



TRANSNET PORT TERMINALS

TENDER NUMBER:

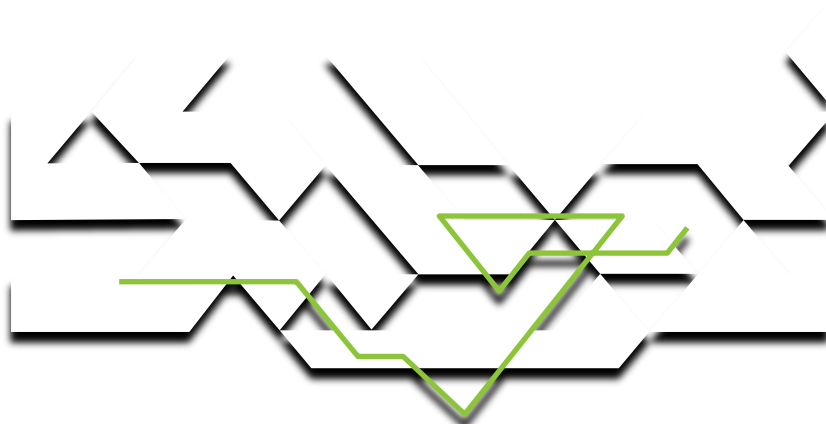
PROVISION OF HIGH-PRESSURE CLEANING SERVICE FOR 6 MONTHS ON AN AS AND WHEN
REQUIRED BASIS AT TRANSNET PORT TERMINALS RCB (REG. NO 1990/000900/30)

OPERATING AS

TRANSNET PORT TERMINALS (HEREINAFTER REFERRED TO AS "TPT")

SCOPE OF WORK

**PROVISION OF HIGH-PRESSURE CLEANING SERVICE FOR 6 MONTHS AT TRANSNET
PORT TERMINALS RCB ON AN AS AND WHEN REQUIRED BASIS**



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Table 1: List of Abbreviations

Abbreviation	Meaning given to the abbreviation
AIA	Authorized Inspection Authority
BBBEE	Broad Based Black Economic Empowerment
QA	Quality Assurance
SES	Standard Environmental Specification
SHE	Safety, Health and Environment
SHEC	Safety, Health and Environment Co-ordinator
SIP	Site Induction Programme
SMP	Safety Management Plan
SSRC	Site Safety Review Committee
TPT	Transnet Port Terminal
KZN	Kwa-Zulu Natal
ECSA	Engineering Council of South Africa
RCB	Richards Bay
PPE	Personal Protective Equipment
OEM	Original Equipment Manufacturer
COF	Certificates of Fitness



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1 Overview of the work

2.1 Executive Overview

Transnet Port Terminals is a division of Transnet SOC Limited whose core business is to provide cargo handling to a wide spectrum of customers, including shipping lines, freight forwarders and cargo owners. Operations are divided into five major business segments, namely containers, bulk, break bulk, automotive and national port authority.

High pressure cleaning of port equipment is crucial for maintaining operational efficiency and safety. This method effectively removes coking coal residues, preventing buildup that can lead to equipment malfunctions and costly downtime. Additionally, it helps in reducing environmental contamination and ensuring compliance with health and safety regulations. Regular high-pressure cleaning extends the lifespan of the equipment, ensuring smooth and uninterrupted port operations.

2.2 Objective

The objective of this scope of work is for the provision of Import equipment high pressure cleaning once off service at Transnet Port Terminals RCB.

2.3 Main Work Information

The service is structured as follows:

- 2.3.1 Site Assessment
- 2.3.2 Waste Containment
- 2.3.3 Cleaning
- 2.3.4 Waste Collection and Dumping

2 Detailed Scope of Work

The contractor is required to perform high pressure cleaning services on the DBT equipment as follows: Ensure thorough removal of all spillages, debris, build- up, and contaminants from the equipment surfaces to maintain optimal performance and cleanliness. Adhere strictly to all safety protocols and environmental regulations during the cleaning process. The contractor is required to carry out these tasks as following:

3.1 Site Assessment

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Conduct a thorough evaluation of the site to identify areas requiring high pressure cleaning, assess the condition of the equipment's, and determine the appropriate cleaning methods and equipment needed.

3.2 Waste Containment

Implement measures to contain the cleaning area, ensuring that surrounding equipment and areas are protected from debris and contaminants. This includes setting up barriers and using protective coverings as necessary.

3.3 Cleaning

Perform high pressure cleaning on the DBT equipment and surrounding floor area (2 meter away all around), focusing on removing all spillage, debris, build-up, and contaminants.

3.4 Waste Collection and Dumping

Collect all waste generated during the cleaning process, including debris and contaminants. Ensure proper disposal at the dumping site provided by TPT, in accordance with environmental regulations and site-specific guidelines, maintaining a clean and safe work environment.

The contractor must provide all resources to carry out the above work including high pressure machines and containment equipment.

The following machine specifications are required:

- A minimum of 2x High Pressure Cleaning Machine between 280 – 450 bars – will be required to be supplied at any given time, and a maximum of 4 High Pressure Cleaning Machines between 280 – 450 bars as and whenever requested.

Cleaning Labour Requirement

Table 1:

Workers Required	Hours Duty	Shift
Minimum of 4x general workers	Minimum 4 hours of duty	As and when required

The following labour resources are required:

- A minimum of 4x general workers will be required to be supplied at any given time, and a maximum of 8 general workers are to be available to be supplied whenever requested.

