

	Strategy	Kusile Power Station
---	-----------------	-----------------------------

Title: Kusile Power Station Boiler Hydraulic Systems C&I Maintenance and Refurbishment Contract Technical Evaluation Strategy

Unique Identifier: KUS-20260753

Alternative Reference Number: N/A

Area of Applicability: Technical

Documentation Type: Strategy

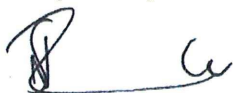
Revision: 1

Total Pages: 12

Next Review Date: July 2031

Disclosure Classification: CONTROLLED DISCLOSURE

Compiled by



**Simiso Tembe
C&I
Senior Technician**

Date: 27/07/2026

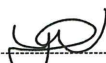
Supported by



**Vusi Skosana
Engineer Prof
Engineering**

Date: 28/07/2026

**Functional
Responsibility**



**Stanley Mathye
C&I Maintenance
Manager**

Date: 28/07/2026

Authorized by



**Abel Vuma
Maintenance
Manager**

Date: 2026-07-29

CONTENTS	PAGE
1. INTRODUCTION	3
2. SUPPORTING CLAUSES.....	3
2.1SCOPE	3
2.1.1 Purpose.....	3
2.1.2 Applicability	3
2.2NORMATIVE/INFORMATIVE REFERENCES.....	3
2.2.1 Normative.....	3
2.2.2 Informative	4
2.3DEFINITIONS.....	4
2.3.1 Classification	4
2.4ABBREVIATIONS.....	4
2.5ROLES AND RESPONSIBILITIES.....	4
2.6PROCESS FOR MONITORING.....	5
2.7RELATED/SUPPORTING DOCUMENTS.....	5
3 TENDER TECHNICAL EVALUATION STRATEGY.....	5
3.1TECHNICAL EVALUATION THRESHOLD	6
3.2TET MEMBERS.....	6
3.3QUALITATIVE TECHNICAL EVALUATION CRITERIA.....	6
3.4TET MEMBER RESPONSIBILITIES.....	11
3.5FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS	11
3.5.1 Risks	11
3.5.2 Exceptions / Conditions	11
4 AUTHORISATION.....	12
5. REVISIONS	12
6. DEVELOPMENT TEAM	12
7. ACKNOWLEDGEMENTS	12

TABLES

Table 1: TET Members	6
Table 2: Mandatory Technical Evaluation Criteria.....	6
Table 3: Qualitative Technical Evaluation Criteria.....	7
Table 4: TET Member Responsibilities.....	11
Table 5: Acceptable Technical Risks.....	11
Table 6: Unacceptable Technical Risks	11
Table 7: Acceptable Technical Exceptions / Conditions.....	11
Table 8: Unacceptable Technical Exceptions / Conditions	11

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

1. Introduction

Kusile Power Station management intends to establish a partnership with a suitably qualified; experienced and well-established service provider for Hydraulics Skid refurbishment and Maintenance service Including the calibration of Monostats and provision of calibration certificates and system reports on all operating units on **“As and when required “for the period of 60 months.** This document sets out the method and criteria that will be used to evaluate the tenders that will result from this pre-qualification invite.

2. Supporting Clauses

2.1 Scope

This strategy defines the technical tender evaluation strategy for the Kusile Power Station C&I Maintenance Auxiliary Steam Reducing Station Safety Device Pressure Switches (LBG) Boiler Hot Reheat Piping from Reheater 2 Header 3 And Header 4 Pressure Switches (LBB), Pressure Safety Device Superheater 3 Outlet (LBA). The scope of the project is as described in the Kusile Power Station Works information.

2.1.1 Purpose

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

2.1.2 Applicability

This strategy document applies to the C&I maintenance at Kusile 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] GGR 0992: Plant Safety Regulations
- [2] 240-56227443: Requirements for Control and Power cable for Power Stations Standard
- [3] 240-56355754: Field Equipment Installation Standard
- [4] 240-56355815: Control & Instrumentation Field Enclosures and Cable Termination Standard
- [5] 240-132042241: Power Plant Controls & Instrumentation; Control Systems; Distributed Control Systems (DCS); Part 1: General Standard
- [6] KUS-20250341 - Kusile Power Station Boiler Steam Hydraulic Systems Maintenance Strategy
- [7] B114115_01_06_ID38_00001_AA System Description HP Bypass Hydraulic System
- [8] B114115_01_99_IB13_00017_AC Process Description HP-Bypass and RH Safety Valves
- [9] B114103-01-06-GM03-00007-AE - Operational Technical Documentation Hydraulic Station for RH Safety Valve

