

 Eskom	Strategy	Kusile Power Station
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Title: **Kusile Power Station Repair of LV Motor Tender Technical Evaluation Strategy**

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1. Introduction

The Tender for the refurbishment of all Low Voltage (1000V and below) Motors found at Kusile Power Station will be issued to the open market through Eskom Tender Bulletin. This document outlines the criteria that will be used to evaluate the tenders that will be submitted. This forms part of the pre-qualification strategy.

2. Supporting Clauses

2.1 Scope

For full scope of work for this project, refer to the Kusile Power Station Scope of Work – LV motor for Refurbishment/Repairs (Document Number: 240-78066416).

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

2.1.2 Applicability

This document is applicable to Kusile Power Station – LV Motor Refurbishment/Repairs Contract tender Normative/Informative References

2.2 Normative/Informative References

2.2.1 Normative

- [1] ISO 9001 Quality Management Systems
- [2] National Environmental Management Waste Act No 26 of 2014.
- [3] National Environment Management Act No 14 of 2009
- [4] Occupational Health and Safety & Regulations Act No 85 of 1993.
- [5] Kusile Power Station Waste Management Work Instruction (240-105776552)
- [6] Act No 102 of 1980: National Key Points
- [7] 240-48929482: Tender Technical Evaluation Procedure

2.2.2 Informative

- [8] National Treasury Instruction 4 of 2015-2016 – Standard for Infrastructure Procurement and Delivery, 23 June 2016.
- [9] 32-1034 Eskom Procurement Policy.
- [10] 32 – 726: S.H.E. Requirements for the Eskom Procurement and Supply Chain Management Process.
- [11] Kusile Maintenance User Requirements Specifications

2.3 Definitions

Contractor	Service provider contracted for supplying specific service to Eskom, Kusile Power Station
Controlled Disclosure	Controlled Disclosure to external parties (either enforced by law, or discretionary).
Employer	Refer to Eskom Holding State Owned Company
Specification	The document/s forming part of the contract in methods of executing the various items of work to be done is described, as well as the nature and quality of the materials to be supplied and it includes technical schedules and drawings attached thereto as well as all samples and patterns
LV	Low Voltage
Repair	Restore something that is damage, faulty and worn to a good condition

2.4 Abbreviations

Abbreviation	Description
BBEEE	Broad Base Black Economic Empowerment
DOL	Department of Labour
MV	Medium Voltage
TET	Technical Evaluation Team
TES	Technical Evaluation Strategy
SD&L	Supplier Development and Localisation
SOW	Scope of Work
VPI	Vacuum Pressure Impregnation
NDT	Non-Destructive Testing

2.5 Roles and Responsibilities

N/A

2.6 Process for Monitoring

N/A

2.7 Related/Supporting Documents

Refer to 2.1 & 2.2

3. Tender Technical Evalaution Strategy

3.1 Technical Evaluation Threshold

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

The workshop visitation will be carried out all the tenders that have tender for this contract, All the contractors who meet the technical acceptability requirements from the Technical Evaluation stage will proceed to the workshop evaluation stage

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET member name	Designation
TET 1: Electrical Maintenance	Sanele Mazibuko	Senior Technician
TET 2: Electrical Maintenance	Ntombifuthi Ngwenya	Senior Supervisor Tech
TET 1: Electrical Maintenance	George Mbangula	System Engineer

3.3 Mandatory Tender Technical Evaluation Criteria

In order for the tenderer to be eligible for qualitative evaluation, the tenderer shall satisfy both the Mandatory evaluation criteria's below:

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Tender Returnable (s)	Motivation for use of Criteria
1.1	Accreditation for the repair of flame proof motors	Certificate by an accredited body (South African Flameproof Association)	Kusile power station have installed motors that are classified.

3.4 Qualitative Tender Technical Evaluation Criteria

Notes to tenderer:

1. An undertaking is required that resources identified would not be changed on award of the Contract.
2. The CV's of Key Personnel should have experience which is comparable in nature to the Works specified in this tender.
3. It is a requirement that the key personnel, in particular, have good communication skills in the English language.
4. Where no information is offered by the Tenderer no points shall be scored.

5. Experience and Qualification of key personnel's must be minimum:

- Supervisor- NQF level 6/ equivalent + 5 years' Experience
 - Safety Officer SAMTRAC, as minimum , Safety officer qualification and 3 year's experience
- Artisan (Electrical & Mechanical) - NQF level 4/ equivalent + 3 years' Experience
- Semi-skill- Matrix/NQF Level 3 + 3-year experience
- All qualifications and ID's to be certified (Upon submission the documents should be certified on current the month because documents will be valid for 9 months after submission of tender)

Table 3: Qualitative Technical Evaluation Criteria Weights

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Weighting in number (0,2,4,5)
1.	LV Motor Refurbishment/Repairs for the same scope with a duration of 3 or more years.	Tender returnable documents	Tender returnable weight	Tender returnable sub-weight
1.1	Work Experience	Submission of contract completion certificates and traceable references	20%	5 = More than 5 years experience with traceable references and signed completion certificate 4= 3 years to 4 years experience with traceable references and signed completion certificate
	Proof of experience minimum 3 Years of executing the LV Motor Refurbishment/Repair scope of Work			2= 2 years experience with traceable references and signed completion certificate 0= 1 year or Less
			Criteria Weighting (%) 5%	Criteria Weighting in number (0,5)

