



**PROVISION OF INTERNAL ROAD CLEANING FOR  
TRANSNET PORT TERMINALS  
SALDANHA FOR 6200 WORKING HOURS.**

**Document Reference Number:**

**Site:**

Bulk Terminal Saldanha  
Multi-Purpose Terminal Saldanha  
Saldanha, Langebaan, Vredenburg

**Date:**

**January 2024**

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## 1. DEFINITIONS

### 1.1 Risk Assessment

- 1.1.1 A risk assessment in this procedure means the process where all risks associated with the contract and its execution identified, mitigated and managed.

### 1.2 Specification

- 1.2.1 A detailed prescription of the Integrated Management System (IMS) requirements to which equipment, construction, product or service has to comply with this includes various models, drawings and documents. It noted that the specification might even comprise of a multitude of different elements.

## 2. ABBREVIATIONS

2.1	IMS:	Integrated Management System
2.2	AEL:	Atmospheric Emissions License
2.3	OHSAS:	Occupational Health and Safety Assessment Series
2.4	SOP:	Safe Operating Procedure
2.5	SHERQ:	Safety, Health, Environmental, Risk and Quality
2.6	SLD:	Saldanha
2.7	TPT:	Transnet Port Terminals
2.8	BTS:	Bulk Terminal Saldanha
2.9	MPT:	Multipurpose Terminal
2.10	TIMS:	Transnet Integrated Management System

### **3.BACKGROUND**

- 3.1 Transnet Port Terminals (TPT) Saldanha requires a service provider to provide a service of Road Cleaning for a period of 6200 working Hours.
- 3.2 The reduction of fugitive dust from the roads within the port boundaries is paramount to the port retaining its Environmental Authorization.
- 3.3 According to the Air Emission License (AEL), which is a legal environmental authorization, the reduction of fugitive dust is a legal requirement and makes Transnet Port Terminals (TPT) legally obliged to implement this service.

### **4.SCOPE OF REQUIREMENTS**

- 4.1 The service provider will be required to attend a compulsory site briefing.
- 4.2 The Service Provider should supply Transnet Port Terminal with road cleaning equipment (Sweeper/ Vacuum Truck) refer to clause 4.13, inclusive of a driver and additional labour (refer to clause 4.6) suitable to clean cargo spillages and dust from roads. The Service outcome must be clean roads with no evidence of any iron ore and manganese spillages and dust accumulation.
- 4.3 The Sweeper/ Vacuum trucks shall be operational and for a total hours of 6200 actual working hours. The service will be required from 08H00 until 16H00 during weekdays as requested by the SHERQ Department.
- 4.4 Service provider must provide the mobile equipment necessary as per clause 4.12 to wash the cargo spillages and stains affected area and remove all the spilled material, sludge and water that was used in the process.
- 4.5 Service Provider must dispose all the spilled material, sludge and water into appropriate areas as indicated by the Transnet Port Terminals SHERQ Officer (within Port Boundaries).
- 4.6 Service Provider must provide all the employees required to perform the cleaning of roads activities such as, Supervisor x1, Driver x1, Flagmen x2, manual cleaners x 4,
- 4.7 The service provider must provide transportation required to transport the employees and equipment to and from the site.

4.8 Service Provider must send all personnel for an occupational medical and arrange for Transnet Port Terminal (TPT) Safety, Health, Environment, Risk and Quality (SHERQ) Induction.

4.9 Service Provider must provide all personnel with the following Personnel Protective Equipment (PPE), and replace on a wear and tear basis:

4.9.1 Overalls;

4.9.2 Hard hats;

4.9.3 Safety boots; and

4.9.4 Reflector jackets.

4.9.5 Sufficient road Signage

4.9.6 Appropriate demarcations and barricades should be used to cordon the affected area while cleaning takes place.”

4.10 Service Provider must provide a traffic management plan.

4.11 The Service provider shall be responsible to remove all the dust/ cargo buildup on the roads and road sides.

4.12 Equipment required for the road cleaning service:

4.12.1 One Road Cleaning truck (Sweeper/ Vacuum) as per the specifications set out in paragraph 4.13.

4.12.2 Shovels, Hard platform Brooms.

4.12.3 Traffic cones and flags.

4.13 Basic specifications for Road cleaning Truck. (Below figure 1)

4.13.1 Truck Body

4.13.1.1 Comprises of hopper, integral water tank and engine cowl. Fabricated from heavy duty stainless steel plate. Cowling is lined with frequency matched soundproofing material. Water tank incorporates anti-surge baffles and filled via a type 'A' water hydrant fill. A twin diaphragm pump runs continuously and is able to run dry. Water tight twin lock rear door latching system with de-watering function. Two body side access doors. Plug in hopper floor as transfer port for use as Street washer. Rear discharge chute,

twin rear caged beacons. Automatic multi position body propping mechanism.

