

	Motor Tech Evaluation Criteria	Komati Water Scheme
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Evaluation Criteria**

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1. SUMMARY

Komati Water Scheme is in the process of obtaining a new maintenance contract for all the electrical motors. To ensure that all the tenderers are up to standard each tenderer will be evaluated on the technical capability of the workshop, people and if all the safety standards are in place.

The purpose of this document is to lay down the foundation to the level that, the motor contract tenderers will be evaluated to. All the relevant motor contractors will be scored to the standard described and set in this document. This will ensure that all tenderers are evaluated on the same level.

2. INTRODUCTION

The purpose of this document is to lay down the foundation to the level that the motor contract tenderers will be evaluated to. All the relevant motor contractors will be scored to the standard described and set in this document. This will ensure that all tenderers are evaluated on the same level.

2.1 DEFINITIONS

N/A

2.2 ABBREVIATIONS

Abbreviation	Description
HV	High Voltage
VPI	Vacuum Pressure Impregnation
SOW	Scope of work

In the preceding table, list and describe all abbreviations used in the document.

2.3 ROLES AND RESPONSIBILITIES

The following departments must nominate certain candidates to visit each workshop with the evaluation criteria to evaluate each workshop.

- Electrical Engineering
- Electrical Maintenance

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3. TECHNICAL RETURNABLE

All documents listed below to be submitted in writing in a separate technical file and be part of tender returnables.

4. WORKSHOP INSPECTION CRITERIA

4.1 TECHNICAL CRITERIA RETURNABLES.

Each workshop will be evaluated by the criteria tabled below.

- HV turnaround time (emergency rewind, to be confirmed in writing)
- HV turnaround time (normal rewind, to be confirmed in writing)
- HV turnaround time (emergency white metal bearings replacement, to be confirmed in writing)
- HV turnaround time (normal white metal bearings replacement, to be confirmed in writing)
- Turnaround time (emergency dry-out, to be confirmed in writing)
- Current sites established where executing the onsite HV repairs and maintenance scope. (Provide in writing proof of 3 Eskom order min/ a contract No./Completion certificate)

Gatekeeper: Mandatory

Availability of workshop to repair the HV motors	Yes		No	
Tendered as per SOW (for HV and manpower)	Yes		No	
Turnaround time to repair HV motor	Yes		No	

NB: If the answer is NO on gatekeeper that will mean the end of evaluation and considered fail.

Evaluation range: Yes or No (All / nothing)

No – Did not meet our requirement as per SOW

Yes – Meet our requirement as per SOW

Criteria: Minimum pass percentage: 70%

Only the best (highest scored) contractor will be technically recommended.

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Criteria	%	
1. WORKSHOP	40%	
Housekeeping and Demarcation	2%	
Strip and assess area to accommodate GO repairs	2%	
Overhead crane capacity (above 25 tons)	2%	
Winding section capacity	2%	
Workshop space capacity to accommodate GO repairs	2%	
Dismantle and assembling procedure.	3%	
VPI capacity	3%	
Oven capacity	3%	
Balancing machinery for MV	3%	
Shaft NDT machine	3%	
Test bay structure capacity	2%	
Test bay voltage capacity (should accommodate up to 6.6kv)	3%	
Calibration certificates on test equipment	5%	
Load tests certificates for lifting equipment	5%	
Comments		
2. HV MOTORS	50%	
Turnaround time (emergency rewind, to be confirmed in writing)	10%	
Turnaround time (normal rewind, to be confirmed in writing)	10%	
Turnaround time (emergency white metal bearings replacement, to be confirmed in writing)	5%	
Turnaround time (normal white metal bearings replacement, to be confirmed in writing)	5%	
Turnaround time (emergency dry-out, to be confirmed in writing)	10%	

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References for winding repairs (a minimum of three orders and data packs, for Eskom and other companies)	10%	
Comments		
3. MANPOWER	10%	
3.1. Qualifications	10	
3.1.1. Experience and Qualifications of Key personnel (Artisan, Supervisor, Technician & Engineer)		
Comments		
FINAL COMMENTS		

5. SUMMARY OF WORKSHOP RESULTS

To be compiled after workshop visits.

6. REVISIONS

Date	Rev.	Compiler	Remarks
August 2014	00	H. J. Claasen	Initial Document
Jul 2018	01	BG Mthethwa	Revision
October 2022	02	LB Nkonde	Revision

7. DEVELOPMENT TEAM

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

- Lindiwe Nkonde

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