

East London Terminal Grain Elevator Removal of Stuck Elevator Buckets

Document Title: Grain Elevator Plant

SCOPE OF WORK

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PROVISION FOR GRAIN ELEVATOR REMOVAL OF STUCK ELEVATOR BUCKETS FOR TRANSNET SOC LTD (REG NO. 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREINAFTER REFERRED AS "TPT") FOR EAST LONDON AS A ONCE OFF SERVICE.

EXECUTIVE OVERVIEW

1.1 Background and Introduction

The Grain Elevator Terminal in East London is purpose-built to handle free-flowing agricultural commodities, primarily maize, wheat, and soya beans. Serving as a strategic hub for both import and export operations, the terminal plays a vital role in supporting agricultural trade.

Cargo is stored in silos and shipping bins, with the movement of goods facilitated through a network of bucket elevators, conveyor belts, and spouts. These systems ensure efficient handling and transfer of bulk materials throughout the terminal.



Picture No.1: Aerial view of the Grain Elevator Terminal prior to the demolition of the incline and loading gallery

1.2 ELEVATOR BUCKETS.



2. Project Scope

2.1 Project Overview

The objective of this project is to execute the safe and efficient removal of elevator buckets that have become lodged within a spout at the East London Grain Elevator Terminal. The appointed service provider will employ precise, controlled methods to ensure the successful extraction of the stuck components without causing any damage to adjacent equipment or structural elements.

2.2 Scope of Work

The appointed service provider will be responsible for the following:

- Ensuring the site is secure, accessible, and prepared for operational activities.
- Identifying and mitigating all potential hazards prior to commencement.
- Conducting a thorough assessment of the stuck elevator buckets to determine the most effective removal strategy.

- Developing a comprehensive removal plan, inclusive of safety protocols and contingency measures.
- Utilizing appropriate specialized equipment and techniques to extract the stuck buckets safely.
- Ensuring that the removal process does not compromise the integrity of surrounding equipment or infrastructure.
- Performing a post-removal inspection to confirm that no damage has occurred.
- Verifying and documenting the successful removal of the elevator buckets.

Note: Attendance at the compulsory briefing session is required for all prospective service providers.

3. Compliance

The appointed contractor shall ensure full adherence to all applicable legislation, including but not limited to the **Occupational Health and Safety Act** and the **National Building Regulations and Standards Act**. Compliance with Transnet Port Terminals (TPT) policies and procedures is mandatory throughout the duration of the project.

3.1 Professional Conduct

The contractor is expected to maintain a high standard of **professionalism** while operating on TPT premises. This includes respectful engagement with TPT personnel, adherence to site rules, and responsible conduct at all times.

4. Project Time Frame

Transnet Port Terminals (TPT) has allocated a maximum of **three (3) working days** for the completion of this project. The specific commencement date will be mutually agreed upon between TPT and the appointed service provider.

5. General Requirements

The following operational guidelines and site provisions will apply:

- **Working Hours:** Standard working hours are from **07h00 to 15h00**, Monday to Friday. The contractor is responsible for managing their resources and schedule to ensure timely completion of the work.
- **Site Cleanliness:** The contractor must maintain a clean and orderly work environment throughout the project. Upon completion, all equipment and debris must be removed. Any damage caused during the execution of work must be repaired at the contractor's expense.
- **Utilities and Facilities:**
 - Electrical power points will be made available on site.
 - Toilet facilities will be provided by East London MPT.

7.1 Technical evaluation

Description	Weight	Award Points
<p>Method statement:</p> <p>The service provider should submit a detailed statement outlining the precise and safe methods to be used for the removal of stuck elevator buckets. The statement of the method should include:</p> <ul style="list-style-type: none"> ▪ A detailed description of the equipment and techniques to be used. ▪ A step-by-step plan for the removal process. ▪ Safety protocols and contingency measures ▪ Quality control measures 	30	<p>Submitted all four (4) elements =30 points</p> <p>Submitted three (3) elements = 20</p> <p>Submitted two (2) elements = 10</p> <p>Submitted one (1) or less 0= point</p>
<p>Risk Assessment:</p> <p>Respondent must submit risk assessment, based on the assessment, removal of Elevator buckets, handling. The risk assessment should give details of the following elements: safety and quality.</p>	30	<p>Risk assessment covers all two (2) elements = 30 points</p> <p>Risk assessment covers one (1) or zero = 0 points</p>
<p>Safe Working Procedure:</p> <p>Safe working procedure detailing safe removal of stuck elevator buckets</p>	20	<p>Detailed procedure submitted = 20 points</p> <p>No procedure submitted = 0 points</p>
<p>Confined Space certification for the person who will perform the task.</p>	20	<p>Certificate submitted = 10 points</p> <p>Zero certificate submitted = 0 points</p>
Total Score	100	

Please note service provider is required to meet a minimum of 70% failure to do so will deem the bidder non-responsive.

8. Safety-Related Requirements

To ensure the highest standards of safety and regulatory compliance, the appointed contractor must adhere to the following requirements throughout the duration of the project:

8.1 Equipment Certification and Inspection

- All **electrical tools** must be inspected and certified in accordance with statutory requirements. Valid certificates must be submitted to Transnet Port Terminals (TPT) prior to commencement of work.
- Tenderers must provide **inspection certificates** for all lifting gear, scaffolding, rigging equipment, and ladders. These documents must be included in the tender submission.

8.2 Safety File Submission

- A comprehensive **Safety File** must be submitted to the TPT Safety, Health, Environmental and Quality (SHEQ) Department for approval before any work begins.
- The Safety File must include but not limited to:
 - A detailed **risk assessment** specific to the scope of work
 - A **method statement** outlining the safe execution of tasks
- Proof of **qualifications** for all personnel assigned to the project

8.3 Personnel Safety and Conduct

- All workers must be **qualified** for their designated tasks, and evidence of qualifications must be included in the Safety File.
- The contractor must ensure that all personnel are equipped with the required **Personal Protective Equipment (PPE)** while on TPT premises.
- All personnel must complete a **site induction** conducted by the SHEQ Department prior to commencing work.
- The contractor must always maintain professional conduct while operating on TPT premises.

8.4 Permits and Emergency Preparedness

- A valid **Permit to Work** must be obtained from TPT prior to the commencement of any activities.
- For tasks involving potential fire or explosion hazards, a **Hot Work Permit** must be secured from Transnet National Port Authority (TNPA) through the SHEQ Department.


- Adequate **fire protection measures** must be in place, including the presence of a **qualified firefighter** on site during such operations.
- Work may only commence once a **written approval** has been received from TNPA.

8.5 Compliance and Safety Assurance


- The service provider must comply with all relevant **safety regulations and standards**.
- All personnel involved in the removal process must be **properly trained** and equipped with the necessary **safety gear** to perform their duties safely and effectively.

9. Document Sign-Off Compiled


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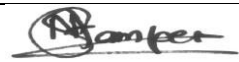
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