



PetroSA

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The information given below is an extract of the scope of work. **To access/open the full set of tender documentation, you must be registered on CSD.**

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Username: MAAA...
User Code: MAAA...
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Contact the call center on **012 663 8815** or email: **support@intenda.net** if you are having problems with your login.

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<http://www.procurement.petrosa.com/Downloads/Documents/SupplierSelfRegistration.pdf>

SCOPE OF WORK

ENQUIRY NO: AHT26853

DESCRIPTION: CALIBRATION OF WEIGHBRIDGE AT THE PetroSA GTL REFINERY IN MOSSEL BAY

DURATION: 3 DAYS

START DATE: 20 AUGUST 2026

1. SCOPE OF WORK

1.1 SERVICES

PetroSA requires a service provider to conduct the following services at the GTL Refinery in Mossel Bay;

- Perform calibration of weighbridge scale in accordance with **national metrology standards** and manufacturer specifications.
- Conduct **pre-calibration inspection** to verify mechanical integrity, load cells, and electronics.
- Use **traceable calibration weights** certified by an accredited body.
- Provide a **calibration certificate** for weighbridge, detailing results, compliance status, and recommendations.

- Carry out **minor adjustments** where necessary to ensure accuracy within permissible tolerance.
- Submit a **service report** including before/after readings, corrective actions, and technician details.

1.1.1 Detailed Scope of Work

- **Calibration in Accordance with Standards** - All weighbridge calibration activities must comply with **national metrology standards** (e.g., OIML R76, ISO/IEC 17025) and the original **manufacturer's specifications**. This ensures accuracy, traceability, and regulatory compliance.
- **Pre-Calibration Inspection** - Technicians must conduct a thorough inspection of the weighbridge before calibration, including:
 - Mechanical structure (platform, foundation, joints, and fasteners)
 - Load cells (checking for corrosion, alignment, and electrical integrity)
 - Junction boxes and cabling (ensuring no damage or loose connections)
 - Indicator and display units (functionality and accuracy)
- **Use of Traceable Calibration Weights** - Calibration must be performed using **certified test weights** that are traceable to a national standards laboratory. Documentation of weight certification must be provided to the client.
- **Issuance of Calibration Certificate** - After calibration, a formal **calibration certificate** must be issued for each weighbridge. The certificate should include:
 - Identification details of the weighbridge (serial number, location, capacity)
 - Calibration results (before and after readings)
 - Compliance status (pass/fail against tolerance limits)
 - Technician's name, accreditation details, and date of calibration
 - Recommendations for corrective actions or future maintenance
- **Minor Adjustments and Corrections** - Where deviations are detected, technicians must perform minor adjustments (e.g., recalibration of load cells, tightening of connections, indicator recalibration) to bring the weighbridge within permissible tolerance levels.
- **Service Report Submission** - A detailed service report must be submitted after each calibration session, including:
 - Pre-inspection findings
 - Calibration procedure followed
 - Before/after readings and adjustments made
 - Any faults detected and corrective actions taken
 - Technician details and accreditation number

1.1.2 Weighbridge Specifications

Indicator Make: Bilanciai
 Model: D800
 Identification Number: 206477
 Maximum Capacity: 20 tons
 Graduation: 20kg
 Make & Model: 20m x 3m SASCO Concrete