1.2	DOL	Department of Labor Registration as an Electrical Contractor	Provide verification proof of Registration with the Department of Labor as an Electrical Contractor	5%	5= All documents submitted (DOL letter as Electrical contractor submitted) 0= No DOL letter as Electrical contractor submitted
				Criteria Weighting (%) 10%	Criteria Weighting in number (0,5)
1.3	Organogram	Organogram of key personnel	- Experience and Qualification of key personnel: ✓ Supervisor- NQF level 6 + 5 years' Experience ✓ Safety Officer as SAMTRAC minimum qualification, safety officer qualifications and 3 year's experience	10%	5= All documents submitted (certified: certificate Diploma /NQF level 6 or equivalent, CV with 5 year experience, current certified ID copy) 0= No Submission or documents outstanding and or not certified 5= All documents submitted (certified: SAMTRAC and Safety officer qualifications, CV with 3 year experience, current certified ID copy,) 0= No Submission or documents outstanding and or not certified

		✓ X4 Artisan (Electrical & Mechanical) - NQF level 4 + 3 years' Experience		5= All documents submitted (certified: NQF level 4 or equivalent, CV with 3 year experience, current certified ID copy,) 0= No Submission or documents outstanding and or not certified
		✓ X4 Semi-skill- NQF Level 3 + 3-year experience		5= All documents submitted (certified: NQF level 3 or equivalent, CV with 3 year experience, current certified ID copy,) 0= No Submission or documents outstanding and or not certified
2.	Quality Management and Methods Statement		Criteria Weighting (%) 5%	Criteria Weighting in number (0,5)
2.1	Method Statement	Method statement for LV Motor refurbishment	5%	5= Detailed Method statement submitted 0= No Submission
			Criteria Weighting (%)	Criteria Weighting in number (0,2,5)

				10%	
2.2	Agreements	Technical agreement letter with LV Motor OEM in place to prevent	3x Signed agreement letter by the OEM's to ✓ supply copper wires to wound the motor, ✓ bearings to replace on motor, ✓ Other replacement parts for LV motors excluding bearings and copper wires	10%	5= All 3 documents submitted 2= 2 Submission 0= 1 to no submission
				Criteria Weighting (%) 10%	Criteria Weighting in number (0,5)
2.3	QCP	Approved Quality Control Procedures	Completed and signed Quality Control Procedure and 5 previously completed and signed QCPs For motor refurbishment and repairs	10%	5= Quality procedure, and All 5 completed and signed QCP's completed documents submitted 0= less or No Submission
3.	Workshop Visit (70% of the 40% must be in one workshop)		Workshop Requirement and Testing Facilities	Criteria Weighting (%) 40%	Criteria Weighting (%)
					Score Motivation and comment

3.1	Workshop Requirement and Testing Facilities (Workshop Visitation)	Housekeeping and Demarcation	1		
3.2		Strip, Assess and Repair area	1		
3.3		Overhead Crane capacity (Above 5Ton)	2		
3.4		Dismantle and assembling procedure	1		
3.5		VPI capability	1		
3.6		Burn out oven capability and Curing ovens	2		
3.7		Winding Shop and Coil Shop	1		
3.8		Balancing Machinery	1		
3.9		Shaft NDT machines	1		
3.10		Test bay structure capability (220V to 690V)	2		
3.11		Hot-spot repair capability and Spray Booth area	2		
3.12		Sand Blast area	1		
3.13		Core re-stack capability	2		
3.14		Rotor-bar replacement capability	2		
3.15		End shield repair/machining	1		
3.16		Frame Concentricity repair capability	1		

3.17			Laminations manufacture capability	1		
3.18			Shaft repair/Journals repairs	1		
3.19			Bearings repair/housing	1		
3.20			Electrical tests (IR, PI, stator winding resistance test)	1		
3.21			High voltage test	2		
3.22			No-load test facility	1		
3.23			Locked rotor test facility	1		
3.24			Dissipation factor (Tan delta and capacitance test)	1		
3.25			Broken/porous bars testing capability	1		
3.26			Impulse Testing and Core Flux Test	1		
3.27			Full load tests facility	1		
3.28			Spark proofing test	2		
3.29			Shaft micro weld and grinding	2		
3.30			Vibration test capabilities	2		
			TOTAL:	100		

3.5 TET Member Responsibilities

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1.1	X	X	X
1.1	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
2.1	X	X	X
2.2	X	X	X
2.3	X	X	X
3.1	X	X	X
3.2	X	X	X
3.3	X	X	X
3.4	X	X	X
3.5	X	X	X

3.	
4.	

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A
1.	
2.	
3.	
4.	
5.	
6.	

Table 8: Unacceptable Technical Exceptions / Conditions)

Risk	Description
1.	N/A
2.	
3.	
4.	
5.	
6.	

4. Authorisation

This document has been seen and accepted by:

Name	Designation
Abel Vuma	Group Maintenance Manager
Bongekile Makini	Electrical Maintenance Manager

5. Revisions

Date	Rev.	Compiler	Remarks
August 2025	1	Ntombifuthi Ngwenya	First Issue

6. Development Team

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

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7. Acknowledgements

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