Eskom	Strategy	Medupi Power Station

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1. INTRODUCTION

The Heating, Ventilation and Air-Conditioning (HVAC) system is installed throughout the plant in Medupi Power Station. Eskom Medupi Power Station Management has decided to outsource the HVAC maintenance services to a suitably qualified, experienced and well-established contractor to carry-out the erection, commissioning, corrective maintenance, preventive maintenance, take over and hand over of activities related to HVAC system. The technical evaluation criteria herein is thus written for the sourcing of maintenance service for heating-ventilation-air condition (HVAC) at Medupi Power Station. This criterion will be used to evaluate the technical competence of the responding service providers.

2. SUPPORTING CLAUSES

2.1 SCOPE

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

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

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 maintenance service for heating-ventilation-and-air condition (HVAC) at Medupi Power Station 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: Generation Tender Technical Evaluation Procedure

[2] 32-1034: Eskom Procurement Policy

[3] 240-113172477: Medupi Power Station HVAC Maintenance Services Works Information

2.2.2 Informative

[1] 240-106871290: Technical Evaluation Team Member Appointment Letter Template

[2] 240-53716769: Tender Technical Evaluation Strategy Template

[3] 240-53716712: Tender Technical Evaluation Results Form Template

[4] 240-53716726: Tender Technical Evaluation Scoring Form Template

[5] 240-53716746: Tender Technical Evaluation Report Template

2.3 DEFINITIONS

Definition	Description
Enquiry	A competitive or non-competitive request for information, interest, quotations or proposals made to a supplier, a group of suppliers or market at large
Local	Within the borders of the Republic of South Africa
Tender	A tender refers to an open or closed competitive request for quotations/prices against a clearly defined scope/ specification
Employer	Eskom Medupi Power Station

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
OEM	Original Equipment Manufacturer
QCP	Quality control plan
SOW	Scope of Work
TET	Technical Evaluation Team
HVAC	Heating Ventilation and Air Conditioning

2.5. ROLES AND RESPONSIBILITIES

Engineering will be involved in documentation review and updating of the technical specifications and technical evaluation criteria.

Quality Control Department will be involved in the quality control strategy and verification of documents (i.e. material certificates) as well as verification and witnessing of delivered services.

Commercial will be part of the contract placement process and communication with the contractor until contract award.

2.6 PROCESS FOR MONITORING

This procedure shall be monitored by Internal Audit Procedure and Tender Technical Evaluation Procedure.

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNCIAL EVALUATION STRATEGY

3.1.1 Technical Evaluation Threshold

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

3.1.2 Mandatory Evaluation criteria:

Are also known as gatekeeper, are a “must meet” criteria. The services for maintenance service for heating-ventilation-and-air condition (HVAC) at Medupi Power Station will have mandatory technical criteria.

3.1.3 Qualitative Evaluation criteria:

Are weighted evaluation criteria used to identify the highest technically ranked tenderer. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion. This is to establish that the tenderer has the expertise of the maintenance detailed in the works information.

3.2 TET MEMBERS

Table 1: TET Members

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Meet (Yes/No)	Motivation/ Comments for use of Criteria
1.	**Quality Management Systems/Policy**		
1.1	The tenderer shall have a minimum of 2 signed OEM support letters from different OEMs listed (Trane, CIAT, Carrier & Apache)		To be able to evaluate if the contractor / service provider will indeed obtain OEM support for quality work
Note: A response of "NO" to any of the Mandatory Evaluation Criteria would result in a "NO".			

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Scoring table

The threshold for qualitative technical evaluation is 70%. A score of less than 70%, the suppliers will be deemed to be non-compliant and disqualified as a result.

Score	(%)	Definition
5	100	**COMPLIANT** Meet technical requirement(s) AND; No foreseen technical risk(s) in meeting technical requirements.

Score	(%)	Definition
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**
Note 1: The scoring table does not allow for scoring of 1 and 3. **Note 2**: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

Table 4: Qualitative Technical Evaluation Criteria

		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Actual Score
1	**Company history / previous history of supply:**			**15**	

