Eskom	Strategy	Engineering

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1. INTRODUCTION

Kusile Power Station requires Specialized Technical, Management, Maintenance Optimisation and Commissioning Resources that will perform a complete analysis and assessment of MSMW of the On-Line Maintenance and outage environment at Kusile Power Station. The resultant report with the recommendations and action plans will then be utilized as a base/reference for continuous improvement and implementation of best practices within Kusile Power Station in Engineering, Maintenance and Outage departments.

1.1 SCOPE

This document covers the tender technical evaluation strategy that will be adopted by all Technical Evaluation Team (TET) members when performing technical evaluations for the contract. This document also lists the various technical areas across which the evaluation process is to be distributed.

1.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

1.1.2 Applicability

This document applies to Eskom Generation Kusile Power Station.

1.2 NORMATIVE/INFORMATIVE REFERENCES

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

1.2.1 Normative

[1] 240-48929482: Tender Technical Evaluation Procedure

[2] 32-1034: Eskom Procurement Policy

1.2.1 Informative

[1] 0001000320 EPRI - Best Practice Guideline for Planning and Scheduling

[2] 3002001348 EPRI - Developing an Equipment Reliability Program Model

[3] 3002006787 EPRI - Fossil Equipment Reliability Program Implementation Guideline

[4] 3002001368 EPRI - Communication Guidelines for Implementing an Equipment Reliability Program in a Fossil Power Generation Organisation

[5] 240-154191018: Kusile Power Station Provision of Human Resources for Specialized Technical, Management, Maintenance Optimization and Commissioning Resources that will perform a complete analysis and assessment of MSMW of the On-Line Maintenance and outage environment.

1.3 DEFINITIONS

1.3.1 Classification

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

1.4 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
MSMW	Maintenance Strategies & Manage Work
RWM	Routine Works Management
SD&L	Supplier Development and Localisation
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

1.5 ROLES AND RESPONSIBILITIES

Compiler	The document compiler is responsible for ensuring that this document is up-to-date and that this document is not a duplication of an existing documentation, regarding the document's objectives and content.
Functional Responsibility (Routine Works Maintenance Manager)	The Functional Responsible Person shall determine if the document is fit for purpose, before the document is submitted for authorisation.
Authoriser (Maintenance Manager)	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorise the release and application of the document.

1.6 PROCESS FOR MONITORING

The primary process for monitoring will be governed by the Generation document - 474-12217 Program to Drive Maintenance Effectiveness and Sustainability in Generation (A Phased Approach)

1.7 RELATED/SUPPORTING DOCUMENTS

Please refer to Section 1.2

2. TENDER TECHNCIAL EVALAUTION STRATEGY

The evaluation of tenders will be based on the tenderer's ability to meet the requirements specified in the 240-147836313 -Kusile Power Station Project Management, Change Management, Development, Implementation and Optimization of Fossil Power Plant Maintenance Scope of Work.

A weighted score card approach will be used to evaluate the tenders against the Employer's requirements. The following scoring method will be used.

Scoring of Qualitative Criteria

Score	Percentage	Description
5	100	**COMPLIANT** Meet technical requirement(s) AND, No foreseen technical risk(s) in meeting technical
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** Meet technical requirement(s) with; Acceptable technical risk(s) AND/OR. Acceptable exceptions AND/OR; Acceptable conditions.
2	40	**NON-COMPLIANT** Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; Unacceptable exceptions AND/OR; Unacceptable conditions.
0	0	**TOTALLY DEFICIENT OR NON-RESPONSIVE**
Note 1: The scoring table does not allow for scoring of 1 and 3**.** **Note 2:** Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

2.1 MANDATORY

Mandatory criteria (gatekeepers) are "must meet" criteria. They are assessed on a "Yes/No" basis. An assessment of "No" against a criterion shall technically disqualify the tenderer will not be further evaluated against qualitative criteria.

