



# **TRANSNET ENGINEERING**

## **REPAIRS TO DAMAGE BUND WALL BEHIND BAY 52**

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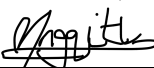

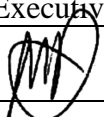
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Signature of Bidder/s: \_\_\_\_\_

Date: \_\_\_\_\_

## Document Authorities

Department	PEMM, Wheels
Department Affected	PEMM, Wheels
Effective date	October 2024
Compiled by	Stanley Mchunu
Designation	Construction Project Manager
Signature & Date	 18.10.2024
Reviewed by	Zolani Mngqithi
Designation	Engineering Technician
Signature & Date	 18.10.2024
Reviewed by	Mandla Sokhela
Designation	Local Business Manager
Signature & Date	 18/10/2024
Approved by	Mhlonipheni Nxumalo
Designation	Executive Manager
Signature & Date	 01/11/2024

Signature of Bidder/s: \_\_\_\_\_

Date: \_\_\_\_\_

## 1. INTRODUCTION

This specification is for the:

#	TASK	REQUIRED
1	Supply	✓
2	Delivery	✓
3	Repairs	✓
4	Installation	✓

### 1.1 Scope of Works

**Repairs to damage bund walls.**

- **This is a fixed value contract so the Tenderer shall ensure that all the costs (for materials, plant, labour, P&G items and any other items) are factored and included into the tendered price.**

## 2. SITE INSPECTION

2.1 Arrangements to visit the site and confirmation of the date and time of the site inspection shall be made with the Transnet Engineering Project Manager.

## 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; prospective 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.

## 4. TECHNICAL REQUIREMENTS

The following regulation and codes must be complied with:-

- The Occupational Health and Safety Act – Act 85 of 1993.

- 4.1 Except where otherwise provided for in the specification, all equipment offered will comply with the requirements of the relevant standard specifications of the SABS/SANS, if published, otherwise with the relevant standard of the British Standards Institution in force at the time of tendering.
- 4.2 Where equipment offered complies with the recognized standards of the country of manufacture and not specifically with the standards required by this specification, such equipment will be considered at the discretion of Transnet Management. In this case, Tenders shall state fully all respects in which the equipment departs from the standard laid down in this specification.
- 4.3 The successful Tender will at the conclusion of the installation provide a document along the lines “that the installation complies with national/international requirements and that all selected /designed items are

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compliant with Act 85 of 1993 and SABS/SANS practices applicable to the installation. The equipment has been commissioned/ calibrated and employees as specified have been trained and found competent to operate the plant.”

## 5. SPECIFIC REQUIREMENTS

**Any person with the intention of procuring the materials shall ensure that the information below is complied with. The requirements are binding.**

