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1. INTRODUCTION

This document provides the Scope of Work for the provision of sky climber (rope access) services for the inspection, cleaning, and removal of ash and coal hang-ups within bunkers and at Lethabo Power Station.

2. SUPPORTING CLAUSES

2.1 SCOPE

This contract covers the deployment of qualified rope access personnel and equipment to perform inspection, breaking, and removal of ash, coal build-up, and clinkers on designated plant areas. The objective is to restore material flow, eliminate blockages, and ensure safe access conditions, thereby enhancing equipment reliability, operational safety, and plant availability over a five (5) year period.

2.1.1 Purpose

The purpose of this scope is to define the requirements for the provision of sky climber (rope access) services for the inspection, cleaning, and removal of ash and coal hang-ups within bunkers at Lethabo Power Station.

The scope ensures that all blockages, clinkers, and material build-ups are safely removed to restore proper material flow and maintain safe access conditions for maintenance activities.

Ultimately, this service supports the improvement of plant reliability, operational safety, and overall availability over the duration of the contract.

2.1.2 Applicability

This document shall apply throughout Eskom Holdings Limited Divisions.

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

[1] ISO 9001 Quality Management Systems.

2.3 DEFINITIONS

Table 1: Definitions

Term	Description
Spare	An item intended to replace a corresponding item to retain or maintain the original required function of the item.
Contractor/Tenderer	Refers to the corporation appointed to perform the engineering, procurement, and construction works required for the project.
Employer	Refers to Eskom Holdings State Owned Company
Schedule A/B	Schedule A/B refers to Appendix A, containing the technical specification for the various components in the contract. Schedule A is populated by the Employer stating the desired technical specifications, while Schedule B shall be completed by the tenderer, strictly by hand, stating the specifications of the components offered by the tenderer

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Term	Description
Technical Specification	The document/s forming part of the contract in which the technical requirements for the goods to be supplied, are set out
The Client	The end user will be Eskom who will be represented by Lethabo Power Station throughout the duration of the Project.

2.3.1 Disclosure Classification

Controlled disclosure: controlled disclosure to external parties (either enforced by law, or discretionary).

2.4 ABBREVIATIONS

Table 2:Abbreviations

Abbreviation	Description
MW	Megawatt
TET	Technical Evaluation Team
SSC	Submerged Scraper Conveyor
JPC	Japanese Pipe Conveyor

2.5 ROLES AND RESPONSIBILITIES

2.5.1 The Contractor

The Contractor shall be responsible for the following:

- Executing the defined scope of work in accordance with the contractual agreements and technical requirements.
- Ensuring that all proposed materials, tools, and equipment used for the works meet the Employer's technical and quality requirements.
- Conducting all relevant quality inspections, tests, and assessments as required by the project scope and applicable standards.
- Providing adequate supervision and competent personnel to oversee and manage the execution of the works.
- Ensuring that all personnel are equipped with and correctly use appropriate Personal Protective Equipment (PPE).
- Adhering to all relevant Eskom design standards, procedures, and engineering guidelines.
- Submitting all required deliverables as specified in the technical documentation.
- Complying fully with Eskom's Life Saving Rules and the site-specific rules and regulations of Lethabo Power Station.

2.5.2 The Employer (Eskom)

Eskom shall be responsible for the following:

- Reviewing and approving the Contractor's Method Statement, Safe Work Procedures, Quality Control Plan (QCP), and Inspection and Test Plan (ITP).

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- Being present for all applicable hold and witness points as defined in the ITP/QCP.
- Providing engineering support necessary for the issuance of the Certificate of Compliance.
- Reviewing all technical and quality documentation submitted by the Contractor

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. SCOPE OF WORK

3.1 PLANT DESCRIPTION

The scope of work applies to the inspection and cleaning of the following plant equipment:

- Three fly ash (3) bunkers
- Each bunker containing three (3) compartments each compartment has a capacity of 1200 tonnes
- There are 6 mill bunkers per unit (Total of 36 coal bunkers). Each bunker has a capacity of 850 tonnes

3.2 EQUIPMENT AND TOOL

The Contractor shall supply:

- Lighting and ventilation equipment
- Certified ropes, harnesses, and rigging systems
- Set up fall protection systems and ensure all personnel are equipped with appropriate PPE
- Rescue kits and emergency equipment
- Tools for breaking and removing clinkers and hang-ups
- Surface cleaning tools
- Lifeline systems for personnel access
- Supply of all consumables and safety equipment required to execute the work safely and effectively

3.3 PRE-WORK PLANNING AND SAFETY SET UP

The contractor shall:

- Conduct a site-specific risk assessment and develop a method statement for entry and execution
- Ensure that all necessary Permits to Work (PTW), including for confined space entry, and working at heights, are obtained by an Eskom Responsible Person (RP) before the commencement of any work.
- Conduct gas monitoring tests to ensure that the atmosphere inside is safe for entry, in accordance with confined space entry requirements.
- Perform a safety briefing and toolbox talk with all personnel.

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- Install adequate temporary lighting and ventilation equipment inside the silo to ensure safe access and working conditions.

3.4 INSPECTION

The contractor shall visually inspect Compartments/bunkers for:

- Ash/coal accumulation
- Ash/coal hang-ups
- Clinker formation

All inspection findings (Including high risk areas) shall be documented using photographic evidence. A detailed inspection report shall be compiled and submitted to the Employer's Engineering representatives for review and further action.

3.5 CLEANING

The contractor shall:

- remove/clean all ash/coal hang ups using approved method statement
- Use appropriate manual tools to break up and remove compacted coal
- Collect all dislodged and removed material and dispose of it in accordance with 32-245: Eskom waste management standard.
- Ensure all cleaned surfaces are completely dry and free from contaminants before inspection.
- Create suitable access and landing areas to facilitate subsequent vacuuming operations (if required)

A comprehensive report shall be compiled, including photographic and/or video evidence of the cleaning activities, as well as final inspection and verification of the cleaned surfaces. A close-out report shall be submitted to the Employer's Engineering and Maintenance representatives for approval and handover acceptance. The report shall include before-and-after media, key observations, issues encountered, corrective actions taken, and all relevant ITPs and QCP documentation.

3.6 STANDBY AND CALL-OUT SERVICES

All materials Provide services on an as-and-when-required basis

Be available for:

- Planned outages
- Unplanned/emergency conditions
- Respond within agreed timeframes for critical plant requirements

3.7 GENERAL REQUIREMENTS

1. All work shall be carried out using approved rope access techniques
2. The Contractor shall provide all tools, equipment, and supervision required
3. All activities must comply with:
4. Confined space entry requirements
5. Fall protection standards
6. Lethabo Power Station safety procedures

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