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ANNEXURE A: BILL OF QUANTITIES	ERROR! BOOKMARK NOT DEFINED.

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1. INTRODUCTION

ERI BMS at Medupi Power Station was awarded a contract for the coal and ash materials handling for a duration of 10 years. The execution of the scope requires transportation of employees of which belongs to ERI and some outsourced through Enabling contracts.

ERI BMS Medupi requires an enabling contract for Ash and Coal operations and maintenance. The Operation is on a twenty-four hour per day, seven days per week basis. The contract is on an as and when basis supply of services.

The activities quantities to be handled vary from month to month depending on the Power Stations coal burning and ash handling demands. Operation activities required entails:

- Preventative maintenance
- Corrective maintenance
- Planned maintenance
- Emergency breakdown
- Standby duties for call out purposes
- Commissioning activities as and when required
- The Contractor shall perform housekeeping and any other mechanical requirements at no additional costs.
- Maintain high, "Good Housekeeping" standards in and around the machinery and work area
- Avoid any spillages from plant due to maintenance or operating that contaminates the environment
- Comply to sites specific requirements as clearly displayed by the site management including but not limited to SHEQ requirements
- The successful maintenance service provider shall supply, deliver plant maintenance service as agreed upon in the contract.
- The successful service provider shall provide all labour, administration, and management to perform the plant maintenance service as always required.
- Labour recruitment shall follow established recruitment protocols at that operating site

2. SUPPORTING CLAUSES

2.1 SUMMARY

The scope of work to for the provision of Maintenance services enabling contract at Medupi Power Station

2.1.1 Purpose

The purpose of this document is to provide the requirements for the **Maintenance services enabling contract** needed by the employees of BMS Ash and Coal project.

2.1.2 Applicability

This document shall apply to Medupi Power Station BMS coal and ash maintenance and operations project.

SPECIAL NOTES

- Any details or documents accompanying this Scope of Works are strictly for Tender purposes ONLY; and meant to give potential Contractor information.

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2.2 NORMATIVE/INFORMATIVE REFERENCES

2.2.1 Normative

The applicable reference documents are listed below. These documents (latest revision) form part of this specification to the extent as specified in this specification. In the event of a conflict between the text of this specification and the applicable parts of the Eskom documents listed below, the text of this specification takes precedence. However, this specification does not supersede applicable laws and regulations (including the SANS standards), unless a specific exemption has been obtained from the relevant authorities.

- [1.] 240-53665024 : Engineering Quality Manual.
- [2.] ISO 9001 : Quality Management Systems.
- [3.] 240 – 1065658000 : Supplier Quality Management Specification.
- [4.] 200 - 1689 : Project Quality Plan
- [5.] 200 – 1679 : Medupi Quality Specifications
- [6.] 200 – 5667 : Control of Drawings Procedure
- [7.] 240-106628253 : Standard for Welding Requirement on Eskom Plant
- [8.] 240-49230046 : Failure Mode and Effect Analysis Guidelines
- [9.] SANS 1123 : Flanges and Bolting for Valves, Pipes, and Fittings
- [10.] SANS 347 : Categorization and conformity assessment criteria for all pressure equipment.

2.2.2 Informative

- [1] OHS Act : Occupational Health and Safety Act of 1993.

2.3 DEFINITIONS

Within context of this Scope of Works, the following terms are explained in table below:

Definition	Description
Contractor	The appointed person to perform the works
Accommodation	A building or room in which someone may live or stay.
Rental	An amount paid or received as rent.

2.3.1 Disclosure Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary)

2.4 ABBREVIATIONS

Abbreviation	Description
BMS	Bulk Material Services
DHP	Dust Handling Plant
ACP	Ash Conditioning Plant
SANAS	South African National Accreditation System
SANS	South African National Standards
QMS	Quality Management System
OEM	Original Equipment manufacturer
ISO	International Standards Organization
OHS	Occupational Health and Safety Act

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2.5 ROLES AND RESPONSIBILITIES

2.5.1 Eskom Rotek Industries

- Ensure that the contractor/supplier has the relevant and applicable standards and specifications governing the supply of the engineering works on plant equipment
- Ensure that the supplier has the right revision of approved construction drawings with correct quantities.
- Ensure the contractor has convenient access to Medupi Site for the Supplier.
- Ensure the contractor understands Medupi's site-specific regulations relating to Safety, Health Environment and Quality

2.5.2 Contractor/Supplier

- Ensure that the Supply and Supplied Works conform to and satisfy to the specifications as set out in this scope of works.
- Ensure they obtain useful and relevant information to enable effective completion of the works, including but not limited to Specifications, approved construction drawings, any OEM Manual, plant Operation manual/s.
- Ensure they communicate with ERI to understand the full nature of the Scope of works required.
- Ensure they understand the time frames set for completion of the Works.

