Eskom	Strategy	Engineering

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1. Introduction

Medupi Power station intends to place a spares supply contract for the Earthing & Lightning Protection System.

This document provides an overview of Eskom's Technical Evaluation criteria to be used for the evaluations of the tender submissions for the spares supply for the Earthing & Lightning Protection System at Medupi Power Station for a period of five (5) years. The document provides annexures developed to address various aspects required to perform technical evaluations.

2. Supporting Clauses

The scope of this document is to define and document the Tender Technical Evaluation Strategy for the supply of Earthing & Lightning Protection System spares.

2.1 Scope

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

The Tender Technical Evaluation Strategy will define the following technical evaluation criteria:

- Mandatory Evaluation criteria
- Qualitative Evaluation criteria
- TET Member Responsibilities
- Acceptable/Unacceptable Qualifications

No changes will be permitted to be made to the evaluation criteria once the Technical Evaluation Strategy is approved by the relevant Engineering Group Manager.

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 applies to the Tender Evaluation Team for Regulators in accordance with the authorised procurement strategy.

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 Technical Evaluation Procedure

[2] ISO 9001 Quality Management Systems

[3] Eskom SHQ Policy 32-727

[4] 240-168966153: Generation Tender Technical Evaluation Procedure

[5] 240 – 48929482 Tender Engineering Evaluation Procedure

[6] 240-90354249 Medupi Power Station Earthing & Lightning Protection Spares Strategy

[7] 240-150556849 Medupi Power Station Cabling, Earthing and Lightning Protection Spares Procurement

2.2.2 Informative

[8] NEC 3 Supply Contract

[9] 32-1033 Eskom Procurement and Supply Chain Management Policy

[10] 32-1034 Eskom Procurement and Supply Chain Management Procedure

[11] 240-56356396 Earthing and Lightning Protection Standard

2.3 Definitions

2.3.1 Classification

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

Mandatory Evaluation criteria**:** (gatekeepers) are 'must meet' criteria.

Qualitative 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.

2.4 Abbreviations

Abbreviation	Description
NEC	New Engineering Contract
TET	Technical Evaluation Team

2.5 Roles and Responsibilities

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 Process for monitoring

N/A

2.7 Related/Supporting Documents

N/A

3. Tender Techncial Evaluation Strategy

3.1 Technical Evaluation Threshold

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.The minimum weighted threshold required for this tender is 80%. A weighted score-card approach is used to evaluate the technical compliance of the tenders against the specifications. Tenderers must achieve a total weighted score of 80% or more to qualify for further evaluation.

The evaluation of the tender submissions will be based on the tenderer's ability to meet the Eskom Procurement and Supply Chain Management Procedure (32-1034) in conjunction with the Preferential Procurement Policy Framework Act (PPPFA), No.5 of 2000.

Note: Tenderers will be expected to score at least a minimum threshold of 80% points to proceed to the next phase. If tenderers score below 80%, points will be considered technically unacceptable. However, if all the received tenders score less than the threshold Eskom reserves the rights to negotiate with the tenderer who scored the most points.

3.2 TET memberS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Thembelihle Majozi	System Engineer
TET 2	Conrad Matthee	Snr Engineer Prof Engineer
TET 3	Mokgadi Seabela	Snr Technician Electrical
TET 4	Nkosana Zwane	Snr Supervisor Tech Elect
TET 5	Phuti Thlathla	Snr Technician Electrical

3.3 Scoring Method

Table 2 Scoring Method

Score	(%)	Definition
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; • Unacceptable conditions.
0	0	**TOTALLY DEFICIENT OR NON-RESPONSIVE**

3.4 Mandatory Technical Evaluation Criteria

There will be no Mandatory requirements for this Transaction.

3.5 Qualitative Technical Evaluation Criteria

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	**Supply experience and capabilities**		**40%**	
	The supplier should have at least 4 orders within the last four years supplying Earthing & Lightning Protection Spares.	• Supplier's Company profile, • Submit proof of at least 4 previously awarded orders by Eskom and or other companies (with order number and referral contacts) within the last 4 years.	Company profile and 4 copies of previous orders supplied in the last 4 years	100% = 5
			Company profile and 4 copies of previous orders supplied in the last 3 years	80% = 4
			Company profile and 4 copies of previous orders supplied in the last 2 years	40% = 2

		Note: If one of the returnable (Company profile and Proof of previous orders) is not submitted, the score will be 0.	Company profile and 4 copies of previous orders supplied in the last year **OR** Only One of the returnable is submitted. **OR** Less than 4 copies of previous orders submitted.	0% = 0
2.	**Technical requirements**		**40%**	
	Datasheets spares on Appendix A	• Technical specifications/ Datasheet for each of the spares on Appendix A		
			Data sheets with technical specifications for all Spares listed in table 9, appendix A.	100% = 5
			Data sheets with technical specifications for 90% of Spares listed in table 9 , appendix A	80% = 4
			Data sheets with technical specifications for 70% of Spares listed in table 9, appendix A.	40% = 2
			Data sheets with technical specifications for less than 70% of Spares listed in table 9, appendix A. **OR** No submission	0% = 0

