



TRANSNET



delivering freight reliably

PROVISION OF SERVICE FOR THE COVERING OF GRAVEL ROADS WITH A DUST SUPPRESSION CHEMICAL FOR TRANSNET PORT TERMINALS

21 MAY 2025

- A service provider is required to apply a dust suppression chemical to gravel roads at both the Iron Ore Terminal (BTS) and Multi-Purpose Terminal (MPT) for a period of **24 months**.
- Environmental compliance to reduce fugitive dust is essential to maintain the environmental authorization within the port.
- The Air Emission License (AEL) mandates dust reduction, making implementation a legal requirement for the Transnet Port Terminal.

Scope of Requirements

Scope of Requirements is organized into the following tasks:

This service is to treat and maintain unsurfaced roads at both Ion Ore Terminal and Multi Purpose terminal to prevent dust emission caused when vehicles are moving on the roads. It also eliminates the breaking up of unsurfaced roads.

Application: 10 x 10,000-liter diluted chemical loads per day, **7 days a week**, following OEM specifications.

Coverage: All unsurfaced areas within port boundaries.

Requirements:

Supply of equipment

Labor

Product (chemical as per SOW specifications)

Secure storage for products and equipment.

The product to adhere to below requirements:

- Non-hazardous and biodegradable
- No Bitumen or Sappi products contained in product
- Fully water-soluble



Deliverables

- Supply, deliver, and apply chemicals for dust suppression on roads for 24 months (7200 loads), at 8 hours per day, 7 days a week.
- Chemicals to be diluted and applied according to the manufacturer's specifications.

The service provider must supply:

- One (1) water truck with a driver, as well as resources needed to ensure the chemical is applied correctly and effectively, following the product specifications for favorable results.
- **The service provider must apply 10 full loads of product per day, split as follows:**
 - **5 loads** using their own truck, driver, and diesel
 - **5 loads** using a Transnet Port Terminals truck and driver provided by Transnet
- ❖ The service provider may invoice after every 300 loads have been applied to the roads according to the approved schedule. **Diesel is for the supplier's own cost.**



Equipment & Water Truck Requirements

Water Truck Requirements

- Two water trucks used daily—one provided by the service provider (including driver) and one by Transnet Port Terminals Saldanha (including driver).
- Each truck must hold **10,000 liters** of diluted water for road spraying.
- Spraying should cover a **±2.2m-wide area** via nozzles.
- Trucks must be fitted with a **working odometer and GPS**, with records and log sheets submitted monthly or upon request.



- **Fuel Supply:** Service provider must ensure **diesel/petrol** provision for **9 hours of daily operation**.
- **Water Supply:** Provided by **Transnet Port Terminals Saldanha**.
- **Application Efficiency:** Trucks must operate at **20 km/h**, discharging water at **350 liters per minute (rate at which water is discharged)**.
- **Spray System:** Water must be distributed using a **separate pump (PTO)** rather than gravity-fed nozzles.

Plant Layout

MPT & BTS Roads to Apply Dust suppression chemicals and Water



Applications & Compliance Measures

- Daily maintenance of designated areas using the recommended binder (chemicals) at correct concentrations, as per manufacturer guidelines.
- Implement and submit a traffic management plan, including signage, barricades, and flagmen, to prevent access to wet areas and reduce the risk of vehicle contamination.

Pricing Schedule

No.	Description	Quantity	Unit cost Excl. VAT	Total cost Excl. VAT
1	Supply and mixing of Chemicals 10 X 10 000 liter diluted chemical	7200 loads		
2	Provision of Water Truck.	24 Months		
	(1 Truck inclusive of Operator 8 hours a day)			

TRANSNET



delivering freight reliably

THANK YOU

