



**APPOINTMENT OF A SERVICE PROVIDER
TO RENT OUT FORKLIFTS (3 TON, 5
TON, 7 TON AND 11TON) AND
TRACTORS FOR 12 MONTHS TO
TRANSNET ENGINEERING.**

**03 KESWICK ROAD
GERMISTON**

DOCUMENT No: PEM_GMX_SPEC_02

Revision 001

Date of release: OCTOBER 2023

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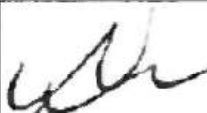
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Signature of Bidder/s: _____

Date: _____

DOCUMENT AUTHORITIES

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Signature & Date	 09.11.2023

Signature of Bidder/s: _____ Date: _____

1. INTRODUCTION

This specification is for the:

#	TASK	REQUIRED
1	Design	
2	Rental	✓
3	Support service	✓
4	Call centre / dedicated line	✓
5	Licences	✓
6	Documentation	✓
7	Load Testing	✓
8	Maintenance	✓
9	Service	✓

of the specified:

#	ITEM	REQUIRED
1	The appointment of a service provider to rent out forklifts (3-ton, 5 ton 7 ton and 11 ton) and tractors for 12 months to Transnet Engineering.	✓

2. SITE INSPECTION

- 2.1 All prospective contractors shall be required to undertake a compulsory site inspection to fully acquaint themselves with all aspects involved.
- 2.2 Arrangements to visit the site and confirmation of the date and time of the site inspection shall be made with Transnet Engineering Contract Manager.
- 2.3 The site inspection certificate shall be completed and countersigned by the Contract Manager on the day of the visit and must be submitted with the tender documents.

3. INFORMATION REQUIRED

- 3.1 Offers will not be considered unless full particulars and sufficient literature are provided at the tendering stage to enable Transnet Engineering Technical Officers the opportunity to assess each technical offer properly.
- 3.2 Prospective Contractors will complete the relevant questionnaire in full and must indicate whether their offer complies with each item of the specification.
- 3.3 Should there be insufficient space for furnishing full details; contractors shall provide the additional details in their covering letter. The additional details shall be numbered in accordance with the applicable clause specified in the specification.
- 3.4 As prospective contractors are considered to be experts in their field, they are obliged to identify any shortcomings, such as omissions or sub-standard requirements, to the completeness of this specification. These must be brought to the attention of Transnet Engineering at tender stage with alternatives to address these shortcomings. However, each offer shall be quoted for separately.

Signature of Bidder/s: _____

Date: _____

4. SPECIFIC REQUIREMENTS

Any person with the intention of tendering shall ensure that the information below is complied with. The specification requirements are binding.

4.1 Environment

- Indoors and outdoors.
- Refer to section 11 for external conditions.

4.2 Scope of work (overview)

<u>Item no.</u>	<u>Requirements</u>	<u>Complying YES (if complying) or NO (if not complying)</u>
	This specification covers the minimum requirements.	
4.2.1	This scope of work shall be read with annexure 1 (Contractor safety, health and environmental management specification guidelines).	
4.2.2	The service provider shall have a call centre to receive calls emanating from breakdowns and any other issues disrupting the continuous operation of vehicles. If there is no call centre, there shall be a person dedicated to answer calls from Transnet Engineering (TE). Service provider shall supply alternative number to be used for reporting faults on emergency breakdowns on weekends and after hours. NB. Bidders to provide proposals on how to handle calls.	
4.2.3	All vehicles (forklifts and tractors) shall be roadworthy and licenced by the Department of Transport (of South Africa). Forklift and Tractor must comply to the relevant standards SANS 10388:2019, SANS 476: 2007, SANS 477:2009 and relevant SANS standards	
4.2.4	All vehicles shall have the licence disks, issued by the Department of Transport (of South Africa).	
4.2.5	The valid load test certificates shall be submitted to Transnet Engineering. The load tests and certificates shall be included in this contract, no additional purchase orders will be allowed. Load test guideline below	
4.2.6	Forklifts and Tractors) shall be in good working condition at all times. <ul style="list-style-type: none"> • The forklifts shall have the lifting forks. 	
4.2.7	The service provider can supply and deliver new or used materials handling equipment: <ul style="list-style-type: none"> • For new equipment, the service provider must provide the proof of purchase document from the Service Provider/OEM, the letter must include the service providers details and equipment information/specifications purchased as per scope of work. • For second-hand equipment the service records indicating the service hours, and service history must be submitted. The equipment must not be older than 4000 hours on the clock or not more than 2 years. • If the service provider intends to lease equipment, a letter of intent to lease must be submitted from the lessor signed by both parties or a lease agreement for the equipment leased signed by both parties. The letter submitted must include all the equipment intended to be leased 	

