

Document Title:

**SCOPE OF WORKS FOR THE SUPPLY, DELIVERY AND
INSTALLATION OF AN ORBIT PROGRESSIVE CAVITY PUMP
IN ACCORDANCE WITH TPL SPECIFICATIONS**

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REVISION 02

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1. Introduction

Transnet Pipelines (TPL), a division of Transnet SOC Ltd, provides strategic pipeline infrastructure, with associated world class pipeline logistics, for the petroleum and gas industries of South Africa. This is done in partnership with our customers and stakeholders thereby assuring the African sustainable development imperative. Established in 1965, TPL owns, maintains, and operates a network of 3 114 km of high-pressure petroleum and gas pipelines. The pipeline transverses five different provinces (Kwa-Zulu Natal, Gauteng, Northwest, Free States and Mpumalanga) ensuring security of supply of petroleum products into the inland market.

2. Background

Due to the nature of the business, which is the transportation of highly flammable liquids, the fire risk to the Transnet Pipelines Infrastructure and its employees is always constantly present. Therefore, it is imperative that the TPL Fixed firefighting system is always kept at maximum efficiency and reliability. As a results, Transnet Pipeline have embarked on a process to appoint a service provider to supply, deliver and install an Orbit Progressive Cavity Pump for the introduction of the Firefighting Foam to the fixed firefighting system for Waltloo Depot, please refer to Table 1 below for the address.

Table 1: Delivery Location

Depot Name:	Waltloo (WAO)
Physical Address:	274 Alwyn Street, Waltloo Pretoria. 0184

3. Tender Pre-Qualification Requirements

The tenderer is required to submit the following Requirements for approval to be considered for the tender evaluation, failure to submit the required documents will result in the rejection of the bid.

- Signed Pump Operating Vendor Datasheet
- Tender briefing attendance certificate or Signed Register

4. Description of scope

- Supply, delivery and installation of an Orbit Progressive Cavity Pump with Ancillary equipment with the specifications outlined in section 6.1.

5. General Requirements

- The service provider is required to attend the compulsory tender briefing, and a signed attendance register and/or attendance certificate will be used as proof of attendance.
- The service provider shall issue a certificate of Compliance (CoC) for the pump Installation and the operating and maintenance manuals when delivering the pump.
- The service provider shall provide the installation datasheet after the installation of the pump.
- The service provider is expected to participate on an on-site emergency drill should such a drill take place while the service provider is delivering the pump.
- The service provider is required to wear the necessary PPE prior to entering TPL Sites:
 - Hard hat
 - Flame Retardant Overall
 - Safety boots and clothes
- The services provider's personnel will be subjected to an alcohol breathalyzer prior to entering TPL Site for delivery.

6. Technical Requirements

6.1 The type of the foam Pump required:

Table 2: Pump Technical Requirements

Pump Description	
Name	Orbit Progressive Cavity Pump
Model	Orbit D5403
Capacity @ duty point	330 LPM
Head @ duty point	1350 KPa
Pump Speed	+/- 600 RPM
Pump Orientation	Horizontal
Belts & Pulleys	Yes (FENNER "SPB")
Belt Tensioner	Yes (FENNER "ROSTA") type: Grooved idler pulley to run on inside of belts

7. Health and Safety Compliance

➤ CONTRACTOR ORGANOGRAM

- Site Specific Organogram of reporting structure. This document must provide all persons appointed in terms of OHS Act No. 85 of 1993 including contact details. (Rev, date, approval)

➤ INSURANCE COVER

- Contractor proof of good standing with the compensation fund or with a licensed compensation insurer – Letter of Good Standing

➤ MANAGEMENT PLANS

- SHE Management Plan – Project specific
- Proof of calibration for equipment to be used.
- Service Provider Health and Safety Policy
- Emergency Contact numbers

➤ APPOINTMENTS

- Fully completed and signed Legal Appointments as required by legislation and training certificates as well as abbreviated CV attached to the appointments, minimum following appointments but not limited to:
 - ✓ Act 16(1) – Responsible Person (CEO) or Act 16(2) – Delegated authority (Assistant to the Chief Executive Officer)
 - ✓ CR 9(1) – Risk Assessor
 - ✓ SEC 8(2)(I) – Supervisor
 - ✓ CR 23 (d) (k) – Vehicle Operator and Inspector

➤ RISK ASSESSMENTS: SAFE OPERATING PROCEDURES

- Project task specific risk assessment indicating the full scope of work.
- Method statement / safe work procedure for the tasks to be performed.

➤ INDUCTION DOCUMENTS

- Service Provider and its contractors shall provide the following:
- Induction application forms completed for every employee of the Service Provider performing work on site, the following shall be attached:
 - ✓ Employee dossier with applicable documentation
 - ✓ Certified copies of IDs not older than three months
 - ✓ Work permits for foreign nationals.

- ✓ Valid certificate of medical fitness for all – issued by Occupational Health Practitioner
 - ✓ Proof of competence i.e.: for competent personnel to do the installation, etc.
- MANDATORY AGREEMENT
- In terms of section 37(2) of the OHS Act, Service provider to sign an agreement with Transnet Pipelines. Signed copy of mandatory agreement provided.
- TRAINING RECORDS AND COMPETENCY CERTIFICATES
- The service provider shall provide competent personnel to install the Orbit progressive Cavity Pump.
 - Copies of training certificates certified within three months.
- REGISTERS
- Copy of equipment registers to use with copy of each item's inspection checklist, eg.
 - ✓ Vehicle Inspection Register
 - ✓ Hand tools
 - ✓ Daily Risk Assessment and Toolbox talks
 - ✓ PPE Inspection Register, etc.