Eskom	Strategy	Engineering

Title:	**Duvha Power Station for Tender Technical Evaluation Strategy for Station Boiler Auxiliary Cooling Heat Exchanger Refurbishment**	**Unique Identifier:**	
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TABLES

1. INTRODUCTION

The heat exchangers that are installed in the BAC are plate type heat exchangers, model AM20. Plate heat exchangers consists of a pack of corrugated metal plates with portholes for the passage of the two fluids between which heat transfer will take place.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the technical evaluation criteria for the BAC heat exchanger refurbishment at Duvha Power station.

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. This document will also provide a guideline as to what technical tender returnable are expected and how to technically asses each tender returnable by providing acceptable and unacceptable criteria's.

2.1.2 Applicability

This document is applicable to Duvha 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] ISO 9001 Quality Management Systems.
[2] 240-48929482: Tender Technical Evaluation Procedure
[3] OPD 111334: Boiler Auxiliary Cooling System (UM442)
[4] IM70149-E3 Instruction for ALFA-Flex Plate Heat Exchangers.

2.2.2 Informative

[5] 240-55864833: Chemistry for Auxiliary and Ancillary Cooling Water System Manual.
[6] BC34C- Boiler Auxiliary Cooling system Running Check List Rev 4
[7] BC034P- Boiler Auxiliary Cooling system Running Check List Rev 4
[8] BC034R- Boiler Auxiliary Cooling system Running Check List Rev 5

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
BAC	Boiler Auxiliary Cooling
CW	Cooling Water
CCW	Concentrated Cooling Water
ISO	International Organisation of Standards
SANS	South African National Standards
SHEQ	Safety, Health, Environmental & Quality
SE	System Engineer
TET	Technical Evaluation Team
QCP	Quality Control Plan

2.5 ROLES AND RESPONSIBILITIES

N/A as per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

None.

3. TENDER TECHNCIAL 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%. Should no supplier meet the minimum threshold of 70%, Eskom reserves the right to consider and or negotiate with suppliers that scored between 60% and 69%

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1		
TET 2		
TET 3		

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 contractor to provide verifiable references with contact details, description of work completed, and date executed for ONE (1) references of projects within the last TEN (10) years involving the inspection and maintenance (cleaning, repairing and handling plate type heat exchanger) as specified in section 4.1.	Section 4 of Outage Scope of Work.	
2.	The contractor to submit a method statement including all section of the scope of work stated in section 4.1**Error! Reference source not found.** and all the subsections 4.1.1.	Section 4 of Outage Scope of Work.	

QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

Technical Evaluation Criteria for Heat Exchanger Refurbishment						
No	**Weight**	**Qualitative Technical Criteria Description**	**Evaluation Scoring Breakdown**			
			0	**2**	**4**	**5**
1	20	*Contractor* will submit an organogram of all site Key personnel, including all sub-*Contractor*s for activities as specified in section 4.1.	No organogram , Qualifications and capabilities of any sub-*Contractor*s including CV's	Company Organogram submitted without key personnel Qualifications and capabilities of any sub-*Contractor*s including the CV's	Company Organogram submitted with key personnel Qualifications or CV's but failure to submit Qualification or CV's	Company Organogram submitted with key personnel Qualifications and capabilities of any sub-*Contractor*s including the CV's
2	60	Exclusions or non-acceptance of sow of work requirements (Section4.1.1)	Exclusion statement provided	Unacceptable exclusions	Acceptable exclusions with no technical risk on project	No exclusion statement provided are not going to deviate from the scope of work
4	20	Supply typical QCP as per section 4.1 with the required deliverables	None Provided	Not includes all Key activities in section 4.1.1 - leading to unacceptable risks	Comprehensive QCP with some commissions but acceptable	The QCP includes all activities in section 4.1.1

NB: A minimum total of 70% is required in this section for further consideration. Should not supplier meet the minimum threshold of 70%, Eskom reserves the right to consider and or negotiate with suppliers that scored between 60% and 69%.

TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
3.3, 1)	X	X	X
3.3, 2)	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**
3.4, 1.1)	X	X	X
3.4, 2.1)	X	X	X
3.4, 3.1)	X	X	X

3.4 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.4.1 Exceptions / Conditions

Table 5: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	**Section 10 of the Outage scope of work**

Table 6: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	**Section 10 of the Outage scope of work**

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature

5. REVISIONS

Date	Rev.	Compiler	Remarks

6. DEVELOPMENT TEAM

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

7. ACKNOWLEDGEMENTS

None