		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Actual Score
	1.1	Supplier must have supplied similar related services. Supplier to submit previous contract or purchase orders with full details of the services supplied and purchase order numbers. The provided document must show that the work involved is in line with the provision of relevant maintenance related to the SOW. • Verifiable contract/s and/ purchase order of relevant works of 5 years AND more = 100% • Verifiable contract/s and/ purchase order of relevant works of minimum 3-5 years = 80% • Verifiable contract/s and/ purchase order of relevant works of minimum 1-3 years= 40% • No submission = 0%	100% = 5 80% = 4 40% = 2 Non responsive = 0		
2	**Method Statement for HVAC system services**			**40**	
	2.1	Signed supplier method statement for HVAC service equipment according to attached works information with associated drawings (240-113172477). Supplier to submit previous or planned method statement for the services on each of the systems listed on a-e below: a) Chilled water cooling system with associated sub systems b) Air cooled cooling system with associated sub systems c) Direct expansion system with associated sub systems d) Split air conditioning system e) Ventilation fan			

		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Actual Score
		• All 5 systems with their equipment listed in the method statement =100% • Only 4 systems with their equipment listed in the method statement =80% • Only 2 systems with their equipment listed in the method statement =40% • No submission =0	100% = 5 80% = 4 40% = 2 Non responsive = 0		
3	**Quality Control Plans**			**20**	
	3.1	Signed supplier quality control plans for HVAC equipment maintenance according to attached works information with associated drawings (240-113172477). Supplier to submit previous or planned quality control plan for the services on the following systems; a) Chilled water-cooling system with associated sub systems b) Air cooled cooling system with associated sub systems c) Direct expansion system with associated sub systems d) Split air conditioning system e) Ventilation fan • All 5 system with their equipment listed in the QCP =100% • Only 4 systems with their equipment listed in the QCP =80% • Only 2 system with their equipment listed in the QCP =40% • No submission =0	100% = 5 80% = 4 40% = 2 Non responsive = 0		
4	**Site compliment qualification**			**20**	

		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Actual Score
	4.1	100% - Complement requirements a) 1 x Site Manager - ECSA professional registration with SAIRAC registration plus 5 years' experience b) 2 x Supervisors - National Diploma, Trade Test Certificate HVAC and 5 years' experience with refrigeration licence. c) 1 x Artisan mechanical N3 plus 3 years' experience d) 2 x Artisan electrical N3 plus 3 years' experience e) 1 x mechatronic/C&I artisan - N3 plus 3 years' experience f) Indication of Network Control Panel/ BMS/CBMS knowledge on one or more of the CVs 80% - Complement requirements a) 1 x Site Manager - ECSA professional registration with SAIRAC registration plus 3 years' experience b) 2 x Supervisors - National Diploma, Trade Test Certificate HVAC and 3 years' experience c) 1 x Artisan mechanical N3 plus 2 years' experience d) 2 x Artisan electrical N3 plus 2 years' experience e) 1 x mechatronic/C&I artisan - N3 plus 2 years' experience f) Indication of Network Control Panel/ BMS/CBMS knowledge on one or more of the CVs 40% - Complement requirements	100% = 5 80% = 4 40% = 2 Non responsive = 0		

		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Actual Score
		a) 1 x Site Manager - ECSA professional registration with SAIRAC registration plus 5 years' experience b) 2 x Supervisors - National Diploma, Trade Test Certificate HVAC and 5 years' experience c) 1 x Artisan mechanical N3 plus 1 years' experience d) 2 x Artisan electrical N3 plus 1 years' experience e) 1 x mechatronic/C&I artisan - N3 plus 1 years' experience f) Indication of Network Control Panel/ BMS/CBMS knowledge on one or more of the CVs 0% - No response			
5	**Tools**			**5**	
	5.1	List with photographs of tools owned by the tenderer and will be used for maintenance and repairs of HVAC system. List includes but not limited to; leak detector, screwdriver set, chemical dosing tools, spanner set, socket set, blower, coil cleaner, porter pack, shifting spanner set, gauges, drill set • List includes 100% tools listed above and more • List includes 80% tools listed above • List has 0% of the tools above • No response	100% = 5 80% = 4 40% = 2 Nonresponsive = 0		

		Qualitative Technical Criteria Description Reference to Technical Specification / Tender Returnable Criteria Sub Weighting (%) Criteria Sub Weighting (%)	Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Actual Score
	Total			**100**	

3.5 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1.Quality Management Systems/Policy	X	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**
1.Method Statement for HVAC system services	X	X	X	X
2.Site compliment qualification	X	X	X	X
3.Quality Control Plans	X	X	X	X
4. Tools	X	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	1. SAIRAC registration in progress with proof 2. Score of qualitative below 70% but above 60% with low scoring on 1

Table 5: Unacceptable Technical Risks

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

3.6.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Declining to provide technical details accurately deemed intellectual proprietary

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted.

4. ACCEPTANCE

This document has been seen and accepted by:

5. DEVELOPMENT TEAM

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

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6. CKNOWLEDGEMENTS

N/A