

Description: (Specification for inspections cleaning and sealing of gutters, drains, channels, down pipes, ridges and roof sheets in TE Bloemfontein plant)				
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Location:	Bloemfontein			

Document No: TE-IMS-PEMM-P&E-BFN-SPEC 082 Version: 1.0
 Specification for Inspecting roof sheets, cleaning of gutters, drains, channels, down pipes and sealing of roofs, ridges, gutters, down pipes.

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1 Scope of Work

- 1.1** The scope of work for the Inspection, cleaning and sealing of gutters, drains, channels, down pipes, roof sheets
- 1.2** This specification states the minimum requirements relating to the work and in no way absolves the contractor from responsibility for sound maintenance engineering practice. Any omissions or substandard requirements of this specification must be brought to the attention of Transnet Engineering Contract Manager at tender stage and optional prices for addressing such omissions must be provided.

2 Site Inspection

Tenderers must visit the site to familiarize themselves with all the aspects involved relating to the project that must be done. This must be arranged via the Contract Manager. The site inspection certificate will be counter-signed by the Contract Manager on day of the site visit. The tender documents must only be submitted if the site inspection certificate has been signed.

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3 Information Required

Tenders shall be duplicate and will not be considered if full particulars of all relevant equipment and works requested are not submitted at the tender stage, to ensure an objective assessment of the offer can be made. Tenderers shall confirm that the items that they are offering comply at a standard not less than the minimum required requirement asked for in the specifications. Tenderers must comply with these specifications, but alternative offers may, in addition, also be submitted. Such alternative offers must be fully motivated and substantiated.

4 Specific Requirements

4.1 Transnet Contractor Management Procedure (TRN-IMS-GRP-PROC 014)

4.2 The contractor shall undergo Safety, Health and Environmental (SHE) Induction, and be issued with Induction certificate and valid permits authorizing him/her to enter Transnet premises for the duration of the contract.

4.3 The contractor is required to produce an approved Compliance File or SHE File and Site Instruction Book on site at all times.

4.4 All measurements and amounts must be stipulated in quote.

4.5 A supervisor will always be on site.

4.6 The correct PPE must be always worn. (Harnesses ropes, etc.)

4.7 During and on completion of the project, there will be SHE inspections and Risk assessments done on the site that the supplier/vendor is working on, which will be reported to the project manager.

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4.8 Failure to comply will result in a stop certificate being issued and the supplier will be required to leave the site until the situation is rectified.

4.9 All employees who will be working at height must have medical fitness certificate and proof of competency training thereof.

5 Technical Requirements.

5.1 Valid registration with CIDB

6 Codes of Practice, Regulations & Standards.

The tender shall specify which statutory or industry rules will be applied for the equipment to be working successfully and safely and shall indicate the designed life span.

7 Commissioning

A detailed program (project-plan/Gantt-chart) shall be submitted with the tender, indicating the main activities and periods necessary up to handover. The bidder shall submit with their tender a detail procedure for the Inspection, cleaning and sealing of gutters, drains, channels, downpipes, roof sheets, ridges in TE Bloemfontein plant. The contractor shall be fully responsible for any damage caused to all supplied equipment and to Transnet Engineering's assets during the installation and commissioning. The supplier shall conduct a risk assessment to identify anything that might hinder the service requirements.

8 Specific Requirements:

ITEM NO	Requirements
8	THIS SPECIFICATION IS FOR INSPECTIONS OF ROOF SHEETS, CLEANING, SEALLING OF GUTTERS, DRAINS, CHANNELS, DOWN PIPES, RIDGES AND ROOF SHEETS IN TE BLOEMFONTEIN PLANT.
8 .1	Scope of work
	Bay 9-13, Bay 15-18, Bay 13AB, WNB Store, RFR Store WNB Paint section.
8.1.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris
8.1.2	Inspect gutters(117M) for rust and leakages, clean debris in gutters and Seal gutters near different columns and joints.
8.1.3	Inspect water collectors and downpipes (21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.1.4	Inspect channels(200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.
8.1.5	Seal galvanized ridge flashing at 13AB offices.

