Eskom	Strategy	Engineering

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TABLES

1. INTRODUCTION

The employer's objective is for the contractor to carry out inspections and repairs on defective components in the Boiler air and flue gas ducting while the service provider's responsibility is to carry out the required activities as per the Outage Scope of Work. These include the ducting, dampers, and expansion bellows of the following plants:

- FD, ID, PA fans ducting, dampers, and expansion bellows.
- Economiser outlet ducting, dampers, and expansion bellows.
- FFP inlet ducting, dampers, and expansion bellows.
- FFP outlet ducting, dampers, and expansion bellows.
- Common duct ducting, dampers, and expansion bellows
- Ducting hangers, and O_2 matrices.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the scope of work for Hendrina Power station, for inspection repair and refurbishment of the ducting and dampers in the Boiler air and flue gas ducts.

2.1.1 Purpose

The purpose of this document is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria, and the TET members' responsibilities for the 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 Hendrina Power Station's Flue Gas and Air supply ducting and dampers, ducting hangers and O_2 matrices.

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] 240-168966153: Generation Tender Technical Evaluation Procedure

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

[4] 32-1033: Eskom Procurement and Supply Chain Management Policy

2.2.2 Informative

None

2.3 DEFINITIONS

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

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
IWE	International Welding Engineer
IWT	International Welding Technologist
QCP	Quality Control plan
SOW	Scope of Work
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

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

240 – 168966153: Generation Tender Technical Evaluation Procedure.

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

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%.

3.2 TABLE 1: TET MEMBERS

3.3 MANDATORY 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	ISO 3834 Certification	Provide certified copy of ISO 3834-4 certification of not older than 3 months from the date of closure of the tender. Certified copies older than 3 months will not be considered.	Company must have a valid ISO 384-4 certification.
2	BS EN ISO 15614-1 Welding Procedure	Provide certified copies of applicable (Steel) welding procedure approved by a registered IWE or IWT that is not older than 3 months from the date of closure of the tender. Certified copies older than 3 months will not be considered.	Steel welding procedure must be approved by a registered IWE or IWT.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3. Qualitative Technical Evaluation Criteria

KPI	Criteria Requirement	Criteria Source	Percentage (%)	Score
Traceable Industry experience	At least 3 years+ experience in power plant industry or any related industry with at least 4 projects completed which are related to the ducting and dampers repairs (Welding and fabrication industry) with a contactable reference for each project and signed off completion certificate.	Company to provide company profile showing when the company was established and registered, previous work, and proof of signed off completion certificates with contactable references for each project.	35	0 – No industry experience 2 – Up to 2 years industrial experience and 2 completed projects. 4 – up to 3 years industrial experience with 3 completed projects 5 – 3 years or more industrial experience with 4 or more completed projects.

Method Statement	Detailed method statement must include but not limited to site establishment activities, upfront engineering work, cutting, assembly, and re-welding of the ducting, preparation to handover, quality control and site clearance activities.	Provide method statement of the work to be done.	20	0 – No submitted or not related to the scope of work 2– Method statement is basic, vague, or does not cover most of the scope of work. 4– Method statement is clear, has minimal errors, and covers majority of the scope of work. 5– Method statement is clearly defined, detailed, comprehensive, and covers the full scope of work.
Site Manager/ Supervisor	Minimum Qualifications Mechanical Diploma or mechanical trade test and project management experience of at least 5 years of industry related business (Welding and fabrication industry)	Provide certified copies of qualifications of not older than 3 months from the date of closure of the tender and CV with contactable references. Certified copies older than 3 months will not be considered.	15	0 – No attached or incomplete CV 2– Attached CV and certified qualifications with experience of less than three (3) years. 4– Attached CV and certified qualifications with experience of less than five (5) years. 5 - Attached CV and certified qualifications with experience of more than five (5+) years.

4 x Welders	Qualified Class B Welders (at least ISO 9606-1 (steel) certification) and at least two (2) years' experience as a welder.	Provide certified copies of welder qualifications (at least ISO 9606 – 1 (steel) certification) of not older than 3 months from the date of closure of the tender, and CV with contactable references. Certified copies older than 3 months will not be considered.	20	0 – No CV's and qualifications for the welders attached. 2 – Only two welders meet the requirements with complete CV's and certified certificates submitted. 4 – Only three welders meet the requirements with complete CV's and certified certificates submitted. 5 – All four welders meet the requirements with complete CV's and certified certificates submitted.
Planner	Either Microsoft Projects / Primavera qualification and at least 2 years' experience in planning and updating schedules	Provide certified certificate of relevant qualification and CV with contactable reference	10	0 – No copies attached 2– Attached CV and Qualifications with experience no experience in prescribed planning software. 4– Attached CV and Qualifications with experience of less than three (3) years 5 – Attached CV and Qualifications with experience of more than three (3+) years
Threshold			**70%**	
Total Score				
Technically acceptable (Yes/No)				

3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1. ISO 3834 Certification	X	X
2. BS EN ISO 1561-1 Welding Procedure	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**
1. Traceable Industry Experience	X	X
2. Method Statement	X	X
3. Site Manager / Supervisor	X	X
4. 4 x Welders	X	X
5. Planner	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	None

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Supplier without relevant qualifications.
2.	Supplier without adequate experience.

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	None