3.	**Supplier delivery**		**5%**	
		• Indicate Lead time to deliver spares upon placement of order.	Letter indicating lead time not greater than 30 days submitted for all spares.	100% = 5
			Letter with Lead time more than 30 days **OR** No submission	0% = 0
4.	**Technical personnel, knowledgeable about the scope of work.**	• Curriculum vitae • Electrical qualification **Note:** The supplier can submit a CV and Electrical qualification of the person to be used/consulted for technical clarifications on the contract. **Note:** CV must be submitted with Electrical qualification, if only one of the returnable is submitted the score will be 0.	**15%**	
			CV, Electrical qualification and at least 3-years' experience in the Electrical Industry	100% = 5
			CV, Electrical qualification and at least 2-years' experience in the Electrical Industry	80% = 4
			CV, Electrical qualification and at least 1-year experience in the Electrical Industry	40% = 2
			CV, Electrical qualification and less than a year experience in the Electrical Industry	0% = 0
			TOTAL: 100	

3.6 TET Member Responsibilities

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5
None					
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4	X	X	X	X	X

3.7 Foreseen Acceptable / Unacceptable Qualifications

3.7.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	**N/A**

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Technical specification that does not meet the scope of work.

3.7.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Declining to provide technical details accurately deemed intellectual proprietary
2.	In case of an obsolete specification, the supplier may provide proof from the manufacturer about obsolescence and new data sheets for the new specification will be acceptable.

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted.

4. Authorisation

This document has been seen and accepted by:

Name	Designation	Signature
Jappie Morudu	Procurement Manager	
Lebo Pebane	Materials Management Manager	
Pontsho Letsholonyane	Contract Manager	
Portia Lutumbu	Electrical Maintenance Manager	
Kgalake Koma	Officer Procurement	

5. Revisions

Date	Rev.	Compiler	Remarks
July 2024	1	T. Majozi	First Issue

6. Development team

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

Thembelihle Majozi

Conrad Matthee

Maggy Serumola

Mokgadi Seabela

7. Acknowledgements

None.

Appendix A – Sampled spares list

Table 9: Sampled BOM for Technical Evaluations

Material Number	Equipment Short description	Full Description	Unit of Measure
223197	CLAMP GRNDG:WIRE TO ROD;BRS	CLAMP, GROUNDING: STYLE: WIRE TO ROD; MATERIAL: BRASS; MANUF P/N: Q-100; FITS M16 X S/8 UNC FOR 70 MM2 CONDUCTOR	EA
579904	ROD:EARTH MAT;DIA 10 MM;EARTH MATS	ROD: TYPE: EARTH MAT; DIMENSIONS: DIA 10 MM; MATERIAL: BLACK ROLLED COPPER; APPLICATION: EARTH MATS; MANUF P/N: 2210000000TPAN; TO BE SUPPLIED IN ROLLS OF 100M	m
579905	BAR FLAT:WD 50 MM;LG 100 M;THK 3 MM;CU	BAR, FLAT: WIDTH: 50 MM; LENGTH: 100 M; THICKNESS: 3 MM; MATERIAL: CU; PROCESS: ANNEALED; MANUF P/N: 225000X300TPAN	m
579908	BAR FLAT:WD 50 MM;LG 50 M;THK 6 MM;CU	BAR, FLAT: WIDTH: 50 MM; LENGTH: 50 M; THICKNESS: 6 MM; MATERIAL: CU; PROCESS: ANNEALED; MANUF P/N: 225000X600TPAN	m
579911	CABLE:INSULATED EARTH;50 MM2;LG 100 M;CU	CABLE: TYPE: INSULATED EARTH; DIAMETER: 50 MM2; LENGTH: 100 M; MATERIAL: CU; MANUF P/N: MCSP050C01ESGYGC1; COLOR: YELLOW/GREEN	m
579920	CABLE:INSULATED EARTH;35 MM2;LG 100 M;CU	CABLE: TYPE: INSULATED EARTH; DIAMETER: 35 MM2; LENGTH: 100 M; MATERIAL: CU; MANUF P/N: LS0230; COLOR: YELLOW/GREEN	m

579922	CONN LUG:NON INSULATED;25 MM2;10 MM;CU	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 25 MM2; HOLE SIZE: 10 MM; MATERIAL: CU; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMPED; COLOR: GRAY; MANUF P/N: LS0350	EA
579927	CONN LUG:NON INSULATED;120 MM2;12 MM;RNG	CONNECTOR, LUG: TYPE: NON INSULATED; CONDUCTOR: 120 MM2; HOLE SIZE: 12 MM; MATERIAL: CU TIN PLTD ELECTROLYTIC; TERMINATION END: RING; INSULATION: NO; CONDUCTOR CONNECTION: CRIMPED; MANUF P/N: LS0600	EA
579928	FERRULE:PROTECTION;70 MM2;CU	FERRULE: TYPE: PROTECTION; SIZE: 70 MM2; MATERIAL: CU; MANUF P/N: FS0100	EA
579930	COUPLER:EARTH ELECTRODE;M16 X LG 80 MM	COUPLER: TYPE: EARTH ELECTRODE; SIZE: M16 X LG 80 MM; CONNECTION: THD; MATERIAL: BRASS; MANUF P/N: Q-110	EA
581496	CABLE:KWENA CONDUCTOR;70 MM2	CABLE: TYPE: KWENA CONDUCTOR; DIAMETER: 70 MM2; LENGTH: SUPPLY UNIT; MATERIAL: COPPER/STEEL COMPOSIITE; MANUF P/N: SB007096	M
581500	ROD:EARTH ELECTRODE;16 MM X 15 M;STEEL	ROD: TYPE: EARTH ELECTRODE; DIMENSIONS: 16 MM X 15 M; MATERIAL: STEEL; APPLICATION: EXTENSIBLE SPIKES; MANUF P/N: RM16X1.2GRA	EA