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8.2	BAY 40-47 AND WHEELS, LOCOMOTIVE, RM MAIN BUILDING OFFICES, LOCO- STORE, RM STORE, A19, A20, A21
8.2.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris at bay and wheels main building offices
8.2.2	Inspect gutters(208M) for rust and leakages, clean debris in gutters.
8.2.3	Inspect pipe gutters(208M) for rust and leakages, clean debris in gutters.
8.2.4	Inspect water collectors and downpipes (20M) for rust, leakages and clean debris
8.2.5	Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.3	Bay 39-32, Compressor house, Bogy's store
8.3.1	inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris
8.3.2	Inspect gutters(162M) for rust and leakages, clean debris in gutters and Seal gutters near different columns.
8.3.3	Inspect pipe gutters(162M) for rust and leakages, clean debris in gutters.
8.3.4	Inspect water collectors and downpipes (21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.3.5	Inspect channels (200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.

8.4	BAY25- A24, A22, PCO, RSE Admin offices.
8.4.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris.
8.4.2	Inspect gutters(163M) for rust and leakages, clean debris in gutters and Seal gutters near different columns and joints (refer to user specification for Colum numbers).
8.4.3	Inspect pipe gutters (163M) for rust and leakages, clean debris in gutters.
8.4.4	Inspect water collectors and downpipes (21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.4.5	Inspect channels(200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.
8.5	BAY25- A24, A22, PCO, RSE Admin office
8.5.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris.
8.5.2	Inspect gutters(163M) for rust and leakages, clean debris in gutters and Seal gutters near different columns and joints (refer to user specification for Colum numbers).
8.5.3	Inspect pipe gutters (163M) for rust and leakages, clean debris in gutters.

8.5.4	Inspect water collectors and downpipes (21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.5.5	Inspect channels(200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.
8.6	BAY 1A-3, FOUNDRY PATTERN SHOP, FOUNDRY ADMIN OFFIC, FOUNDRY STORE, FOUNDRY SAND PLANT
8.6.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris.
8.6.2	Inspect gutters(170M) for rust and leakages, clean debris in gutters and Seal gutters near different columns and joints (refer to user specification for Colum numbers).
8.6.3	Inspect pipe gutters (170M) for rust and leakages, clean debris in gutters.
8.6.4	Inspect water collectors and downpipes (21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.6.5	Inspect channels(200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.

8.7	BAY 48-50, KOPANO
8.7.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris at bay 32-38 bay 26-31, Kapono, PCO, RSE Admin building and bay 48-50.
8.7.2	Inspect gutters(125M) for rust and leakages, clean debris in gutters and Seal gutters near different columns and joints (refer to user specification for Colum numbers).
8.7.3	Inspect pipe gutters (125) for rust and leakages, clean debris in gutters.
8.7.4	Inspect water collectors and downpipes(21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.7.5	Inspect channels(200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.
8.8	AT THE FOLLOWING AREAS: CONTAINER PARK, FOE ELECTRICAL TRAINING CENTER, FOE PATTEN SHOP, CONTAINER PARK MAIN OFFICES AREA
8.8.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris
8.8.2	Inspect gutters(170M) for rust and leakages, clean debris in gutters and Seal gutters near different columns and joints
8.8.3	Inspect water collectors and downpipes(21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.

8.8.4	Inspect channels(200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.
8.9	ADMIN BUILDING, TE SECURITY ADMIN OFFICE, CAFETERIA, UNTU OFFICE, SATAWU OFFICE AND CLINIC.
8.9.1	Inspect roofs and ridges for rust, leakages, loose sheets, nails and condition of paint and clean debris
8.9.2	Inspect gutters(170M) for rust and leakages, clean debris in gutters and Seal gutters near different columns and joints
8.9.3	Inspect water collectors and downpipes(21M) for rust, leakages and clean debris Seal down pipes at the joints (300mm by 300mm) flush the downpipes together with adjoining drains at the bottom.
8.9.4	Inspect channels(200M) and drains for blockages check water flow with the use of fire hose remove any blockages with hydraulic water blaster.

8.10	Price Schedule
8.10.1	Bidders to give a full price breakdown for the individual areas identifying all service which will be performed.
8.11	General
8.11.1	All material used shall be SANS approved, A-grade first class.
8.11.2	All work delivered shall be of a high standard.
8.11.3	Regular inspections will be carried out during construction by Transnet engineering Quality Assurance staff.
8.11.4	The appropriate PPE must be always worn (Safety shoes, Reflector jacket, etc.)
8.11.5	The contractor and its employees shall always adhere to Transnet Engineering security and safety procedures.
8.11.6	• Report must be submitted after the work is done. • Pictures of before work and after work must be included.