### 5.1 Scope of works

Item no.	REQUIREMENTS
5.1.1	Read this scope of work with document number, Annexure 1 (Transnet contractor safety, health and environmental management specification guidelines TRN-IMS-GRP-GDL-014.2).
5.1.2	The service provider is required to submit a SHE Contractor Compliance file at their own cost (Index to be provided to the successful service provider); - This file shall be submitted after the Purchase Order has been issued, not at tender stage.
5.1.3	<ul style="list-style-type: none"> <li>The appointed contractor shall note that this is a minimum specification for the Repairs to damage bund walls behind bay 52 <b>(23m x 4m)</b></li> <li>All site operations, the relevant legislation and guidance on matters pertaining to safety must be strictly adhered to, as well as labour, transport, tools and all other items required to start and complete this project, is a responsibility of the successful contractor.</li> </ul>
5.1.4	All materials shall be SABS/SANS approved.
5.1.5	The works (workmanship and materials) shall have a warranty and a provision for emergency for damages.
5.1.6	<p><b><u>REPAIRS TO DAMAGE BUND WALLS</u></b></p> <p>The contractor is to have the area surveyed before any construction to determine the existing drainage system if all working.</p> <ul style="list-style-type: none"> <li>Report shall be submitted to the Project Manager prior to work commencing.</li> <li>Damaged bricks to be carefully removed and stored on site and later re-laid.</li> <li>Supply and construct new double bund walls with facebrick (23m x 4m) x 2</li> <li>The bund walls must be able to contain at least 110% volume of the current capacity.</li> <li>The total capacity of the bund wall must be displayed on the bund wall.</li> <li>It must be constructed from bricks (facebricks with water proofing plastered inside) as approved by the responsible Engineer.</li> <li>It must have a draining valve or a sump at the lowest point of the bunded area; the draining valve must be closed and locked at all times.</li> <li>Where practical/ necessary, the bund wall must have protective barriers to prevent vehicles from colliding with the walls and damaging it.</li> <li>No pipes or cables should run through the bund walls, except drainage pipes. As far as possible, all flanges, pipe fittings, valves and pumps etc. of the tank and the dispensing system should be situated well within the bund wall.</li> <li>Storage areas that must be accessible with forklifts must be constructed in such a way that a ramp will allow access and still contain spillage.</li> <li>Only galvanized steel pipes may be used for the drain valve.</li> </ul> <p>Signage on Bund Walls</p> <ul style="list-style-type: none"> <li>Calculate the volume of the bund wall.</li> <li>Prepare a conspicuous display mechanism i.e. a metal/ plastic plate, laminated sheet or painted on the bund wall</li> </ul>

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	<ul style="list-style-type: none"> <li>• Attach the display mechanism in such a manner that the integrity of the bund wall will not be jeopardised.</li> <li>• Ensure that only the volume that the bund wall is designed for is kept in the bund wall.</li> </ul> <p>Cleaning of Bunded Areas</p> <ul style="list-style-type: none"> <li>• Pump or drain contaminated water from bunded areas into a container/tank.</li> <li>• Clean the contaminated area with the appropriated absorbent in the case of spillage.</li> <li>• Dispose contaminated water at a wash bay where an oil separator is functional.</li> <li>• Salvage and recycle any hydrocarbon spilled inside the bund wall as far as possible.</li> <li>• Dispose any absorbent material or polluted soil as hazardous waste.</li> <li>• Empty drip trays regularly and store them inside the bunded area.</li> <li>• Ensure that no chemical or hydrocarbon is present in the water before releasing rain water from the bund wall.</li> <li>• Ensure that the valves on the bund walls are closed and locked at all times.</li> </ul> <p>Inspection of Bund Walls by Supervisors and Environmental Officers</p> <ul style="list-style-type: none"> <li>• Visually check for cracks, damages and pollution of adjacent areas during regular inspection of bund walls.</li> <li>• Verify if the volume stored is according to the design specification.</li> <li>• Drain valves must be checked for correct functioning</li> </ul> <p>Repairs to roofing on the existing tank/container</p> <ul style="list-style-type: none"> <li>• Tank size is 22m long, 2m wide and 2m height</li> <li>• Remove and replace all rotten and damage roof covers</li> <li>• The new roof covers must be galvanized and match the existing sheets</li> </ul>
5.1.7	12 months warranty and maintenance shall be included.
5.1.8	Once the works is complete the contractor shall clean the area and remove all rubble away from site.
5.1.9	Upon completion, the contractor is to provide an as-built drawings.

## 5.2 Installation

All work is to be:

- in accordance with Transnets requirements
- in accordance with SABS/SANS
- to the Engineers satisfaction

## 6. Health and safety requirements

6.1 All equipment and installation 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.

6.2 The contractor shall hold monthly safety meetings with staff and records of minutes shall be kept on file on site.

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6.3 The contractor shall be available for daily/weekly meetings with Transnet Management. A schedule for these meetings may be agreed upon.

## 7. SHE specification

- Prior to commencement of contract, the contractor shall be issued with a SHE specification in order to compile a SHE file in line with TE requirements.
- Prior to establishing on site, it is an explicit requirement of this contract that all of 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. 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 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.

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