



Technical Evaluation Strategy

Engineering

Title: The collection, dismantling, assessment, repair, refurbishment, rewind, assemble, test, paint and delivery of all unitised and outside plant MV Motors at Duvha Power Station during unplanned, planned outages and breakdown maintenance for a period of five (5) years.	Unique Identifier:	382-171761
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1. INTRODUCTION

The contractor is required to execute the scope of work as per the 240-89217674 Refurbishment and Repair of Power Station Electric Motors Works Instruction Rev3

This document outlines the technical evaluation criteria and stating how the tenderer(s) Scope of Work will be evaluated on their submitted technical returnable to execute the collection, dismantling, assessment, repair, refurbishment, rewind, assemble, test, paint and delivery of all unitised and outside plant MV Motors at Duvha Power Station during unplanned, planned outages and breakdown maintenance for a period of five (5) years.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET). The team members are listed and appointed in this document along with their responsibilities.

The document also describes the acceptable and unacceptable risks and qualifications and/or conditions.

Once the Technical Evaluation Strategy is authorised, no changes will be made to the evaluation criteria without appropriate authorisation.

2.1.1 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 tender technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document is applicable to the tenderer(s) for the collection, dismantling, assessment, repair, refurbishment, rewind, assemble, test, paint and delivery of all unitised and outside plant MV Motors at Duvha Power Station during unplanned, planned outages and breakdown maintenance for a period of five (5) years.

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] 240-48929482: Tender Engineering Evaluation Procedure
- [2] 32-1034: Eskom Procurement Policy
- [3] Duvha Power Station Medium Voltage (MV) Motors Repair Contract Scope of Work
- [4] MV Motor Repair Contract Technical Evaluation Criteria Guideline - Rev 1

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- [5] Duvha PS MV Motor Repair Contract Motors Technical Specification Rev 1
- [6] 240-89217674 Refurbishment and Repair of Power Station Electric Motors Work Instruction (Rev_3)

2.2.2 Informative

- [7] 240-53113685: Design Review Procedure
- [8] 240-53114026: Project Engineering Change Management Procedure

2.3 DEFINITIONS

Definition	Description
Tender	A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification

2.3.1 Disclosure Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
EDWL	Engineering Design Work Lead
LDE	Lead Discipline Engineer
N/A	Not Applicable
TET	Technical Evaluation Team
KPA	Key Performance Appraisal
KPI	Key Performance Indicator

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482, Tender Engineering Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

Scope of Work - The collection, dismantling, assessment, repair, refurbishment, rewind, assemble, test, paint and delivery of all unitised and outside plant MV Motors at Duvha Power Station during unplanned, planned outages and breakdown maintenance for a period of five (5) years.

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3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD & METHOD

Mandatory Technical Evaluation Criteria (gatekeepers) are 'must meet' criteria. These criteria shall not be weighted nor point scored but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met.

The minimum weighted final score (threshold) required for a tenderer to be considered from a technical perspective is 70% as per the 240-48929482, Tender Engineering Evaluation Procedure.

The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements.

The scoring method will be as stipulated in Table 4.

3.2 TET MEMBERS

The full-time core technical evaluation team will consist of the following team members (in-line with the Tender Engineering Evaluation Procedure, 240-48929482) in Table 1:

Table 1: TET Members

TET number	TET Member Name	Designation
1	Virginia Mangwiro	Electrical Engineering – Senior Engineer
2	Andrew Sibiya	Electrical Engineering – Senior Technician
3	Millicent Phukuntsi	Electrical Maintenance – Technician Electrical

The part time/support team member shall be required to fill in a technical evaluation form, if their names are marked as mandatory (X), next to a criterion. The part time/ support team member may not be required to fill in a technical evaluation form, if their names are marked as optional (O) next to a criterion but shall assist the main members where necessary. These members may be as follows in Table 2:

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

No	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Submission of fully completed MV Motor Repair/Refurbishment Technical Schedule B by Supplier with relevant supporting information	<i>Fully completed MV Motor Repair/Refurbishment technical Schedule B by supplier with relevant supporting information as per Technical Schedule A&B template Rev1</i>	Integrity
2.	Confirmation Letter that the tenderer has a local MV Motor repair workshop with testing capability.	<i>Signed Letter to confirm that the tenderer has a local MV motor repair workshop</i>	Capability and capacity constraint
3.	Confirmation Letter that the tenderer will comply to MV Motor Refurbishment and Repair of Power Station Electric Motors Works Instructions (240-89217674)	<i>Signed letter to confirm that the tenderer will comply to MV motor refurbishment and repair of Power Station Electric Motors Works Instruction</i>	Capability and capacity constraint

3.4 QUALITATIVE CRITERIA EVALUATION

During the tender evaluations, the following Table 4 shall be used by the TET members to score each criterion:

