



## PORT ELIZABETH MULTI-PURPOSE TERMINAL

Document Title:



### SCOPE OF WORK

Project Title:

**Supply and deliver Reclaimer bucket wheel quadrant to the Port of Port Elizabeth at Transnet SOC Limited (Reg. no. 1990/000900/30) Operating as Transnet Port terminals (herein after referred to as "TPT") as a once off service.**



## DOCUMENT PREPARATION

	Name	Title	Signature	Date
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<b>Approved by</b>	Brett Killian	Engineering Manager		15/09/2025

Supply and deliver Reddimer bucket wheel quadrant to the Port of Port Elizabeth at Transnet SOC Limited (Reg. no. 1990/000900/30) Operating as Transnet Port terminals (herein after referred to as "TPT") as a once off service.



## **1. BACKGROUND**

Port Elizabeth Multi-Purpose Terminal (PEMPT's) core business is to export dry bulk cargo manganese ore. This is accomplished with terminal infrastructure such as rail wagon tippler, feeders, conveyor belts, storage facilities and ship-loaders and a network of machine mobile equipment such as excavators and bulldozers. The larger network of conveyors is connected via chute and diverter chutes which allow for easy conveying of bulk material to the different conveyor lines.

## **2. OBJECTIVE**

The main objective of this scope of work is to request the contractor to supply and deliver B Reclaimer Bucket Wheel Quadrant.

## **3. SITE INFORMATION**

The delivery location is the Workshop 17, Transnet Port Terminals, Port of Port Elizabeth. The site is easily accessible using the Baakens Street entrance to the port. All deliveries shall include the following: invoice with Purchase Order (PO) number and Delivery note.

## **4. SCOPE OF WORK**

- 4.1. Design and fabricate the detailed reclaimer bucket wheel quadrant as per drawing provided.
- 4.2. Material grade and thickness to be able to handle bulk material like manganese.
- 4.3. The design must accommodate and absorb impact loads from large moving material.
- 4.4. The design and fabrication of the quadrant to comply with SANS Standards:
  - 4.4.1. SANS 10162 – Structural Steel
  - 4.4.2. SANS 10160 – Structural Design
  - 4.4.3. SANS 325 – Quality Management
- 4.5. To comply with BS 7608+A1.

- 4.6. The quadrant shall align with the chute to guide and discharge material onto the chute without spillage.
- 4.7. Must be properly curved and be fitted with bolted wear liner plates with anti-vibration washers and nuts.
- 4.8. The bolt holes in the wear liner shall countersunk to ensure bolt head flush with wear liner surface after installation.
- 4.9. Liftings lugs and inspection ports for checking wear and remove blockage.
- 4.10. The contractor shall submit as-built drawings to TPT Representative for approval.
- 4.11. The quadrant base plate must be mild steel and Rio-carb wear liners.
- 4.12. The fasteners shall be of grade 12.9 high tensile steel.
- 4.13. The quadrant shall be corrosion resistant.

## **5. TPT REQUIREMENTS**

- 5.1. The Contractor shall have a minimum of five years' experience in similar project.
- 5.2. The Contractor to submit signed letters relating to similar work done (Include Name of company, contact person and contact number).
- 5.3. The Contractor shall submit Quality Control Plan or ISO 9001 Certificate.
- 5.4. The contractor shall provide an estimate time frames for completion after receiving the purchase order.
- 5.5. The Contractor shall submit as-built drawings approved by a Professional Engineer.
- 5.6. Material Test Certificate.
- 5.7. Dimensional and NDT inspection reports and weld maps.
- 5.8. Works to be conducted by the OEM (FAM), or a contractor that is OEM accredited. Proof to be provided by letter from the OEM with the 3<sup>rd</sup> party company description attached.

## **6. TPT TO PROVIDE**

- 6.1. Access to the gate.

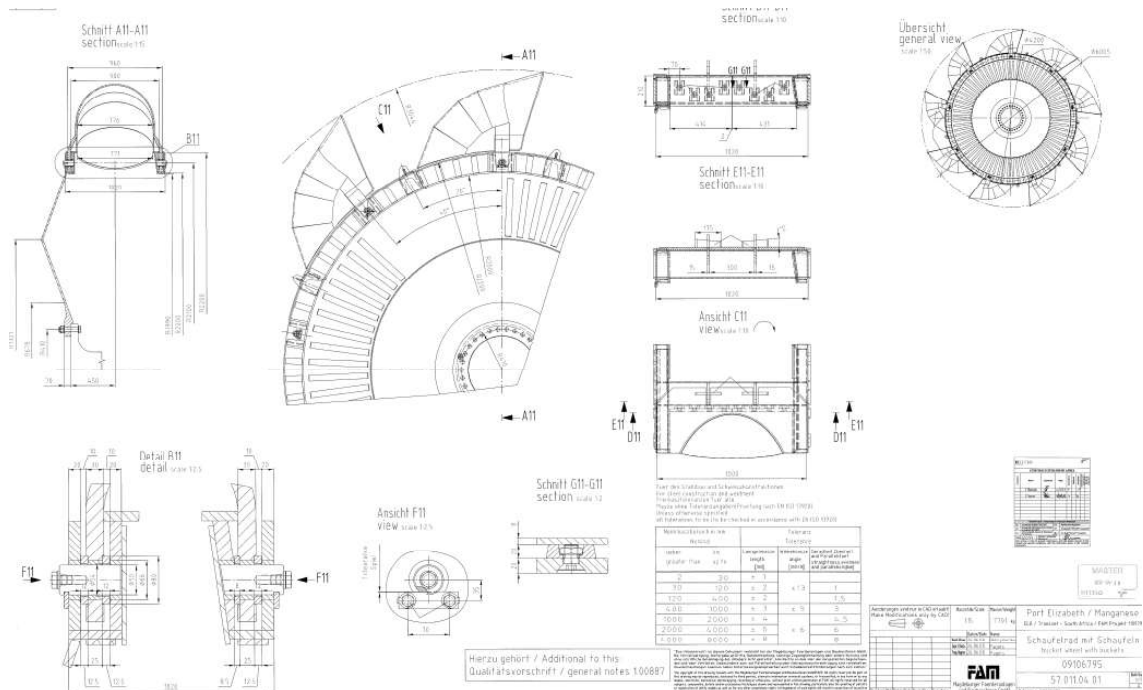


Figure1: B Reclaimer Bucket Wheel

Supply and deliver Reclaimer bucket wheel quadrant to the Port of Port Elizabeth at Transnet SOC Limited (Reg. no. 1990/000900/30) Operating as Transnet Port terminals (herein after referred to as "TPT") as a once off service.