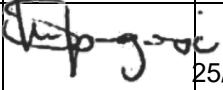

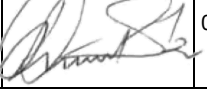


DURBAN CONTAINER TERMINAL

Document Title: **Water Storage Facility**

SCOPE OF WORK

REVISION 01: FOR QUOTATION

	Name	Title	Signature	Date
Compiled by	Silindile Mpungose	Facilities Manager – Pier2		25/06/2025
Supported By	Hopewell Mthethwa	Engineering Manager Pier 2		26/06/2025
Approved by	Reggie Mthembu	Senior Engineering Manager: Pier 2		08/07/2025

1. Background

Intermittent municipal supply and the risk of unplanned outages have highlighted the need for a water backup solution. This installation will form part of the site's broader infrastructure improvement and risk mitigation strategy. It will cater to critical areas for sanitation needs, and emergency response scenarios, especially during periods of high demand or municipal supply disruptions. The system will also contribute to environmental compliance and occupational health and safety standards.

2. Scope

This document covers the requirements for an Engineering Company to design ,install or construct water storage facility system for DCT Pier 2, After installation of the system, the service provider will be required to maintain / repair the facility for a period of twelve months this include filter replacement and water testing, water certificate from register laboratory to be provided upon handing over and thereafter on three monthly basis for the duration of twelve months.

2.1 The scope of work shall include the following but is not limited to:

- a) Installation of water storage tanks in three (3) areas

2.2 Installation System: Type: Water Back-Up Supply

- a) Tank: Liquid Storage
- b) Type: Water,
- c) Dimensions: Diameters 2.2m, Storage Capacity: 10kL; Standard: SANS1731:2017, 0; Food Grade Lldpe Polyethylene, UV Stabilized Outer Liner, Vertical, Beige,
- d) Inlet: 50mm, Outlet 50mm,
- e) Level Indicator Required, 480mm Inspection & Maintenance Lid,
- f) To be Equipped for additional Tank Coupling, 4 x Equally Spaced Black
- g) Construct concrete base where required
- h) Supply and install pump: 10 Bar, Variable Speed, 55m Head
- i) Supply and install 2 x waterproof, hinged pump cages, must be lockable

- j) Supply and install 2 x PRV at pump to regulate supply pressure to building, pumps must be connected from DB Board with the on and off switch
- k) Supply and install manifold to join the dual pump setup
- l) Supply and install 2 x 3 series water filters,
- m) Supply and install non return valve in all tapping points to prevent backflow and ensure unidirectional flow.
- n) Water storage tank to utilize main water supply feed from municipality.
- o) Selection of a suitable size y pump, to pump water from ground level primary tank all the way up higher floors.
- p) Water tanks to include a float level type system that will shut off the pumps when the tanks are full and switch pumps on when tank levels are half full.
- q) Pumps to be mounted on a secured solid base with covers which will protect against all weather conditions.
- r) Complete design of all piping, valves, fittings and safety shut off systems.
- s) Pump electrical supplies to have dedicated feed from buildings.
- t) Pumps to have the necessary isolation and safety protection both mechanically and electrically.
- u) Water tanks and pipelines to have shut off valves.
- v) All items/components to be locally available for ease of maintenance and short lead times.
- w) All items/components to be SABS approved.
- x) Any recommendations regarding the design to be provided.
- y) There might be a need for digging activities in some areas , therefor after the work has been completed the bidder must ensure that the area is restored to its normal condition.

3. Other requirements

- 3.1 Compulsory Site meeting attendance: All other details will be discussed in compulsory site meeting.
- 3.2 Returnable documents (Technical Evaluation and Pricing Schedule): Provide all documents to be supplied as per technical evaluation and pricing schedule. Any missing documents will result in immediate disqualification of the bidder and quotes will not be taken into consideration
- 3.3 Upon appointment provide all SHE compliance documentation as per TPT SHE specification whereby a fully approved safety file must be submitted (not later than 7 working days) after purchase order awarded. Safety file guidelines and other SHE documents will be provided by TPT SHEQ department. Failure to provide fully approved safety files on stipulated time will result in Transnet having to cancel the purchase order and move (Please refer to ANNEXURE A) for safety file guideline
- 3.4 Be responsible for any financial implication involved when providing and compiling all safety specifications, e.g. Compliant safety file and drawings
- 3.5 Supply and complete method statement of how each activity will be conducted before commencing any work, this should be presented to TPT and shall be supplied with the contractor's quote
- 3.6 Commit to minimum warranty of period of 12 months (minimum period) on supplied components /material including workmanship of the project
- 3.7 The contractor to ensure they have qualified and experienced employees to do the job
- 3.8 Provide transport, and PPE for his /her employees to and from the terminal
- 3.9 Upon appointment, manage their waste generated during project

N.B. All financial implication pertaining to this project (including digging requirements in some areas) remains with the service provider (as per his /her quotation), there for it is important that the service provider conduct hourly financial analysis of the project commit and to his / her own quotation

4. Documents to be submitted by the supplier after execution

- 4.1 Warranty of Pump (warranty should not be less than 12 months).