Signature of Bidder/s: _____

Date: _____

	<p>accompanied by service records indicating the service hours and service history must be submitted; the leased equipment must not be older than 4 000 hours or not more than 2 years.</p>	
4.2.8	<p>The leased equipment will be operational per month, twelve months per year. Supplier to quote based on monthly operational rate.</p>	
4.2.9	<p>If the service provider already own the forklifts and shunting tractors, the details of vehicles and proof of ownership shall be attached in the bid documents.</p>	
4.2.10	<p>The service provider shall ensure that for the duration of this contract the vehicles are repaired and serviced at all service intervals, as required by the manufacturers of vehicles.</p> <ul style="list-style-type: none"> The current vehicles repair records and service books for the duration of the contract shall be made available to Transnet Engineering. 	
4.2.11	<p>Bidders to write and attach a letter in the bid documents to commit themselves to include the interval service, maintenance and repairs, call centre and turn around time (repair and/or service vehicles within 24 hours, otherwise provide the substitute vehicle(s).</p>	
4.2.12	<p>The service provider to submit service plans for all vehicles.</p>	
4.2.13	<p>The service provider to manage service intervals and load testing intervals.</p>	
4.2.14	<p>Only repairs that are a result of abuse, negligence and/or poor safekeeping by Transnet Engineering staff will be paid for by Transnet Engineering.</p>	
4.2.15	<p>The service provider shall pay for repairs of vehicles resulting from poor interval service, skipping of service intervals and use of inferior parts / spares.</p>	
4.2.16	<p>All vehicle breakdowns shall be attended to immediately.</p> <ul style="list-style-type: none"> The service provider to ensure that if one of their vehicles cannot be repaired within a day, a substitute vehicle shall be made available. 	
4.2.17	<p>Transnet Engineering will not accept very old vehicles that are not economical to operate.</p>	
4.2.18	<p>Bidders to submit the proposals with literature for the proposed vehicles, odometer readings. It would take ____ day(s) to deliver vehicles to TE. If the proposed vehicles are currently not in the possession of bidders at the time of bidding, bidders shall indicate as to when the vehicles would be available after the issue of PO / appointment letter if the bid is successful.</p>	
4.2.19	<p>It shall be noted that immediately after the current contract expires, Transnet Engineering requires the new service provider to make their forklifts available to prevent disruption of operations.</p> <ul style="list-style-type: none"> The bidder's proposals to be in line with the requirements of Transnet Engineering, otherwise the bid will be rejected. 	
4.2.20	<p>Service provider must ensure that Transnet Engineering receives a monthly operational report and CIS – (Customer information schedule) report before the 05th of each month after sending invoices. No invoice will be processed without the monthly operational report and CIS -Customer information schedule report.</p>	

Signature of Bidder/s: _____

Date: _____

Load test guideline

ANNUAL PERFORMANCE TEST ON A LIFT TRUCK

- The performance test must be carried out by AIA personnel possessing the following according to the ECSA Act 46 of 2000; the relevant scope of work (Registration of LMI for Forklift Document copy) to conduct lift truck/s Examinations, inspections, and testing.
- Non-Destructive Test Technician certificate copy supplied if Non-Destructive Test is to be carried out.
- All relevant safety standards to be followed, OHS Act, ISO; SANS & COP 29.