#### 4.13.2 Channel brush:

4.13.2.1 Quick release brush system with infinitely variable speed up to 200rpm (cab controlled).

#### 4.13.3 Nozzle:

4.13.3.1 Low noise suction system with 250mm diameter inlet, tool free adjustment.

4.13.3.2 Wide sweep brush:

4.13.3.3 Quick release brush system with a nominal 160rpm rotation speed.

#### 4.13.4 Dust suppression system:

4.13.4.1 Dust suppression sprays located at suction nozzle(s), channel brush(es) and across front of vehicle. Press drain water purging system.

#### 4.13.5 Controls:

4.13.5.1 Cab mounted master control panel housing sweep controls condition status indicator lamps, including:

4.13.5.1.1 Raised hopper warning

4.13.5.1.2 Auxiliary engine hour counter

4.13.5.1.3 Equipment fuel gauge

4.13.5.1.4 Low level lost water

4.13.5.1.5 Engine tachograph meter

4.13.5.1.6 Low level hydraulic oil indicator

#### 4.13.6 Exterior noise / Sound power level:

4.13.6.1 LWA TBA dB(A) for standard engine measured

4.13.6.2 in accordance with EC directive 2000/14/EC.

4.13.6.3 LWA 112 dB(A) for high power engine measured

4.13.6.4 in accordance with EC directive

4.13.6.5 2000/14/EC.

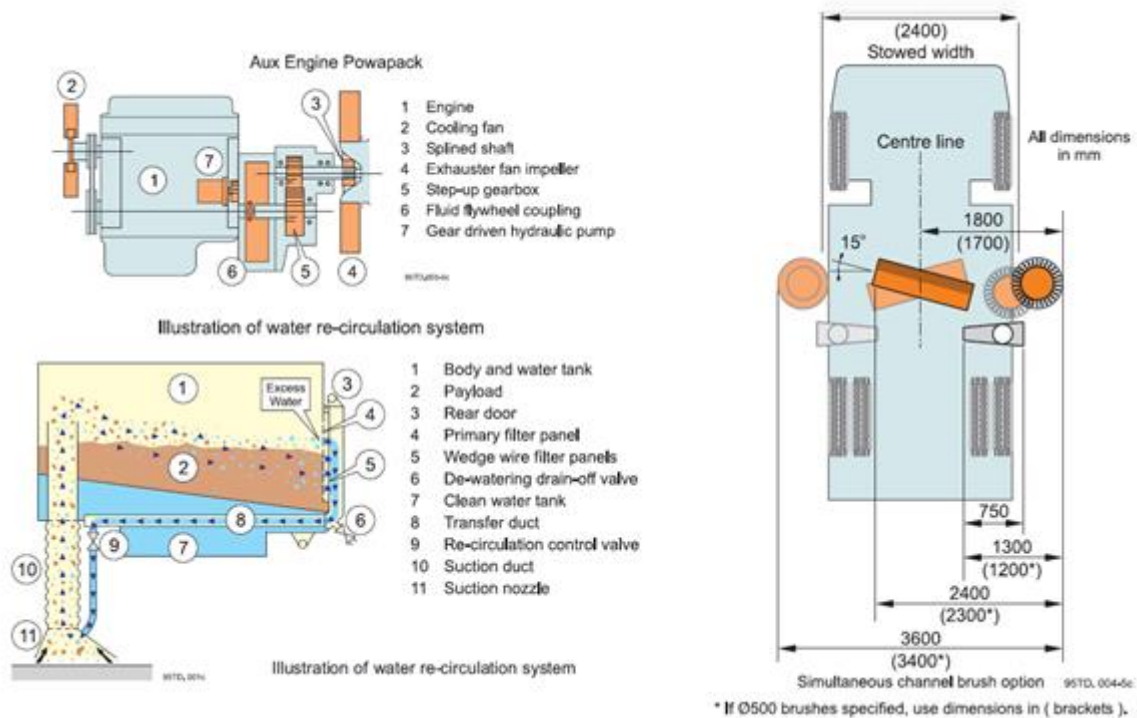


Figure 1 – Specifications for sweeper/ vacuum truck

4.13.7 Truck to be fitted with working Odometer and Global Positioning System (GPS), which can be printed and submitted to SHERQ on a monthly or on request.

