

Document Title:

SCOPE OF WORK

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Provision of Variable speed drives (VSD) breakdown assistance services at Transnet Soc Limited (Reg. no. 1990/000900/30) Operating as Transnet Port Terminals (hereinafter referred to as "TPT") at the Port of Port Elizabeth Container Terminal as a 550-hour breakdown assistant service, as and when required.

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1. BACKGROUND

Multi-purpose Terminal (MPT) operates in loading and offloading of manganese via Tipplers, Stackers, Reclaimers and Ship loaders. The terminal also uses various mobile equipment for operation and to perform the maintenance.

2. PROBLEM

MPT equipment is required to operate at its efficiency maximum capability and to comply with port regulations. As part of this the terminal requires Variable speed drive (VSD) breakdown assistance on the Reclaimers, Stackers, ship loaders and tipplers as and when required.

3. OBJECTIVE

The appointed Service Provider will be required to render VSD breakdown assistance services for Reclaimers, Stackers, Ship loaders and tipplers as and when required. The Service Provider will also be required to provide a reactive maintenance and support service on a 24/7. The subsequent sections provide more detail around these specifications.

Table 1: VSD Specifications: SIEMENS Electronic Drives

Equipment list Drives		
Machine	Part no.	Quantity
A and B Charger		
Arm Drive	6SL3210-1PE14-3UL1	1
Travelling	6SL3225-0BE33-7UA0	2
A and B Feeder Drives		
Long Feeder	6SE6440-2UD31-8DA1	2
Short Feeder	6SE6440-2UD31-1CA1	2
STACKING CONVEYOR DRIVES		
1A and 1B	6SL3210-1PE27-5UL0	2
2A and 2B	6SL3210-1PE31-BUL0	2
3A and 3B	6SL3210-1PE26-0UL0	2
4A and 4B	6SL3210-1PE32-5UL0	2
A and B STACKER DRIVES		
Slew Drive	6SL3210-1PE23-3UL0	2
Long Travel	6SL3210-1PE31-5UL0	2
Cable reel	6SL3224-0BE23-0AA0	2
A and C RECLAIMER		
Bucket Wheel	6SL3210-1PE32-5UL0	2
Long Travel	6SL3210-1PE31-5UL0	2
Slew	6SL3210-1PE26-0UL0	2

4. Scope of Work:

- Contractor to provide electronic drive services to TPT as and when required, for the duration of the hours quoted for.
- Contractor to be available on standby to perform work required on 24hr basis to support the business.
- A lead time or response time of 60min after a call has been made to the contractor is expected
- Contractor to quote based on **550 electronic drive services hours including the weekends, PPH and over time.**
- **The hourly rate shall be inclusive of all call outs fees during weekends and after hours (Transnet will not accept any additional charges for call out or over time worked.)**
- **Contractor will be required to assist Transnet during and after hours.**

5. Reactive Maintenance & Support

The appointed Service Provider will provide 24/7 telephonic support and onsite breakdown support. Equipment manuals and troubleshooting guides shall also be supplied on request. The Service Provider shall have technician with expert knowledge on standby on a 24/7 basis and shall provide reliable contact numbers and personnel for telephonic and on-site support.

The Service Provider shall ensure that the standby technician is on site within 24 hours of being called out for on-site breakdown support. Any breakdowns attended to by the Service Provider will be followed by a detailed breakdown report.

6. Service Provider's responsibilities:

The Service Provider will assume the following responsibilities:

- Contractor to be available on standby at all time needed by the terminal
- Compiling root cause analyses reports for all breakdowns, faults and damaged VSD equipment.
- **To be eligible to quote the contractor is to submit the following documentation and certificates, upon submitting their quotation.**
 - **Technician Requirements: Certificates to be submitted:**
 - **Siemens Certified Service Technician Level 2**
 - **Technician to have attended a SCT-S7NETSIA training course.**
 - **Contractor accreditation: Document to be provided.**
 - **Contractor to be accredited by SIEMENS to be able to conduct works on SIEMENS automation and drives.**

7. Transnet Port Terminal's Responsibilities

TPT will assume the following responsibilities:

- TPT will make a representative available to accompany the technician to the equipment due for service and maintenance.
- The TPT representative will arrange all permits necessary to do service and maintenance.

8. SECURITY REQUIREMENTS

The service provider will need to comply with the following security requirements once she file has been approved:

- Copy of Identification Document (SAPS Certified)
- Duration of permit required
- Name list of persons and list of vehicles
- Copy of Safety Induction Register
- Copy of Medical fitness certificates
- Driver's licences for all vehicles drivers (SAPS Certified)
- Valid roadworthy certificate for all vehicles / copy of latest license renewal
- Hired vehicle – Proof of Lease agreement

9. GENERAL REQUIREMENTS

- The following documents must be submitted with the SHE file for approval by the TPT SHEQ department before any work commences:
 - Annexure A: Section 37 Mandatary Agreement
 - Annexure B Contractor Questionnaire
 - Annexure C Contractor Compliance File Assessment Checklist
- The contractor must ensure safe working practices during work on site.
- Transnet Port Terminals cannot be held responsible for any injury that occurs on site.

DOCUMENT PREPARATION

	Name	Title	Signature	Date
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