Performance/Load Testing includes but not limited to:

1. Perform the general inspections & examinations of the forklift.
 2. Make use of Weights designed for forklift performance testing to the proven accuracy as per standard.
 3. Conduct the Performance test through the full working range of the forklift & all motions with the test weights, of the machine rated capacity as per standard.
 4. The test weights mass must be calibrated & be within the calibration dates at the time of forklift test and supply test weights mass calibration certificates thereof.
 5. All detailed measurements of load chain must be conducted per standard.
 6. All detailed measurements of forks must be conducted e.g., forks-tip alignment & height, forks wear & forks-heal angle.
 7. All detailed measurements of mast & tilt creep under load must be conducted per standard.
 8. Perform the machinery service brake test as per standard.
 9. Perform a seat belt test per standard.
- All performance tests above must be carried out, including the major performance test of the forklift as per SANS Standards.
 - **The Authorized inspection Authority (AIA) must inform Transnet LMI to be on site to witness the examinations and the performance test.**
 - **The AIA must “NOT” remove any stickers on the Forklifts showing at least five (5) previous load test dates (History of load tests).**
- **Issuing of fitness examination & performance test report/certificate:**
 - Performance test certificate reflecting that LIFT Truck is “fit for use or continue use”.
 - Performance test certificate detailing how performance test was undertaken.
 - Serial number, Model & Data plate details.
 - Explain the inspection report to the Transnet LMI and the User.
 - **To hand in Performance test Certificates in 5 working days.**

Signature of Bidder/s: _____

Date: _____

Item no.	Requirements This specification covers the minimum requirements.	Complying YES (if complying) or NO (if not complying)																																																																																																																																												
4.2.20	<p>The service provider to rent out to Transnet Engineering the following vehicles:</p> <table border="1" data-bbox="244 678 1126 1585"> <thead> <tr> <th>Business</th> <th>Cost centre</th> <th>3 Ton</th> <th>5 Ton</th> <th>7 Ton</th> <th>11 Ton</th> <th>Dezzi</th> </tr> </thead> <tbody> <tr><td>Wagons Polokwane</td><td>1487</td><td>1</td><td></td><td>1</td><td></td><td></td></tr> <tr><td>Wagons Sentrarand</td><td>1417</td><td>3</td><td></td><td>1</td><td></td><td></td></tr> <tr><td>Wagons Sasolburg</td><td>1427</td><td>2</td><td>1</td><td></td><td></td><td></td></tr> <tr><td>Wagons MCBA Store</td><td>1407</td><td>2</td><td>1</td><td></td><td></td><td>1</td></tr> <tr><td>Wagons Mafikeng</td><td>1467</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Wagons Kroonstad</td><td>1477</td><td>1</td><td></td><td></td><td></td><td>1</td></tr> <tr><td>Auxiliary Phalaborwa</td><td>1507</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Locomotive Sentrarand</td><td>1117</td><td></td><td>1</td><td></td><td></td><td></td></tr> <tr><td>PEMM Germiston</td><td>7107</td><td></td><td>1</td><td></td><td></td><td></td></tr> <tr><td>Germiston Maintenance</td><td>1437</td><td>2</td><td></td><td></td><td></td><td></td></tr> <tr><td>Auxiliary Germiston</td><td>1507</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Wheels Germiston</td><td>2207</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Wagons Bogie Line Germiston</td><td>1407</td><td></td><td></td><td>1</td><td></td><td></td></tr> <tr><td>Loco Krugersdorp</td><td>1147</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Loco Springs</td><td>1137</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Wagons Vacuum Cylinder</td><td>1407</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Wagons Coligny</td><td>1467</td><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>Container Repairs</td><td>1457</td><td></td><td></td><td></td><td>1</td><td></td></tr> <tr><td>Total</td><td></td><td>19</td><td>4</td><td>3</td><td>1</td><td>2</td></tr> </tbody> </table>	Business	Cost centre	3 Ton	5 Ton	7 Ton	11 Ton	Dezzi	Wagons Polokwane	1487	1		1			Wagons Sentrarand	1417	3		1			Wagons Sasolburg	1427	2	1				Wagons MCBA Store	1407	2	1			1	Wagons Mafikeng	1467	1					Wagons Kroonstad	1477	1				1	Auxiliary Phalaborwa	1507	1					Locomotive Sentrarand	1117		1				PEMM Germiston	7107		1				Germiston Maintenance	1437	2					Auxiliary Germiston	1507	1					Wheels Germiston	2207	1					Wagons Bogie Line Germiston	1407			1			Loco Krugersdorp	1147	1					Loco Springs	1137	1					Wagons Vacuum Cylinder	1407	1					Wagons Coligny	1467	1					Container Repairs	1457				1		Total		19	4	3	1	2	
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Signature of Bidder/s: _____

