1

SCOPE OF WORK

PROVISION OF TWO (2) INDUSTRIAL ROAD SWEEPER VEHICLES FOR TWO (2) MONTHS SERVICE FOR TRANSNET SOC LTD



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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

3 Overview of the work

3.1 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.

With a vast handling of cargo/bulk material results in the formation of dust especially on dry conditions. Dust can sometimes be blown into the air and reduce visibility. Cargo dust also alleviate the risks of health hazards for employees working in operational areas and all areas exposed to dust flow. In order to control and remove dust on site, an industrial road sweeper vehicle(s) is always required to vacuum clean on the ground and stockpile areas as a dust suppression mitigative measure, aimed at reducing dust accumulation, spread, and associated risks including environmental compliance requirements.

The purpose of this project/scope is to acquire a service provider on a two (2) months' contract, to provide industrial road sweeper(s) vehicle with full maintenance.

TRANSNET PORT TERMINALS
TENDER NUMBER:

1.1 ACQUISITION OF INDUSTRIAL ROAD SWEEPER VEHICLES FOR TWO (2) MONTHS SERVICE LEASE AGREEMENT CONTRACT FOR TRANSNET SOC LTD.

3.2 Main Work Information

3.2.1 Acquisition of two (2) industrial road sweeper vehicle(s) with full maintenance for a period of 2 months on a service lease agreement contract.

3.3 Detailed Scope of Work

3.3.1 Contract service shall be used in every shift of operation for a period of two months.

3.3.2 Minimum Equipment Requirement

Table 2: Minimum Equipment Requirement

Item	Equipment	Pricing Type	Package	Quantity of Equipment
1	Industrial Road Sweeper Vehicle.	Monthly, based on a straight shift roster (8 hrs.)	Full Maintenance. 1 x operator per equipment per shift. 1 x Supervisor for all shifts.	2
TOTALS				
2	Equipment with full maintenance			2
3	Resources (qualified drivers)			2
4	Supervisor (s)			1

3.3.3 Equipment shall be used according to the following shifts:

Table 3: Service Delivery Shift Pattern Framework

Shift Pattern						
	Weekdays and Public Holidays			Weekends and Sundays		
Item	Shift Name	Shift Times	Working Hours	Shift Name	Shift Times	Working Hours
1	A	08H00 - 16H00	8	Day Shift	06H00 - 18H00	12

NB: Note that if a public holiday falls within a weekend or Sunday, weekends and Sundays' shift pattern shall take precedence.

Service provider is required to make their equipment available in all the shift patterns indicated above and maintenance team to respond to any breakdown related callout within 30 minutes.

4 Critical requirements

4.1 Equipment Specifications

4.1.1 Service provider is required to provide with only diesel fuel powered equipment.

4.1.2 All equipment to be roadworthy and applicable standards and regulations of cargo carrying road material handling equipment.

4.1.3 Equipment fuel gauge must be calibrated and functional.

4.1.4 The collection must be mechanical and facilitated by the side brushes, which convey the debris toward the centre of the machine, where the cylindrical central brush then sends it at a high speed onto a vertical conveyor. The debris is loaded through the upper part in the refuse container, this way optimizing the loading capacity of the machine. The dust raised by the cylindrical central brush is sucked and kept in the refuse container tanks to the depression in the container itself created by two high-range and high-prevalence suction fans.

Table 4: Equipment specifications

Specification	Unit
Sweeping Width with central Brush	1300 mm
Sweeping Width with Side Brushes	2600 mm
Sweeping Width with Side Brushes and Third Brush	3500 mm
Container Capacity	6.2 mc
Filtering Surface	99 mq
Vacuum sucker enabled	

1.1 ACQUISITION OF INDUSTRIAL ROAD SWEEPER VEHICLES FOR TWO (2) MONTHS SERVICE LEASE AGREEMENT CONTRACT FOR TRANSNET SOC LTD.



Figure1 – Industrial Road Sweeper Vehicle(s)

4.2 Human resources Requirements

4.2.1 Service provider to ensure that maintenance team is qualified and skilled adequately enough to resolve any equipment failure or breakdowns within agreed times.

4.2.2 Service provider to ensure that required number of resources (drivers) is always available in respect to shift patterns.

4.2.3 All operators must have valid drivers' license certificate for specific equipment (industrial road sweeper).

4.2.4 Operators must have valid and up to date medical certificates to be submitted in a SHERQ file prior to contract activities commencement.

4.3 Services and, or goods to be provided by Transnet

4.3.1 Transnet shall provide fuel for the two (2) industrial road sweeper vehicles.

4.3.2 Water to be used for dust suppression and or cleaning the equipment.

4.3.3 Welfare facilities (drinking water, toilets, and access to the canteen) for maintenance team as and when required.

4.3.4 Induction of the operational areas prior to work commencement.

4.3.5 Parking and minor maintenance area for equipment.

5 Service Level Agreement Conditions

5.1 Equipment Maintenance and Response time to Breakdowns

5.1.1 Service provider is expected to maintain their equipment such that breakdowns and unreliability of equipment is always minimized if not eliminated.

