

**DURBAN MAYDON
WHARF**

Document Title:

SCOPE OF WORK

Project Title:

**HIRING OF A SELF-PROPELLED SWEEPER FOR MAYDON WHARF
TERMINAL FOR A PERIOD OF THREE (3) MONTHS**

REVISION 00: REQUEST FOR QUOTATION

1. SCOPE OF WORK

Transnet Port Terminals at Maydon Wharf Terminal in Durban is seeking a qualified service provider to supply a sweeper equipment for hire, for a duration of three (3) months.

1.1 Technical Specifications

1.1.1 Sweeping System:

Cleaning path

- Single side brush: 1,750 mm
- Dual side brushes: 2,210 mm

With dual side brushes and Vario Sweeping Brush: 3,200 mm

1.1.2 Brush Drive System:

Main brush length (tubular) : between 1200 - 1400 mm

Main brush lift - Hydraulic

Main brush diameter: 550 - 650 mm

Side broom diameter (disk): 750 -900 mm

Vario Sweeping Brush Diameter: 950 - 990 mm

Hopper volume capacity: 2 - 4 m³

Hopper weight capacity (stainless steel)

- Low dump - 3000 to 4000 kg
- High dump – 1700 to 2000 kg

1.1.3 Dust Control System:

Filter system: Dry-filtering

Filter type: Mildew resistant, synthetic envelope style

Filter area: 21 m²

Dust filtration: PM-10 certified,

Vacuum fan motor: 11 kW

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1.1.4 Propelling System:

Engine type: Diesel

Propel speed forward (variable to): 40 km/h

Propel Type: Hydrostatic

Gradient

- Full hopper 8 deg / 14%
- Empty hopper 12 deg / 21%

1.1.5 Machine Specifications:

Length

- Standard machine 4,445 mm
- With Vario Sweeping Brush 5,230 mm

Width: 1,780 mm

Height: 2,540 mm

Weight-net base machine: 5,670 kg

Turning radius: 4 m

1.2 Requirements from the Supplier

1.2.1 Call out response for breakdown repairs with their own labour and provide a spare machine in the interim to support technical in an event of an extended breakdown.

1.2.2 Response time must be within 24 hours from the time of notification.

1.2.3 Successful bidders will be required to submit a safety file which will be verified by TPTs SHERQ department for compliance.

1.2.4 All specification on clause 1.1 and 1.2 must be met and the overall condition of machinery must be good.

1.2.5 Inspection of the equipment must be conducted by the examiner on the delivery date. Acceptance will only be confirmed once the examiner has approved and certified the equipment as fit for duty. Please ensure that the equipment is delivered before 13:00, preferably in the morning, to facilitate the inspection process.

1.2.6 A load test certificate must accompany the machinery upon delivery.

1.2.7 Machine to be supplied with full tank of diesel and will be returned with full tank(dry rate.)

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1.2.8 Engine to be able to work with 50ppm diesel

2. Additional requirements

- 3.2.1. The supplier shall provide a maintenance plan with regular maintenance schedules as recommended by the Original Equipment Manufacturer (OEM) for the 3-month rental period.
- 3.2.2. The supplier shall provide an operator manual that clearly details machine operation, safety features, and troubleshooting.
- 3.2.3. The supplied sweeper shall be fitted with a valid fire extinguisher and meet all relevant safety standards.
- 3.2.4. The supplied sweeper must have lockable doors and preferably an anti-theft mechanism.
- 3.2.5. The sweeper shall have a GPS enabled tracking system to track location and daily activity.
- 3.2.6. The supplier shall provide operator training on delivery, covering the following topics:
 - Conducting pre-operating inspections
 - Identifying and avoiding common hazards
 - Using correct safety gear
 - Safe operating procedures and practices
- 3.2.7. The supplier shall provide a warranty covering the 3-month rental period, ensuring the sweeper remains in good working condition.

NB: Any deviation from the scope needs to be authorised before the work is performed.

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