Date: _____



4.3 Scope of work (Forklifts)

<u>Item no.</u>	<u>Requirements</u>	<u>Complying YES (if complying) or NO (if not complying)</u>
	<u>This specification covers the minimum requirements.</u>	
4.3.1	Provide the rental forklifts (powered by diesel engine) for 12 months.	
4.3.2	Forklifts shall have, 3 Ton, 5 Ton, 7 Ton, 11 Ton capacities and be equipped with lifting forks.	

5. Specification for the shunting tractor.

ITEM NO.	MINIMUM REQUIREMENTS	Details of Offer Comply (Yes)/ Does not Comply (No)
5.1	Axles Front : Non drive (4x2). Pivoting steering axle. Rear : ITL PD 90.	
5.2	Steering Fully hydraulic orbital controlled steering with double acting cylinder. Full flow filtration. Working pressure of 10.3 MPa (1500 Psi).	
5.3	Tyres Front : 10.5 x 16" (14 Ply) 14.9 x 24" (14 Ply) Rear : 18.4 x 34" (10 Ply) 18.4 x 38" (10 Ply)	
5.4	Electrics Voltage : 12 Volt. Battery : 1 x 12 Volts sealed type. Alternator : 12 Volt / 55 Amps.	
5.5	Brakes Type : Inboard wet sealed disc brakes. Park Brake : Mechanically applied disc brake at transmission output.	
5.6	Pneumatic System Capacity : 20 Litres. Working Pressure : 120 Psi (8.1 Bar) Unloader valve controlled.	
5.7	Engine Type : Cummins. Model : 6BT. Capacity : 5.9 Litres. Power : 97 kW @ 2200 RPM. Torque : 526 Nm @ 1600 RPM.	
5.8	Additional equipment Stainless steel exhaust. Tachograph.	

Signature of Bidder/s: _____

Date: _____

5.9	Transmission Type: ITL. Model: PS 720. Gearing: Full power shift/automatic with downshift protection. Gears: Forward – 4. Reverse – 4. Speed: 45 km/h. Torque converter: single phase element, multi-phase.	
5.10	Hydraulic System Oil Capacity: 60 Litres. Pumps: Fixed displacement gear driven. Working Pressure: 2200 Psi (15.1 MPa) Full flow filtration.	
5.11	Service Capacities Cooling system: 32 Litres. Diesel Tank: 135 Litres. Hydraulic System: 60 Litres.	
5.12	Cab features <ul style="list-style-type: none"> • Fully adjustable weight compensating operator seat with built in suspension. • Seat belt. • Cab access: side door. • Cab light • Windshield wiper. • Fully enclosed and lockable. • Roof mounted ventilation fan. 	
5.13	Operational weights Total tare: 6000. V: 12200. D/T: 30000kg.	
5.14	Dimensions Approximately 4140 {length) including wheels length}} x 3120 (height).	
5.15	The tractor shall have a pusher plate with a coupler both front and back and be suitable for shunting Transnet rolling stock especially locomotives.	

Signature of Bidder/s: _____

Date: _____



6. CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB) REGISTRATION

There is no requirement for CIDB grading.

7. OTHER INFORMATION RELATED TO THE SCOPE

- 7.1 This specification states the minimum requirements relating to the work and in no way absolves the contractor from responsibility for sound ethical and engineering practices. Any omissions or sub-standard requirements of this specification must be brought to the attention of Transnet Engineering at tender stage and optional prices for addressing such omissions must be provided.
- 7.2 Any matter relating to this work, which requires a decision from Transnet Engineering shall be presented to the Project Manager in charge.
- 7.3 All offers shall be completed in every respect with this specification. Only completed tenders shall be considered.
- 7.4 The Technical Officer reserves the right to have the proposal checked independently by a third party.

