



Strategy

Engineering

Title: **Tender Technical Evaluation Strategy – Refurbishment of Reheat safety, HP Bypass valves and the associated HP Bypass spray water valves at Kriel Power Station.**

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Compiled by

MJ Dlamini
Boiler System Engineer

Date: **2025/06/05**

Functional Responsibility

p:p:

Harry Mokabane
Kriel Boiler Plant Engineering Manager

Date: **13/06/2025**

Authorised by

Rofhiwa Nelwamondo
Kriel Engineering Manager

Date: **2025/06/18**

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1. INTRODUCTION

Refurbishment and Commissioning scope of work for the HP Bypass and Reheat Safety Valves Power Pack Hydraulic Unit is to be issued out on an open tender. The technical evaluation is in accordance with 32-1033: Eskom Procurement and Supply Chain Management Policy, 32-1034 Eskom Procurement and Supply Chain Management Procedure during the tender process, 240-168966153 Generation Tender Technical Evaluation Procedure, 559-253427193 Refurbishment of Reheat safety, HP Bypass valves and the associated HP Bypass spray water valves at Kriel Power Station scope of work.

The evaluation of the tender is based on the tenderer's ability to meet both mandatory (gatekeepers) and qualitative (weighted) evaluation criteria requirements.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document defines the technical criteria to be used to evaluate tender documents supplied by contractors to execute work defined on the scope of work 559-253427193 Refurbishment of Reheat safety, HP Bypass valves and the associated HP Bypass spray water valves at Kriel Power Station scope of work. The acceptable and unacceptable technical risks are identified and where exceptions will be allowed it is stated.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria, TET member responsibilities for tender technical evaluation and Acceptable/Unacceptable Qualifications. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document is applicable to 559-253427193 Refurbishment of Reheat safety, HP Bypass valves and the associated HP Bypass spray water valves at Kriel Power Station scope of work.

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] 240-168966153: Generation Tender Technical Evaluation Procedure
- [2] 32-1033: Eskom Procurement and Supply Chain Management Policy
- [3] 32-1034: Eskom Procurement and Supply Management Procedure during the tender process

2.2.2 Informative

- [4] ISO 9001: Quality Management Systems
- [5] 240:105658000: Supplier Quality Management Specification

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
TET	Technical Evaluation Team
CQP	Contract Quality Plan
EN	Europäische Norm ("European Norm"), European Standards
HP	High Pressure
QCP	Quality Control Plan
UCLF	Unplanned Capability Loss Factor
OEM	Original Equipment Manufacturer
SOW	Scope of work

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

As per 240-168966153: Generation Tender Technical Evaluation Procedure

2.7 RELATED/SUPPORTING DOCUMENTS

240-105658000 Supplier Quality Management Specification

559-253427193 Refurbishment of Reheat safety, HP Bypass valves and the associated HP Bypass spray water valves at Kriel Power Station scope of work.

240-168966153 Generation Tender Technical Evaluation Procedure

3. TENDER TECHNICAL 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 70%.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Mthobisi Dlamini	System Engineer
TET 2	Lloyd Sindane	System Engineer
TET 3	Tsepo Bhembe	System Engineer

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

	Technical evaluation for capability assessment of service providers for the refurbishment of HP Bypass and Reheat Safety Valves in Eskom Kriel power station, Score card		
Section A - MANDATORY REQUIREMENTS	OBJECTIVE EVIDENCE TO BE PRODUCED	Criterion achieved Yes/No	COMMENT / REMARK
Reference list of employers recently where specific or relevant scope was carried out.	The service provider provides demonstrable evidence that the company has been in the valve maintenance, repair and refurbishment business for a period of not less than 3 years.		Applicable to all service providers

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria for Part 1

Section B - QUALITATIVE CRITERIA								
KPI - Criteria Evaluation Indicator	Weight (%)	Minimum Criteria Evaluation Requirements	Unit	0 Non-Responsive 0% 2 Non-Compliant 2.86% 4 Compliant with associated qualifications 5.714% 5 Compliant 7.143%				TOTAL RATING
3.3.2.1 Company leadership and accountability	7.143	The service provider to provide an organogram clearly defining the roles and responsibilities in the management hierarchy 0 – If there is no organogram submitted 2 – If organogram is submitted but qualifications not submitted. 4 – If organogram is submitted and some qualifications are outstanding. 5 - If the organogram is submitted with all the relevant qualifications.	Number	0	2	4	5	
3.3.2.2 Personnel qualifications	7.143	The service provider provides demonstrable evidence of the available human resources (Core team) including qualifications and levels of experience. 0 - Nothing is submitted 2 – No evidence is submitted 4 – Partial evidence is provided with associated qualifications. 5 - All evidence and qualifications are provided.	Number	0	2	4	5	