4.13.8 Diesel/Petrol usage of the vacuum truck will be for the Service Providers account.

4.13.9 The Service Provider to specify that vehicles are available for use on site by providing proof that the vehicle have full service records, as well as that the total kilometers of the vacuum Sweeper Truck is  $\leq 100\,000$ km and that the vacuum sweeper truck is within a 5-year threshold.

4.14 The Service Provider must have a permanently manned telephone (place of business/cell phone) and email, to ensure that immediate contact can be made in case of emergency.

## 5. QUALITY AND SERVICE

- 5.1 The service provider(s) will further be required to attend a Quarterly Service Level Agreement (SLA) meeting whereby all issues for the previous quarter will be addressed to ensure that a resolution is obtained.
- 5.2 The Service Provider(s) will be required to inform Transnet Port Terminals (TPT) in writing of all the challenges they are faced with Transnet Port Terminals (TPT) staff during the execution of the services.
- 5.3 The Service Provider shall be fully responsible to Transnet Port Terminals (TPT) for the acts and omissions of its employees, permitted sub-contractors and agents. Furthermore, the service provider shall be solely liable for any damage caused to Transnet Port Terminals (TPT) property or injury caused to Transnet Port Terminals (TPT) Employees due to the negligence of its employees, permitted sub-contractors and agents.

## 6. GENERAL SAFETY AND COMPLAINE SPECIFICATIONS

- 6.1 The Contractor must submit **TRN-IMS-GRP-TMP 014.3 Employee Personal Profile Dossier** to contractor Manager for approval before induction training confirmed. Approved Employee Profile Dossiers includes certified copies of medicals, identity documents, competencies etc. submitted via email correspondence to **TPTSLD-Induction-booking@transnet.net**.
- 6.2 Contractor Compliance SHE File within accordance with File Contractor Compliance File **Approval Checklist TRN-IMS-GRP-TMP-014.2** and in line with relevant applicable specifications as per respective **TRN-IMS-GRP-GDL 014.2 Contractor Specification Guidelines**.
- 6.3 Principle contractor approve **Mandatory Agreement** in terms of **section 37(2) TRN-IMS-GRP-TMP-014.1** of the Occupational Health and Safety Act (OHS Act) and submit to Contractor Manager to agree.
- 6.4 The Principle Contractor must **submit written request** to the Contractor Manager for permission for sub-contract to provide any work or services to TPT and ensure that all **37.2 Agreement between Principle contractor and Sub Contractor** submitted to Contractor Manager.



- 6.5 Contractor must **submit** completed **SHE File** to Contractor Manager for approval.
- 6.6 Service provider shall implement and maintain applicable Health, Safety, Quality and Environmental regulations and other relevant standards and regulation, example: applicable SANS codes; OHS Act of 1993 , other legislation, ISO 9001, ISO 14001 and ISO 45001, etc.
- 6.7 Service provider to ensure that all employees involved in activity is informed of the Hazards and risk they exposed to and all other relevant applicable Safety Work Procedures, Environmental Plans, Emergency Plans and any other relevant procedures, etc. proof to be submitted as part of the SHE File.
- 6.8 Service Provider will ensure that On the Job HIRAS is completed prior to start of activity to ensure that any additional Risks been identified.
- 6.9 Service provider must ensure that when required to off-load or load any heavy equipment and machinery on the plant that they comply with that equipment or machinery will not be physically operated by an employee when required to off-loaded or load from any flatbed or low bed.
- 6.10 Principle Contractor will be responsible to ensure that Sub Contractor SHE File compiled within conjunction with TPT Requirements and Approved prior to sub mission to Contractor Manager.