8. HEALTH AND SAFETY REQUIREMENTS

- 8.1 All equipment whether detailed in this specification or not shall comply with the requirements of the Occupational Health and Safety Act 85 of 1993 as amended and all other applicable legislation including specific set of regulations and local authority bylaws where applicable. All equipment shall be designed **to be fail safe.**
- 8.2 All the necessary safety equipment such as guards over rotating equipment shall be supplied and the equipment shall comply fully with all the requirements of the South African Occupational Health and Safety Act, Act 85 of 1993 and all other applicable legislation including specific set of regulations and local authority bylaws where applicable. At all times during the manufacture, assembly and testing of the equipment the contractor will be responsible for the safety of all persons on site and the equipment.

8.3 SHE SPECIFICATION

Prior to commencement of contract, the contractor shall be issued with a SHE specification in order specification in order to compile a SHE files in line with TE requirements.

The Contractor's personnel directly involved with this contract, including those of sub-contractors, attend a **Safety induction course.** Transnet will provide the course free of charge and attendance is compulsory for all personnel under the control of the Contractor who, during the duration of the contract will be present on site whether on a full time or adhoc basis.

The contractor must allow for all additional charges because of these requirements as no claims for extras will be accepted in connection with the foregoing.

8.4 As part of the legislative and TE SHE requirements.

The successful contractor is required to conduct a Risk assessment to ascertain all potential risks associated with this project. The completed risk assessment is to be formally submitted to the Risk department via the project manager at least two weeks prior to the commencement of the actual project. A safety file and associated documents will be required from a successful tenderer, and such will be communicated by the Risk department.

Signature of Bidder/s: _____

Date: _____

9. SPECIALIST SUB-CONTRACTORS

- 9.1 Only specialist sub-contractors who have previously successfully completed work of the type and extent specified in this document should be engaged.
The tenderer shall provide the technical officer with sufficient proof of having suitable experience regarding the design and manufacturing of similar equipment. To this end, complete and detailed reference list shall be submitted with the tender. Reference list shall include addresses as well as contact person who may be visited for inspection of the equipment during the adjudication period.
- 9.2 The tender shall submit a complete list of proposed sub-contractors and suppliers of major components with his tender.
- 9.3 The tenderer shall be prepared to commit themselves in writing to the technical officer with an adequate, experienced and stable project team for the duration of the contract.
- 9.4 Transnet Engineering will not consider any Tenderer's offer that, in the sole opinion of Transnet Engineering, does not have adequate experience in the design and manufacture of such equipment.
- 9.5 Contractors shall do the installation simultaneously with other contractors on-site busy with other work and shall plan work that it integrates with other work performed.

10. GENERAL REQUIREMENTS

Operations will be in the following conditions:

Altitude	Sea level
Ambient temperature	0°C to 45°C
Relative humidity	50% to 100%
Atmosphere	Heavy saline

- 10.1 Tenderers shall indicate clause-by-clause either that they comply in every respect with the specific requirements, or if not, exactly how it differs.

11. DEFINITIONS AND ABBREVIATIONS

CLIENT	Transnet Engineering Germiston.
TECHNICAL OFFICER	Project Manager, Transnet Engineering.
CONTRACTOR	Contractor appointed under this specification document.
SABS	South African Bureau of Standards.
TE	Transnet Engineering.
VEHICLES	Forklifts and shunting tractor.

Signature of Bidder/s: _____

Date: _____

12. GENERAL

12.1 The successful tenderer will be subjected to a workshop inspection by Transnet Engineering, to ensure that the facilities are to the satisfaction of the Transnet Engineering in terms of the quality control and equipment capabilities for manufacturing such type of equipment.

13. PENALTY CLAUSES

13.1 Due to the criticality of this work, penalties will be levied for late deliveries.

Signature of Bidder/s: _____

Date: _____