request any of these documentation at any stage and can reject the use of equipment if the condition is not acceptable or the documentation is not available.