ANNEXURE A

Transnet Port Terminals

Scope of Work

DESCRIPTION: SHED 7 ROOF REPAIRS AT DURBAN MAYDON WHARF TERMINAL FOR TRANSNET PORT TERMINALS, OPERATING DIVISION OF TRANSNET SOC Ltd (Reg. 1990/000900/30)

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1. Background

1.1. Transnet Port Terminals Agri Port Depot aims to repair corroded roof-sheet joints by applying a continuous waterproofing system along the splice. This project involves a comprehensive waterproofing and repair to avoid continuous water leaks into the shed.

2. Scope Of Work

2.1 Scope Of Work Requirements

2.1.1 Joint Sealing, Waterproofing, and adhesive quality control and testing, as per the scope of work.

2.1.2 The appointed bidder service provider will be required to submit a safety file to our Safety Department for approval before the commencement of work.

2.2 Scope of Work Specification

2.2.1 Remove loose corrosion by using wire-brush / angle-grind to bright steel at all splice areas.

2.2.2 Clean and degrease with acetone; allow to evaporate completely.

2.2.3 Mask and protect adjacent sheets with plastic sheeting/tape.

2.2.4 Apply zinc-rich primer by roller or brush at 1.0 L/m²; allow to cure per manufacturer (typically 2–4 hours).

2.2.5 Position a $\pm$457 mm-wide tape centrally over the joint.

2.2.6 Remove release liner; press firmly with a steel roller to ensure full adhesion.

2.2.7 Overlap successive rolls by 50 mm and seal overlaps with a bead of PU sealant

2.2.8 Tool-in Sika Sikaflex®-1a along both edges of the tape, filling any gaps between tape and sheet.

2.2.9 Tool finish with a convex fillet; remove masking tape within 10 minutes of tooling

2.2.10 Apply two coats of acrylic roof coat at 0.8 L/m² per coat, allowing 4–6 hours drying between coats.

2.2.11 Apply the above procedure to 6x continuous line for the full length of the shed. The length of the shed is 236m.

2.3 Material to be used

Material	Manufacturer/example	Specification
Anti-corrosion primer	Nippon Zincron Primer or Dulux Zinc Phosphate Primer	Two-pack, zinc-rich, for steel
Bituminous waterproofing tape	Henry Blueskin™ SA Tape 457 mm	Self-adhesive, SBS modified
Polyurethane sealant	Sika Sikaflex®-1a	Elastic, UV-resistant
Protective topcoat	Penetron® Acrylic Roofcoat	Water-based, two coats
Cleaning agents & degreasers	Acetone / Methylated spirits	For oil & grease removal

3. Quality control and testing

3.1 Adhesion test: peel adhesion ≥1.0 N/mm after 24 hours.

3.2 Visual inspection: no bubbles, wrinkles, or unsealed overlaps.

3.3 Water test: simulated rain spray over a 1 m length for 5 minutes; no leakage

4. Additional Information Requirements:

4.1. All measurements listed are only a guide; the contractor is responsible for conducting accurate measurements and verifying dimensions at the work site.

4.2. Ensure that the work area is properly demarcated to identify the project boundaries and minimize disruptions to surrounding areas.

4.3. Upon completion of work, all rubble and debris must be promptly cleared from the site, and the work area must be left clean and tidy following environmental and safety standards.

4.4. Utilize only SANS/SABS-approved materials for the project to ensure compliance with quality and safety standards.

4.5. Any damaged steel removed during the project belongs to TPT (Transnet Port Terminals) and will be handed over to the Civil Workshop as directed.

4.6. Colors of paints will be communicated to the awarded contractor during site meetings to ensure uniformity and compliance with project specifications.

4.7. Site diaries and site instruction book to record progress, instructions, observations, and other relevant details during construction.

5. Guarantee

5.1. Period: 10 years from the date of practical completion.

5.2. Coverage: waterproof failure due to material defect or workmanship (excludes damage from impact, structural movement beyond 2mm, or third-party works)

6. Quality of workmanship and materials.

The awarded Service provider is to adhere to the below Employer Specifications, where applicable.

6.1. SANS 10400-XA: Roof waterproofing performance

6.2. SANS 10126: General roof maintenance

6.3. Manufacturer datasheets for primers, sealants & membranes

6.4. EEAM-Q-008 - Corrosion protection

6.5. EEAM-Q-009 - Quality Management

6.6. EEAM-Q-013 - Commissioning and handing over Rev1.

7. Safety

All personnel reporting to the Terminal must come in full Personal Protective Equipment gear (safety vest, hard hat, and safety shoes).

7.1.1 Vehicles used to be fitted with rotating flashing lights and proper company signage when accessing the terminal.
7.1.2 Only certified or competent technical personnel are required to operate electrical machinery.
7.1.3 All TPT-owned equipment or property needs to be signed off by TPT representatives before exiting the terminal.
7.1.4 Obtain necessary permits, approvals, and inspections required for the completion of the project in compliance with local regulations and authorities.
7.1.5 Adhere to all relevant safety protocols, including the use of personal protective equipment (PPE) and compliance with site-specific safety regulations
7.1.6 The terminal provides mess and ablution facilities and must always be kept clean.
7.1.7 No discipline irregularities will be condoned. Offenders will be requested to leave the terminal immediately pending a full investigation.
7.1.8 Notification of arrival will be mandatory.

8. Pricing Considerations

The service provider must quote as follows:

6.1. All costs relating to the safety file and requirements are to be included in the bidder's quotation.
6.2. The service provider must quote on all items as listed in section 2.2
6.3. All costs relating to the equipment hiring, machinery, and specialized skills are to be included in the bid for the success of this project.

9. Operating Hours

The Durban BBC Terminals operate 24 hours a day. The infrastructure maintenance team mainly works a day shift (06h45 – 15h15), and all work should be done during this period. Any work requiring irregular hours should be communicated timeously to a TPT representative and required approvals obtained.

10. Access Permit

For the site meeting, all suppliers are required to bring with them the following to apply for the required permit:

- Hardcopy of the RFQ.
- Proof of identification for all employees attending.
- A letter from the relevant company stating the names and surnames of the employees requesting access and the reason for access.
- Minimum PPE. Safety vest, hard hat, and safety shoes.
- Suppliers are advised to bring any/all required measuring tools for proper pricing.

11. Conducting The Work

To acquire access permits for conducting work, external contractors will need to attend a safety induction (valid for a year). Safety would also advise the need for submitting a safety file.

Thereafter, applications for permits from security can be submitted. For vehicle access, all vehicles are required to have a company sign and are evolving light, and access will be obtained at the security office.

12. Site Laydown Area

No provisions have been made for a laydown area. Security of the Service Provider's tools, materials and machinery remains the responsibility of the Service Provider.