5.1.2 Service provider shall plan their maintenance and schedule equipment in such a way that the plan is well communicated with Transnet fleet manager, with no interruption to business operation or service requirement.

5.1.3 In a case where an equipment is fully booked for maintenance, bidder must make available a replacement equipment for the interim.

5.1.4 Response time to breakdowns must be 30 minutes.

5.1.5 In a case where an equipment breaks down for more than 2 hours with no resolution to the problem, a replacement equipment must be made available until the broken equipment is restored.

5.1.6 Any equipment which incurs major breakdowns for more than three times must be replaced with another equipment.

5.1.7 Failure to adhere to these requirements will lead to withholding of payments and potentially contract cancelation.

5.1.8 Any poor performance shall be communicated to the service provider in a formal process of non-conformance.

5.1.9 For this contract nature and period, the bidder must ensure that they do not incur non-conformance for more than three times in a similar issue. Failure to adhere to this requirement shall lead to contract cancellation, with applicable withholding of payment where service was not rendered satisfactorily or not rendered at all.

5.2 Safety File Compliance Requirements

5.2.1 The service provider must comply with Transnet Port Terminals Health Safety and Environmental Specification number: Operations – SHE Contractor Specification SHEQ PRO 021.

5.2.2 Attached is the SHEQ specifications checklist for the bidder to ensure that their safety file is adequately prepared in accordance to TPT Health, Safety and Environmental mandatory requirements.

5.2.3 Transnet will grant a period of 5 working days from PO issue date for Safety File submission.

5.2.4 Should the safety file be non-compliant after submission, a 2 working days period of grace shall be granted for the bidder to make corrections and re-submit.

5.2.5 Failure to adhere to the above mandatory requirements shall result in contract cancellation.

6 Evaluation Criteria

6.1 Operational functional evaluation Criteria

6.1.1 See Technical Evaluation for details.

7 Pricing Schedule

7.1 Pricing Conditions

7.1.1 See Pricing Data Schedule document for Pricing Conditions.

7.2 Pricing Schedule

7.2.1 See Pricing Data Schedule document for pricing schedule.

8 Health, Safety and Environment

8.1 Safety Requirements

8.1.1 Contractor to comply with Health and Safety Acts and its regulations.

8.1.2 Refer to Occupational Health & Safety Act 85 of 1993 (“OHSA”) for guidance.

8.1.3 Service provider must have a safety file submitted to the safety department for assessment.

8.1.4 All employees must be medically fit with report confirming that they may commence work in Transnet premises.

8.1.5 Supplier to adhere to all environmental rules and regulations as explained in detail under management and start up topic

8.1.6 All personnel always involved to have all relevant PPE requirement

8.1.7 SABS 0400 building Regulations

8.1.8 SABS 049/1989

8.1.9 Hazardous Substances Regulations

8.1.10 ISO 14001:2004

8.1.11 ISO 9001:2008

8.1.12 MSDS

8.1.13 COVID 19 Regulations

8.2 Compliance

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

8.2.1 Occupational Health & Safety Act 85 of 1993 ("OHSA").

8.2.2 International Health Regulation Act 28 of 1974.

8.2.3 Hazardous Substances Act 15 of 1973.

8.2.4 The Compensation for Occupational Injuries and Disease Act, 1993 (Act No.130 of 1993) ("COIDA").

8.2.5 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.

8.2.6 The basic conditions of Employment Act No.75 of 1997.

8.2.7 Criminal Procedure Act No.51 of 1977

8.2.8 National Ports Act No.12 of 2005 and enabling legislation thereto, including the Port Rules.

8.2.9 Control of Access to Public Premises and Vehicle Act, No 53 of 1985.

8.2.10 Legal Succession to the South African Transport Services Act No.9 of 1989 (but excluding any tariff provided for in such regulations).

8.2.11 Any other Transportation laws or directives that govern TPT's Transportation and Handling Services.

8.2.12 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.

8.2.13 Codes of Good practice embodied in the Broad Based Black Economic Empowerment Act No.53 of 2003:

8.2.14 Customs and Excise Act No.91 of 1964:

8.2.15 National Road Traffic Act and Regulations Act 93 of 1996 (as amended from time to time).

8.2.16 The National Railway Safety Regulator Act No.16 of 2002,

8.2.17 The Labour Relations Act No.66 of 1995 and the Regulations thereto.

9 Site Information

9.1 Site conditions

The works are undertaken next to a highly dusty area and care should be taken to safeguard against this. Surgical masks and safety goggles may be required when walking outside the building.

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

9.2 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.

9.3 Site facilities

Transnet shall provide facilities.

10 Schedules

10.1 Schedule A

10.1.1 Technical Evaluation

10.2 Schedule B

10.2.1 Pricing Data

10.3 Schedule C

10.3.1 Safety File Checklist.