2.2 TECHNICAL EVALUATION THRESHOLD

To be eligible for Qualitative Evaluation, the tenderer shall meet all the Mandatory Evaluation requirements. The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

2.3 TET MEMBERS

TET number	TET Member Name	Designation
TET 1		
TET 2		
TET 3		
TET 5		
TET 6		
TET 7		

2.4 TECHNICAL EVALUATION CRITERIA

No	Mandatory Technical Criteria Description	Reference to Technical Specification / Reference to Technical Specification /	Reference to Technical Specification
1	Specify all the recommendations and resources	The service provider is expected to provide a method statement which will include Implementation methodology specifying an integrated resource plan, organogram, implementation plan, and an evaluation and reporting plans. Indicate the experience of managing the MSMW processes in Engineering, Maintenance and Outage environment by providing three proof of purchase orders in Eskom Power Station and one for outage planning & execution of units outages at least two of them.	Motivation for use of Criteria

Qualitative Technical Criteria					
No	**Qualitative Technical Criteria Description**	**Reference to Technical Specification / Tender Returnable**	**Criteria - Weighting (%)**	**Criteria -Sub Weighting (%)**	**Score rating**
	Method Statement		**60**		
1	Organogram detailing the structure of the resources.	1.1. Specify all other resources that will be utilized within the provision of the service including organogram (cater for all processes) organogram		20	Organogram submitted specifying all the resources that will be utilised in the service catering for the processes =100%

			60		Organogram submitted with the resources but not catering resources to be utilised =80% Submitted organogram with missing information= 40% Non-responsive=0%
1	Continuous improvement of MSMW during execution	1.2. Specify clearly how the service provider aims to evaluate and identify the current Maintenance and outage constraints that inform current Maintenance and outage performance solutions offered. This exercise should be conducted against known power plant best practice systems and processes (MSMW).		10	Submitted information detailing how to evaluate and identifying the current maintenance and outage constraints performance and continuous improvement on MSMW execution =100% Submitted information identifying the current maintenance and outage constraints without an evaluation plan = 80% Information submitted but not detailed= 40% Non-responsive=0%
1	Recommendations	1.3. Recommend practical, implementable performance improvement/turnaround initiatives to be embarked upon to improve the outage performance and the corresponding maintenance and engineering		15	Submitted information with practical implementable performance improvement/ turnaround initiatives embarked upon to improve outage performance,

					corresponding maintenance and outages with proof=100% Submitted information with practical implementable performance improvement/ turnaround initiatives embarked upon to improve outage performance, corresponding maintenance and outages with no proof =80% Submitted information with no proof of implementation =40% Non-responsive=0%
1		1.4. Demonstrate a practical method of integrating MSMW into Maintenance and Outage processes		10	Submitted information with traceable record= 100% Submitted information with no practicality = 80% Submitted information with practical implementable performance improvement/ turnaround initiatives embarked upon to improve outage performance with no proof and excluding maintenance and

					engineering correspondence = 40% Non-responsive=0%
		1.5. Quality assurance and control strategy to realize the initiatives presented in the proposal.		5	Submitted detailed approved Quality assurance and control strategy =100% Submitted Quality Control and Assurance strategy that is not approved = 80% Submitted Quality Assurance strategy that is not approved without a quality plan = 40% Non-responsive=0%
2	Resource	2.1 Site Manager With more than 20 yrs experience in Maintenance, engineering processes, Project Management, MBA, MSMW processes, Spares Management, Plant Configuration, PSR, ORHVS		10	Site Manager With more than 20 yrs experience in Maintenance, engineering processes, Project Management, MBSA, MSMW processes, Spares Management, Plant Configuration, PSR, ORHVS =100% Site Manager 15 yrs experience in Maintenance, engineering processes, Project Management, Spares Management, Plant