- 4.2 Warranty of Workmanship commitment (warranty should not be less than 12 months)
- 4.3 Drawings of the project including OEM manual for components like pump

5. Study for water storage facility system

202 project that was completed as a study for water storage facility system at DCT Pier 2



6. SAFETY FILE CHECKLIST

CONTRACTOR COMPLIANCE FILE ASSESSMENT CHECKLIST

Date of inspection/ Evaluation: _____

Client	
Employer (Principal contractor)	
Registered name of the enterprise	
Trade name of the Enterprise	
Company Registration No	
SARS registration No(PAYE)	
UIF registration No	
COIDA registration no	
Relevant SETA for EEA purpose	
Industry sector	
Bargaining Council	
Contact person & position	
Contact number	
Site Address	
Postal Address	
Chief Executive Officer	
Chief Executive officer's email and contact number	
Construction Manager	
Health and Safety Representative	
Activities/ Service rendered	
Commencement date	
Completion date	
Site Phone	
Total number of employees on site:	
Female	
Male	
People with disabilities	

CONTRACTOR	Complying	Not Complying (i.e. Comments)	Not Applicable
1. 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)			
2. Contractor scope of work information (Company Profile)			
3. Notification of Construction Work to the Department of Labour: Document to display required information as per OHS Act No.85 of 1993 – Construction Regulations Annexure A, Must carry the stamp of acceptance from the Department of Labour (if applicable)			
4. Application for a permit to do construction work (if applicable)			
5. Valid Letter of Good Standing with FEM/WCA: And proof of relevant insurances to carry out work.			
MANAGEMENT PLANS			
6. Copy of reference documents: Health & Safety, Security, Quality, Environmental, and other applicable Specifications Including a signed register of communication to Managers, Supervisors & Safety Officers			
7. Approved Contractor Execution Plan correlating with Specification provided by Transnet (i.e. Approved health and safety plan, environmental plan, security plan etc.)			
8. Contractors Health and Safety Policy			
9. Site Specific Emergency Plan			
10. Contractors Traffic Management Plan (if applicable)			
11. Procedure for handling Hazardous Chemical Substance's and Applicable Safety Data Sheet (if applicable).			
APPOINTMENTS			
12. Fully completed appointments of the following (depends on the scope of work) but not limited to:			
• Sec. 16(2) – Delegated Authority (Assistant to the CEO)			
• CR 8(1) – Construction Manager			
• CR 8(7) – Construction Supervisor			
• CR 8(8) – Assistant Construction Supervisor			
• CR 8(5) – Construction Safety Officer			
• CR 9(1) – Risk assessment			
• CR 10. (1)(a) – Fall Prevention Planner (if applicable)			
• CR 10.(2)(b) (fall risk) Physical & Psychological fitness			
• CR 23.(d)(k) – Vehicle operator and inspector			
• GSR 3.4 – First aider			
• CR 29 (h) – Fire Fighter			
• Sec 24, GAR 9(2) – Incident Investigator			
• CR 13(1)(a) – Excavation Supervisor			
• CR 28(a) – Stacking and Storage Supervisor			
• CR 12(1) – Temporary works designer			
• CR 14(1) – Demolition work supervisor			

• CR 16(1) – Scaffolding work supervisor			
• CR 17 (1) – Suspended platform work supervisor			
• CR 18(1)(a) – Rope access supervisor			
• CR 19(8)(a) – Material host Inspector			
• CR 20(1) – Bulk mixing plant supervisor			
• CR 21(2) – Explosive actuated fastening devices inspector			
• Sec 17(1) – SHE Rep (more than 20 employees)			
• GSR 13(a) – Ladder Inspector An abbreviated CV of the above appointed persons shall be attached to the appointment. Competency certificates will also be attached as required in specifications			
13. Elevated work training (Rescue/ Safety harnesses) – accredited Training (if applicable)			
14. Fall Protection Plan by competent person / Rescue Plan (if applicable)			
15. Contract/Project Specific Risk Assessment indicating the full scope of work and risk profile – High risk task inventory registers to be attached.			
16. Risk Assessment (HIRA), Method Statement, Safe Work Procedure to be generated for each specific task to be performed on the contract/project i.e. Site establishment, confined spaces, working at heights, working near water, excavations etc. Note: before establishment they can supply what they will start with – site establishment, fencing, clear & grub...so only request what is relevant at the time.			
17. PPE Policy and most recent issue register.			
INDUCTION			
18. Induction application forms completed for every employee of the contractor performing work on site; The following shall be attached:			
• Employee Dossier with applicable documentation;			
• Proof of site specific induction;			
• Copy of ID Document;			
• Legal Letter of Appointment;			
• Proof of competence i.e.: Artisans, drivers, operators etc.;			
• Valid medical certificate of fitness done by an Occupational Health Practitioner (i.e. Annexure 3 for construction work)			
REGISTERS			
19. Copy of equipment registers to be used with copy of each item's inspection checklist. The registers are not limited to the following, depends on the scope of work:			
• Site visitors register			
• Excavation Inspection Register			
• Hand tools Inspection register			
• Barricading Inspection Register			
• Traffic Inspection Register			
• Mobile Toilet Inspection Register			
• Daily Risk Assessment and Toolbox Talk			
• PPE Inspection Register			
• First Aid kit Inspection Register			

• Fire Fighting Equipment Register			
• Portable electrical Equipment Register			
• Pneumatic Tool Register			
• Compressor Checklist			
• Ladder Inspection Register			
• Vehicle Inspection Register			
• Working at Height Equipment Register			
INCIDENT/ACCIDENT MANAGEMENT			
20. Incident /Accident Management Procedure including reporting, recording and investigation of incidents and accidents			
21. Register of first aid injuries			
22. Register of reportable injuries to the Provincial Director			
OTHERS			
23. Section 37(2) mandatory agreement between client - contractor and contractor - sub contractor. As well as:			
• CR 5.1(k) Principal Contractor appointment			
• CR 7(1)(c)(v) Sub Contractor appointment			
24. Training Matrix (Management, Supervisors and Employees)			
25. Copy of the OHS act and its Regulations, COID Act Regulations			

CONTRACTOR'S COMPLIANCE FILE REVIEW			
Date	Print Full Name	Designation	Signature
Status			
Approved			
Not Approved			
Reasons for not approving			