Table 3: Qualitative Evaluation Criteria Scoring Table

SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT - 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; - 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;

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		• Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE
Note 1: The scoring table does not allow for scoring of 1 and 3		

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3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

KPA - Area of Evaluation	Criteria Weighting (%)	Criteria Sub Weighting (%)	KPI - Criteria Evaluation Indicator	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable
<u>1</u>					
1.1 Manufacturing/ Repair Facility and Capability	35%	6%	Crane	Crane size facility	Tech. Schedule B vs A - Item 2.01
		4%	Cleaning	Cleaning facility	Tech. Schedule B - Item 2.02
		5%	Ovens	Burn out ovens facility	Tech. Schedule B vs A - Item 2.03
		4%	Ovens	Curing oven facility	Tech. Schedule B vs A - Item 2.04
		5%	Ovens	VPI Tanks	Tech. Schedule B - Item 2.05
		3%	Balancing	Balancing machine	Tech. Schedule B vs A - Item 2.10
		2%	Coil	Coil Shop	Tech. Schedule B vs A - Item 2.06
		2%	Winding	Winding Shop	Tech. Schedule B vs A - Item 2.07
		2%	Painting	Spray booth facility	Tech. Schedule B vs A - Item 2.08
		2%	Storage	Covered storage area	Tech. Schedule B vs A - Items 2.09
1.2	30%	3%	IR	Insulation resistance testing equipment	Tech. Schedule B vs A - Item 3.07

Testing Facility and Capability		5%	HV	High voltage testing facility and equipment	Tech. Schedule B vs A - Item 3.08
		3%	Winding	Phase resistance testing equipment	Tech. Schedule B vs A - Item 3.09
		3%	Interturn	Interturn testing equipment	Tech. Schedule B vs A - Item 3.10
		2%	Bearing Oil Lub	Bearing oil Lubrication system	Tech. Schedule B - Item 3.04
		2%	Bearing water Lub	Bearing water Lubrication system	Tech. Schedule B - Item 3.05
		5%	Vibration	Full vibration spectrum analysis capability as per item 3.11	Tech. Schedule B - Item 3.11
		5%	Routine test	Routine Test report with results as per items 3.01 to 3.11	Tech. Schedule B vs A - Routine test results a per Item 3.01 to 3.11
		2%	NDT	NDT Shaft/Fans	Tech. Schedule B vs A - Item 2.11
1.3 Skills Capability	15%	3%	Rewinder	Qualified armature rewinder	Technical Schedule B vs A - Item 5.01
		2%	Technical	Technical personnel (e.g. Engineer, Technician)	Technical Schedule B vs A - Item 5.02
		3%	Fitter	Qualified Fitter	Technical Schedule B vs A - Item 5.03
		3%	QC	Quality control personnel	Technical Schedule B vs A - Item 5.04
		4%	Technical	Vibration Analyser (Level 2 certificate)	Technical Schedule B vs A - Item 5.05
1.4 Transport Capability	5%	3%	Trucks	Number of trucks	Technical Schedule B - Item 6.01
		2%	Tonnage	Maximum tonnage capability	Technical Schedule B - Item 6.02

1.5 Documentation	5%	3%	Report	Failure report sample covering incoming assessment, inspections, testing and failure analysis	Technical Schedule B - Item 7.01
		2%	Data storage	Minimum period of information storage of electronic data	Technical Schedule B vs A - Item 7.02
1.6 Services, Certification and Production	10%	2%	Field service	Field services available	Technical Schedule B vs A - Item 8.01
		3%	Response time	Emergency Response time	Technical Schedule B vs A - Item 8.02
		5%	Warranty	Warranty on Workmanship	Technical Schedule B vs A - Item 11.01

3.5.1 TET Member Responsibilities

Key: X = Mandatory;

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
3	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3
1.1	X	X	X
1.2	X	X	X
1.3	X	X	X
1.4	X	X	X
1.5	X	X	X
1.6	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

It is anticipated that various risks, exceptions and conditions will be identified during the clarification and negotiation process. Each of those will be considered and evaluated individually to determine whether they are acceptable, unacceptable or whether suitable mitigation measures can be agreed upon.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Andile Nqayane	Duvha Electrical Engineering Manager
Maila Mamoleka	Duvha Middle Engineering Manager
Fhatu Tshisikhawe	Duvha Middle Maintenance Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
February 2026	0	Virginia Mangwiro	1 st Issued

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6. DEVELOPMENT TEAM

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

- Virginia Mangwiro – Senior Engineer Duvha - Electrical Engineering
- Marubini Manyage - Chief Engineer Gx Engineering – Electrical Engineering

7. ACKNOWLEDGEMENTS

- Electrical Maintenance Department

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