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Resources to execute high pressure cleaning and equipment.

Table 2:

PRESSURE CLEANING RATE (MONDAY TO FRIDAY)				
SERVICE DESCRIPTION	PROPOSED QTY (A)	Hourly Rate in ZAR Excl. VAT (B)	Total Hours Worked (C)	TOTAL PRICE = (AxBXC) in ZAR Excl. VAT (B)
Pressure Cleaner Machine	2		1	
Labour	4 people		1	
		TOTAL Price in ZAR Excl. VAT		
		TOTAL Price in ZAR Incl. VAT		

Resources to execute high pressure cleaning and equipment.

Table 3:

PRESSURE CLEANING RATE FOR SATURDAY				
SERVICE DESCRIPTION	PROPOSED QTY (A)	Hourly Rate in ZAR Excl. VAT (B)	Total Hours Worked (C)	TOTAL PRICE = (AxBXC) in ZAR Excl. VAT (B)
Pressure Cleaner Machine	2		1	
Labour	4 people		1	
		TOTAL Price in ZAR Excl. VAT		
		TOTAL Price in ZAR Incl. VAT		

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Resources to execute high pressure cleaning and equipment.

Table 4:

PRESSURE CLEANING RATE FOR SUNDAY/PPH DAY SHIFT				
SERVICE DESCRIPTION	PROPOSED QTY (A)	Hourly Rate in ZAR Excl. VAT (B)	Total Hours Worked(C)	TOTAL PRICE = (AxBXC) in ZAR Excl. VAT (B)
Pressure Cleaner Machine	2		1	
Labour	4 people		1	
		TOTAL Price in ZAR Excl. VAT		
		TOTAL Price in ZAR Incl. VAT		

3 Transnet General Health, Safety and Environment Adherence Requirements

4.1 Safety Requirements

- 4.1.1 Contractor to comply with Health and Safety Acts and its regulations.
- 4.1.2 Refer to Occupational Health & Safety Act 85 of 1993 ("OHSA") for guidance.
- 4.1.3 Where applicable, service provider must have a safety file submitted to the safety department for assessment.
- 4.1.4 All employees must be medically fit with report confirming that they may commence work in Transnet premises.
- 4.1.5 Supplier to adhere to all environmental rules and regulations as explained in detail under management and start up topic.
- 4.1.6 All personnel always involved to have all relevant PPE requirement where applicable.
- 4.1.7 COVID 19 Regulations.

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4.2 Compliance

Bidders shall comply with all legislation, but not limited to the following:

- 4.2.1 Occupational Health & Safety Act 85 of 1993 ("OHSA").
- 4.2.2 International Health Regulation Act 28 of 1974.
- 4.2.3 Hazardous Substances Act 15 of 1973.
- 4.2.4 The Compensation for Occupational Injuries and Disease Act, 1993 (Act No.130 of 1993) ("COIDA").
- 4.2.5 All material aspects of all applicable legislation, provincial ordinances, and local authority by-laws, including all relevant regulations promulgated in terms thereof, which affects the maritime business.
- 4.2.6 The basic conditions of Employment Act No.75 of 1997.
- 4.2.7 Criminal Procedure Act No.51 of 1977
- 4.2.8 National Ports Act No.12 of 2005 and enabling legislation thereto, including the Port Rules.
- 4.2.9 Control of Access to Public Premises and Vehicle Act, No 53 of 1985.
- 4.2.10 Legal Succession to the South African Transport Services Act No.9 of 1989 (but excluding any tariff provided for in such regulations).
- 4.2.11 Any other Transportation laws or directives that govern TPT's Transportation and Handling Services.
- 4.2.12 Merchant Shipping Act no.57 of 1951, the Maritime Security Regulations 2004 read in conjunction with the International Ship and Port Facility Security Code and Maritime Occupational Safety Regulations (1994), as amended.
- 4.2.13 Codes of Good practice embodied in the Broad Based Black Economic Empowerment Act No.53 of 2003:
- 4.2.14 Customs and Excise Act No.91 of 1964:
- 4.2.15 National Road Traffic Act and Regulations Act 93 of 1996 (as amended from time to time).
- 4.2.16 The National Railway Safety Regulator Act No.16 of 2002,
- 4.2.17 The Labour Relations Act No.66 of 1995 and the Regulations thereto.

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4 Site Information

5.1 Site conditions

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The groundwater table has been recorded at between 0.8 m and 1.5 m below ground level across the site during winter. The equipment to be rigged is to be for 24 hours per day operation in an environment subject to the following conditions:

- Altitude – sea level
- Ambient temperature – 5 to 45 °C
- Relative humidity – frequently 100%
- Air Pollution – heavily saline and dust laden; industrial and locomotive fumes; ignitable dusts
- General wind velocities – up to 60km/ h
- Storm wind velocities – up to 180 km /

Climate data for Richards Bay based on monthly averages for the 30-year period: 1961-1990 (SAW, 2005) 2

5.2 Site access

The site is at the Bulk Terminal in the Port of Richards Bay.

Access to the site will be from the existing public and maintenance road networks whilst access to the Port of Richards Bay will be through the East or West Access Gates. Access to the Port of Richards Bay will be subject to the TPT security requirements and regulations. Delivery office will be IT office, to be confirmed at contract award with contact details.

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