			40%		Configuration, PSR, ORHVS = 80% Site Manager 10 yrs experience in Maintenance, engineering processes, Project Management, PSR and ORHVS = 40% Non-responsive=0%
		2.2. Ten (10) CV's demonstrating that each Lead Engineer has adequate experience (Boiler, Turbine, Generator & Electrical, Common Plant, Plant Optimisation) with a minimum of 15 years' relevant experience		10	15 Years' adequate Experience in Boiler, Turbine, Generator& Electrical, Common plant and plant optimisation , with proof of ECSA Registration, for each of the Ten (10) Engineers & Two (2 Optimisation)= 100%. 10 Years' adequate Experience in Boiler, Turbine, Generator& Electrical & Optimisation Engineer with proof of ECSA Registration (1) = 80% 6Years'adequate Experience in Boiler, Turbine, Generator& Electrical Optimisation

					Engineer. Ten (10) System Leads = 40% None Responsive = 0%
		2.3. Eight (8) CV's for Maintenance Experts, custodian of SAP PM MASTER DATA, provide Technical Expertise during work package development , consolidation of defects management into outage scope and loading them into SAP PM ,Technical Assurance functions and ensure utilisation of SAP for all maintenance activities.		10	5 Years' Experience in SAP planning and scheduling with Premavera via P6,Knowledge of MBSA, Master data and Maintenance strategy = 100% (Qty: 8) 4 Years' Experience in SAP planning and scheduling with Primavera via P6 ,knowledge of MBSA .(Qty: 6) =80% 3 Years' Experience in planning in SAP and Primavera =40% Non-responsive= 0%
		2.4. Quality Controllers & Assurance-15 years' experience in Power Station Environment with quality qualification in ISO 9001		5	15 years' experience in Power Station Environment with quality qualification in ISO 9001=100% 10 years' experience in Power Station Environment

					with quality qualification in ISO 9001=80% 5 years' experience in Power Station Environment with quality qualification in ISO 9001= 40% Non-responsive=0%
		2.5. Commissioning- Experience in the Plant Commissioning (Ops & Vibration) = Qty (2 with 20 yrs experience in Ops and 1 Vibration Analyst with 5 years' experience		5	Experience in the Plant Commissioning (Ops & Vibration) = Qty (2 with 20 yrs experience in Ops and 1 Vibration Analyst with 5 years' experience)=100% Experience in the Plant Commissioning (Ops & Vibration) = Qty (2 with 10 yrs experience in Ops and 1 Vibration Analyst with 3 years' experience = 80% Experience in the Plant Commissioning (Ops & Vibration) = Qty (2 with 2 yrs experience in Ops and 1 Vibration Analyst with 2 years' experience = 40% Non-responsive=0%

		2.6. Spares Management Spares Management for MSMW work packages, knowledge of basic power station spares procurement and stores management, proficient in microsoft excel.		5	Submitted evidence of Spares Management for MSMW work packages, knowledge of basic power station spares procurement and stores management, proficient in Microsoft excel= 100% Submitted evidence with basic knowledge of power station spares procurement and stores management = 80% Submitted basic knowledge of spares procurement and stores management 40% Non-responsive = 0%

2.5 TET MEMBER RESPONSIBILITIES

TET Member Responsibilities

TET number	Mandatory Criteria Number and Qualitative Technical Evaluation Criteria	Designation
TET 1		
TET 2		
TET 3		
TET 4		
TET 5		

2.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

2.7.1 Risks

Table 1: Acceptable Technical Risks

Risk	Description
1.	Some resources contracted in
2.	No alternative tender will be acceptable at tender stage.

Table 2: Unacceptable Technical Risks

Risk	Description
1.	Contractors' critical skills in integrating of MSMW in engineering, maintenance and outages environment.
2.	Insufficient information supplied on the submitted implementation methodology
3.	Lack of Experience: Method statement insufficient to turn around the MSMW
4.	Lack of Experience: In units Optimisation in the process of MSMW Implementation

2.6.1 Exceptions / Conditions

Table 3: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	none

Table 4: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation from technical requirement

3. AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation

4. REVISIONS

Date	Rev.	Compiler	Remarks
August 2025	1		Final Report
	2		Final Report

5. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Name & Surname	Designation

6. ACKNOWLEDGEMENTS

N/A