



Strategy

Majuba Power Station

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Implementation Strategy**

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1. INTRODUCTION

Eskom Generation is embarking on a drive to improve Eskom Power station performance, across the Eskom Coal Fired Power Station fleet. An evaluation is being conducted in accordance with known best practice and systems process information. All Eskom processes at each power station are being analysed and assessed with subsequent reports, recommendations, and action plans. Power Stations performance is being measured against world class operational standards.

1.1 Scope

The Cluster requires Specialized Technical, Management and Commissioning Resources that will perform a complete analysis and assessment of the outage environment at specified sites within the Generation fleet. 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 the specified Power station outage departments.

1.2 Purpose

This tender enquiry seeks to procure the services of a competent professional service provider who has the requisite proven skills, competency and experience to improve Outage performance by the implementation of World Class Outage and Maintenance Processes and Practices”.

1.3 Applicability

This document applies to Eskom Generation Cluster 3 Stations (Duvha, Kriel, Camden and Majuba).

1.4 References

240-48929482 Rev 1: Tender Technical Evaluation Procedure

1.4.1 Classification

Public domain: published in any public forum without constraints (either enforced by law, or discretionary).

1.5 Abbreviations

Abbreviation	Description
TET	Technical Evaluation Team

1.6 Roles and Responsibilities

As per 240-48929482 rev1: Tender Technical Evaluation Procedure.

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2. TENDER TECHNICAL EVALUATION STRATEGY

2.1 Technical Evaluation Threshold

- ✓ The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%. Should no Contractor meet the minimum threshold of 70% Eskom reserves the right to negotiate and/or consider Contractors that obtained between 65% and 69%.
- ✓ If any technically unacceptable deviations or exclusions are listed in the tender, the tender will be deemed as an alternative tender and considered to be non-responsive and it shall not be evaluated. No alternative tenders are allowed. If no technical deviations are mentioned in the tender, it will be assumed that the Contractor shall fully comply with the scope of work.
- ✓ If the tender returnable are not provided the scoring for the specific criteria shall be zero as described in Table 1: Scoring of Qualitative Criteria. If the mandatory requirements are not submitted the tender shall be seen as non-responsive.

Table 1: Scoring of Qualitative Criteria

Score	(%)	Definition
5	100	COMPLIANT <ul style="list-style-type: none">• Meet technical requirement(s) AND;• No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS Meet technical requirement(s) with; <ul style="list-style-type: none">• Acceptable technical risk(s) AND/OR;• Acceptable exceptions AND/OR;• Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none">• 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

2.2 TET Members

- ✓ Technical evaluation will be done by the member listed on table below:

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	YS Ngcashi	PSGM (Majuba Power Station)
TET 2	Z Nkosi	Technical Plant Manager acting (Majuba Power Station)
TET 3	Pieter Potgieter	Middle Manager Risk and Assurance
TET 4	Kagiso Molokoane	Chief Engineer

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2.3 Tender returnable

The Contractor shall supply the following information as tender returnable as part of his tender. Should the mandatory returnable not be supplied tender will be rejected and considered non-complaint.

The service provider is expected to provide a method statement which will include an integrated resource plan, organogram, implementation plan, and an evaluation and reporting plan.

- ✓ Specify all other resources that will be utilized within the provision of the service.
- ✓ The proposal must specify clearly how the service provider aims to evaluate and identify the current outage constraints that inform current outage performance. This exercise should be conducted against known power plant best practice systems and processes.
- ✓ The Service provide must further recommend practical, implementable performance improvement/turnaround initiatives to be embarked upon to improve the outage performance and the corresponding maintenance and engineering inputs.
- ✓ The Service provider must demonstrate a practical method of integrating MS&MW into Outage processes.
- ✓ Finally, the service provider must submit a quality assurance and control strategy to realize the initiatives presented in the proposal.

2.4 Mandatory Technical Evaluation Criteria

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Motivation for use of criteria
1	The service provider is expected to provide a method statement which will include an integrated resource plan, organogram, implementation plan, and an evaluation and reporting plan.	To ensure capability of the service provider

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2.5 Qualitative Technical Evaluation Criteria

Table 3: Qualitative Technical Evaluation Criteria

Number	Qualitative Technical Criteria Description		Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Method Statement Evaluation		60	
	1.1	Specify all other resources that will be utilized within the provision of the service including organogram		20
	1.2	The proposal must specify clearly how the service provider aims to evaluate and identify the current outage constraints that inform current outage performance. This exercise should be conducted against known power plant best practice systems and processes		20
	1.3	Recommend practical, implementable performance improvement/turnaround initiatives to be embarked upon to improve the outage performance and the corresponding maintenance and engineering inputs		20
	1.4	Demonstrate a practical method of integrating MS&MW into Outage processes		20
	1.5	Quality assurance and control strategy to realize the initiatives presented in the proposal		20

2.	Resources			40	
		Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable		
	2.1	Four (4) CV's demonstrating that each Lead Engineer has adequate experience (Boiler, Turbine, Generator & Electrical, Common Plant) with a minimum of 20 years' relevant experience	>15 Years' Experience for each of the Four (4) Engineers = 100% 10 to 15 Years' Experience for each of the Four (4) System Leads = 50% <10 Years' Experience for each of the Four (4) System Leads = 0%		30
	2.2	Four (4) CVs for Planners	>5 Years' Experience in outage planning with MS Projects and Premavera = 100% 2 to 5 Years' Experience in outage planning with MS Projects and Premavera = 50% <2 Years' Experience in outage planning with MS Projects and Premavera = 0%		10
				TOTAL=100	

2.6 Tet Member Responsibilities

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1	X	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1.1	X	X	X	X
1.2	X	X	X	X
1.3	X	X	X	X
1.4	X	X	X	X
1.5	X	X	X	X
2.1	X	X	X	X
2.2	X	X	X	X

2.7 Foreseen Acceptable / Unacceptable Qualifications

Table 5: Acceptable Technical Risks

Risk	Description
1	Some resources contracted in

Table 6: Unacceptable Technical Risks

Risk	Description
1	Contractor subcontracting key resource, project lead.
2	Insufficient information supplied on the submitted method statements
3	Method statement insufficient

3. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
YS Ngcashi	GM (Majuba Power Station)
M Raphasha	GM (Kriel Power Station)
B Moyo	SGM (Cluster 3 Manager)

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