2.6 PROCESS FOR MONITORING

The schedule and target delivery date of all items will be communicated by the **supplier**, in writing to Eskom Rotek Industries after order placement with **fixed and firm dates**.

2.7 RELATED OR SUPPORTING DOCUMENTS

- N/A

3. SCOPE OF WORK

3.1 EMPLOYER'S REQUIREMENTS FOR THE SERVICE

The Employer's objectives are to:

- Obtain asset maintenance service for the operations of the system as required to be completed in a specific period.
- Manage and control the risks associated with the plant maintenance and operation at different operating sites for Ash and Coal Handling Operations.

3.1.1 Maintenance Plant Specifications

The successful maintenance plant service provider is responsible to provide the maintenance service as per bill of quantities supplied on an as and when required basis. The successful service provider shall be **provided with** workshop facilities for the maintenance activities including vehicles for performing the maintenance tasks and thus needs to bear that in mind when pricing.

3.1.2 Maintenance plant services working shifts.

- The minimum activities paid per weekday for the maintenance activities shall be during workdays at an average 8 hours of work per day during the week (Excluding Saturdays and Sundays); overtime will only be worked upon written instruction from the project manager.
- The number of employees to undertake the activities shall be determined by the contractor
- Accommodation of contractor personnel shall be for the Contractor account

- Resource mobilisation will not be included in the rate the employer shall provide the facilities.
- Any service provider that is involved in unsafe act or environmental contravention will have to be stopped until an improvement plan is approved by the ERI BMS site management.

3.2 REQUIRED MAINTENANCE SERVICE PLANT SPECIFICATION

The specification included is a minimum guideline for the required maintenance and can only be used as an indicator of the class of the maintenance that is required. The quantities are an estimate of requirements is based on and as and when required basis.

ITEM No.	ITEM DESCRIPTION
1.	Preventative maintenance
2.	Corrective maintenance
3.	Planned maintenance
4.	Emergency breakdown
5.	Standby duties for call out purposes
6.	Commissioning activities as and when required
7.	The Contractor shall perform housekeeping and any other mechanical requirements at no additional costs.

The successful service provider ensures that the maintenance objective of attaining average 90% availability per week per Equipment

The successful service provider notifies the site management when there are challenges that affect the operation for maintenance purposes and the duration of the maintenance activity.

The successful service provider obtains the acceptance of the Project Manager in writing prior to reallocation of maintenance services to other work area.

3.3 DELIVERABLES

The successful maintenance service plant provider shall provide a maintenance plan for work execution daily to the site manager. The successful service provider provides maintenance of assets service to BMS within the specified time of notice given in writing

4. MANAGEMENT STRATEGY AND START UP.

4.1 THE CONTRACTOR'S PLAN FOR THE SERVICE

The contractor is required to submit plan for service within 7 days after receiving a work instruction from the service manager

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4.2 MANAGEMENT MEETINGS

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk registers and compensation events	As and when required	Site offices or Head Office	<i>Employer and Contractor</i>
Overall contract progress and feedback	As and when required	Site offices or Head Office	<i>Employer and Contractor</i>

Meetings of a specialist nature may be convened as specified elsewhere in this Service Information or if not so specified by persons and at times and locations to suit the Parties, the nature, and the progress of the *service*. Records of these meetings shall be submitted to the *Service Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

5. HEALTH AND SAFETY, THE ENVIRONMENT AND QUALITY ASSURANCE

5.1 HEALTH AND SAFETY RISK MANAGEMENT

The Maintenance service provider complies with the requirements of the OHS Act 85 of 1993 as well as the Employer's Standards and Procedures regarding 'Health and Safety at Eskom Power Stations'

The Maintenance service provider co-operates fully with the Employer's accident prevention procedure Document 32-95 as provided to mobile plant service provider on site-by-site management.

5.2 QUALITY ASSURANCE REQUIREMENTS

The Maintenance service provider conforms to the Quality Management requirements as stipulated in the User Requirement specification.

The quality requirements are as per ISO 9001, and Eskom Standard QM-58 Quality Requirements for Engineering and Construction works (Annexure A and B for the applicable section

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5.3 REQUIRED INFORMATION

- Quality, Test and Material Certificates on the supplied Materials
- Any Factory Acceptance Certificates where applicable
- Delivery Notes

5.4 CONFORMANCE

ISO 9000

6. AUTHORIZATION

This document has been seen and accepted by:

5. REVISIONS

Date	Rev.	Compiler	Remarks
2022/12/14	0	Tshepo Motlhabane	First Draft

6. ACKNOWLEDGEMENTS

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