3.3.2.3 Basic engineering capability, repair and refurbishment control	7.143	The service provider demonstrates capability to overhaul valves and key activities and required tests (e.g. previous work, QCP's). • 0 - No evidence is provided • 2 – No previous work but QCP, s is provided • 4 – More than 5 previous jobs done and detailed QCP's. • 5 - All documents are submitted	Number	0	2	4	5	
3.3.2.4 Equipment and tooling	7.143	The service provider demonstrate compliance to the minimum required equipment and tooling. • 0 – No Tools • 2 – Only sheet with tool list • 4 – Some equipment is shown (e.g. Lapping tool, slings etc.) • 5 – All necessary equipment and tooling is provided	Number	0	2	4	5	
3.3.2.5 Purchasing controls of soft goods and spare parts	7.143	The service provider demonstrates his purchasing controls by providing a copy of the documentation for soft spares. • 0 – No response • 5 – Documents supplied	Number	0	2	4	5	
3.3.2.6 Receiving inspection controls	7.143	The service provider demonstrates his receiving inspection controls by using the arrival of a spare component from the Client/Employer as an example. • 0 – No response • 2 – Only previous records are supplied • 4 – only Procedure is supplied • 5 – Both procedure and previous work records are supplied	Number	0	2	4	5	
3.3.2.7 Handling, storage, preservation of material and components	7.143	The service provider provides a procedure for storing soft goods and allows access to the various storage areas.	Number	0	2	4	5	

		• 0 – No procedure. • 5 – Signed Procedure						
3.3.2.8 Control of inspection, measuring and test equipment	7.143	The service provider provides demonstrable proof for the control of inspections, measurements and test equipment. • 0 – No proof provided. • 2 – Only procedure provided. • 4 – Previous work measurements and procedure provided. • 5 – Procedure, previous work measurements and test equipment list provided.	Number	0	2	4	5	
3.3.2.9 Inspection and testing during repair and refurbishment	7.143	The service provider provides copies of inspection, test and measurements records • 0 - No documents provided. • 2 – Only one of the three reports provided. • 4 – Two of the three reports provided. • 5 – All three reports are provided.	Number	0	2	4	5	
3.3.2.10 Identification and traceability	7.143	The service provider demonstrates a system that provides a unique identification of individual soft spares, re-usable valve components and new spares. • 0 – No proof provided. • 2 – Only tags provided. • 4 – Only procedure provided. • 5 – Both procedure and tags are demonstrated.	Number	0	2	4	5	
3.3.2.11 Artisan tool kits	7.143	The service provider shall demonstrate that artisan toolboxes are sufficiently equipped for his scope of capability • 0 - No toolbox • 2 – 30% of the tools required for the task • 4 - 70% of the tools required for the task	Number	0	2	4	5	

		• 5 – 100% of the tools required for the task						
3.3.2.12 Basic Valve Training	7.143	The service provider provides demonstrable proof of valve basic training interventions. • 0 – No training at all • 2 – provide training proof older than 10 years • 4 – Provide training no older than 5 years • 5 – Provide training no older than 3 years	Number	0	2	4	5	
3.3.2.13 Advanced OEM training	7.143	The service provider provides demonstrable proof of advanced OEM valve training. • 0 – No proof • 2 – Provide Non-OEM training • 4 – Only less than 50% employees trained • 5 – All relevant staff trained	Number	0	2	4	5	
3.3.2.14 Special processes such as welding	7.143	The service provider provides demonstrable evidence of his ISO 3834-2 certification and a sample datebook for work carried out in the last 3 years. In cases where special processes are outsourced, the service provider provides demonstrable evidence of his outsourcing controls and a copy of the special process service providers' data book. • 0 – No proof • 2 – 1-year proof • 4 – 2 years' proof • 5 – 3 or more years proof	Number	0	2	4	5	

3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	None

Table 5: Unacceptable Technical Risks

Risk	Description
1.	Unavailable proof of Artisan qualification

3.6 EXCEPTIONS / CONDITIONS

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Service has no ISO 14001:2015 Certification

3.7 AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Rofhiwa Nelwamondo	Engineering Manager
Thapelo Masokoane	Boiler Engineering Manager

4. REVISIONS

Date	Rev.	Compiler	Remarks
June 2025	0.1	MJ Dlamini	Draft document for tender technical evaluation criteria and document registration
June 2025	0.2	MJ Dlamini	Reviewed by TET members
June 2025	1	MJ Dlamini	Final accepted document

5. DEVELOPMENT TEAM

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

Lloyd Sindane

Tsepo Mbembe

6. ACKNOWLEDGEMENTS

Sinki Seloane- SME Boiler Valves

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