

	Strategy	Engineering
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1. INTRODUCTION

This technical evaluation strategy describes the mandatory and qualitative evaluation criteria for the design, supply, install and commission of fire protection system for turbine underfloor.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document will only cover the technical tender evaluation criteria for the Design, Supply, Install and Commission Fire Protection System for Turbine Underfloor.

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 only applies to the Design, Supply, Install and Commission Fire Protection System for Turbine underfloor for Hendrina Power Station.

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] 32-1033 Eskom Procurement and Supply Chain Management Policy
- [3] 32-1034 Eskom Procurement and Supply Chain Management Procedure

2.2.2 Informative

- [4] 240-53113685 Design Review Procedure
- [5] 240-53114026 Project Engineering Change Management Procedure

2.3 DEFINITIONS

2.3.1 Classification

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

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2.4 ABBREVIATIONS

Abbreviation	Description
CoC	Certificate of Compliance
DoL	Department of Labour
SANS	South African National Standard
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 32-1034 Eskom Procurement and Supply Chain Management Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

Employer Works Information Design, Supply, Install and Commission Fire Protection System for Turbine Underfloor.

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) is 70%.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	The detail designs in terms of this Contract are to be executed by a qualified professional engineer or technologist for each discipline (Mechanical) who is a member of Engineering Council of South Africa (ECSA).	ECSA professional certificate accompanied by CV of the designer for each of the below disciplines, as proof of compliance to the mandatory requirement Registered Pr Eng (Mech) or Pr Eng Tech (Mech)	South African requirement for all individuals performing engineering work.

3.4 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.	Company experience			30	
	1.1	Mechanical installation work of pipes, motors, pumps and control panel for fire protection system	Demonstrate experience on similar projects. Provide the following information for evaluation purposes: 1. Name of company where project was executed 2. Project description 3. Construction period 4. Contract value 5. Contact person 6. Signed stamped written letter with reference number, a contract or purchase order	5 – 5 or more projects completed with respect to fire protection relevant to the employer works information 4 – 3 projects completed with respect to fire protection relevant to the employer works information 2 – 2 projects completed with respect to fire protection relevant to the employer works information 0 – Less than 2 projects or no projects completed or irrelevant to the employer works information	
2.	Method Statement			40	

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	2.1	Mechanical method statement	Provide a detailed execution strategy for the following (including reference points to equipment, critical personnel and standards). Supply, install and commission turbine bearing and underfloor fire system	5 – Detailed execution strategy including all necessary requirements 4 – Detailed execution strategy but missing reference points 2 – Poorly defined execution strategy but including all systems 0 – Execution strategy irrelevant to the required works and missing atleast 1 system	20
	2.2	Configuration management method statement	Method statement to include the following: - Plant labelling and stencilling project schedule - Description of plant identification using KKS standard - Selection of materials to be used for various plant areas - Labels attachment method	5 – All the requirements specified have been covered in the method statement 4 – Plant labelling schedule, labels attachment and stencilling methods have been covered in the method statement 2 – Plant labelling schedule has been included in the method statement	20
			Stencilling method for pipes and cylinders	0 – Technical method statement has not been included in the submission	
3.	QCP			10	

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	3.1	Provide a QCP/QIP relevant to the scope of work		5 – QCP/QIP according to scope with intervention points such as hold 4 – QCP/QIP including most of the scope 2 – QCP/QIP relevant to scope but no intervention points 0 – No submission	
4	Detailed work program			20	
	4.1	Provide detailed program to illustrating how to execute technical scope of works within the specified project duration.	Level 3 program complying with Project target date indicating all major activities from contract award to Plant handover. Activities is all project work to be done by contractor, or by any sub-contractors been used by the contractor as per Employers Project target date. The program must show hold-points for approval of the works by the Employer's professional team (i.e., key milestones are incorporated into the program).	5 – Comprehensive program is submitted, including all required activities, hold points, and alignment with the project target date. 4 – Program is submitted with most of the required information but contains minor omissions. 2 – A program is submitted but includes only some of the required information and lacks sufficient detail. 0 – No program is submitted	
				TOTAL: 100 Threshold (70)	

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 2
1	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 2
1	X	X	X
2	X	X	X
3	X	X	X
4	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Alternative solutions with the same or better performance

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Exclusion of scope as detailed in the employers requirement

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	No service level agreement with regards to outsourced companies

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation

5. REVISIONS

Date	Rev.	Compiler	Remarks
July 2023	1		Initial document

6. DEVELOPMENT TEAM

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

R Tsotetsi

7. ACKNOWLEDGEMENTS

N/A