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

- [10] B114116-01-06-IB01-00001-AK – HP Bypass System/ RH Safety Valves
- [11] B114116-01-06-IB01-00002-AF – Hydraulic Schema HP Steam Bypass System
- [12] B114103-01-06-YI01-00008 – LBY Layout of HP Steam Bypass System
- [13] B114103-01-06-ID38-00001 – System Description Electrical, Control & Instrumentation for Hydraulic Unit
- [14] B114114-01-06-YI01-00007 – Steam Pressure Check Devices
- [15] B114114-01-06-YI01-00009 – Steam Pressure Check Devices
- [16] B114114-01-06-GM03-00005 - Operational Technical Documentation Steam Pressure Check Device for RH Safety Valve

2.2.2 Informative

- [1] KUS-20260137 Kusile Power Station Boiler Hydraulic Systems C&I Maintenance and Refurbishment Service Scope of Work
- [2] ISO 9001: Quality Management Systems
- [3] ISO 14001: Environmental management System
- [4] Act No 102 of 1980: National Key Points Act, 1980
- [5] Act No 85 of 1993: Occupational Health and Safety Act & Regulations, 1993.
- [6] Kus-20230331- Kusile Power Station Quality Control- Work Instruction.

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
CV	Curriculum Vitae
SOW	Scope Of Work
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team

2.5 Roles and Responsibilities

Compiler	The document compiler is responsible for ensuring that this document is up-to-date and that this document is not a duplication of an existing documentation, regarding the document's objectives and content.
Functional Responsibility (C&I Engineering Manager)	The Functional Responsible Person shall determine if the document is fit for purpose, before the document is submitted for authorisation.
Authoriser (Engineering Group Manager)	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorise the release and application of the document.

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

Lead Discipline Engineers	Provides input to the technical tender evaluation strategy and associated engineering activities.
---------------------------	---

2.6 Process for Monitoring

Refer to the Works information

2.7 Related/Supporting Documents

Please refer to Section 2.2.

3 Tender Technical Evaluation Strategy

In order to be eligible for evaluation, the tenderer shall meet all the mandatory requirements.

The evaluation of tenders will be based on the tenderer's ability to meet the requirements specified in the Kusile Power Station Kusile Power Station Boiler Hydraulic Systems C&I Maintenance and Refurbishment Service Scope of Work. A weighted score card approach will be used to evaluate the technical compliance of the tenders against the Employer's requirements. Tenderers need to have a weighted score of 70% overall or more to technically qualify for further evaluation.

The scoring method will be as follows:

SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT - Meet technical requirement(s) AND; - No foreseen technical risk(s) in meeting technical requirements.
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

The evaluation scores will be weighted as follows according to disciplines:

Technical (100%)	
General works	100%
TOTAL (100%)	
Overall minimum threshold for qualification (70%)	

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

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: Section to be Evaluated	TET Member Name	Designation
TET 1: C&I Maintenance	Gugulethu Vilakazi	C&I Snr Technical Supervisor
TET 2: C&I Maintenance	Vusi Sikhosana	C&I Engineer
TET 3: C&I Maintenance	Simiso Tembe	C&I Maintenance Snr Technician
TET 4: C&I Maintenance	Temosho Dibakoane	C&I Maintenance Technician

3.3 Qualitative Technical Evaluation Criteria

Notes to tenderer:

- [1] An undertaking is required that resources identified would not be changed on award of the Contract.
- [2] The CV's of Key Personnel should have experience which is comparable in nature to the Works specified in this tender.
- [3] It is a requirement that the key personnel, in particular, have excellent communication skills in the English language.
- [4] Where no information is offered by the Tenderer no points shall be scored.

Table 2: Mandatory Technical Evaluation Criteria

Original Equipment Manufacturer (OEM) service level agreements The Tenderer submits confirmation letter showing they have rights to perform field instrument repairs and service for high pressure steam hydraulic control instruments. NB, the letter to indicate the following: • accredited services authorised to offer in these systems • support service availability agreement from an applicable OEM of HP bypass & reheat safety valves and indicating lead times to support tenderer onsite • indicating company structure/organogram of internal experience in HP bypass & reheat safety valves	Submitted	Not Submitted

CONTROLLED DISCLOSURE

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)
1.	GENERAL WORKS		100%
1.1.	Comprehension of Scope		
1.1.1	Provide a C&I Maintenance method statement & quality assurance documentation for the scope of works for C&I maintenance works and servicing of field instruments associated with HP bypass and reheat safety valves from the LBA and LBB pressure switches. <i>The method statement/s shall detail how the tenderer proposes to execute the works assuring the maintenance of quality in the works.</i> Minimum High-Level requirements: - o Resources Responsibilities - o Scope activities prioritisation - o Major instruments servicing procedure - o DCS Alarms and ranges towards each switch - o Hazards and risks to take note while working on the system - o Test certification signatories ⇒ Proposal details fully how scope will be met and provides comprehensive methodology of approach catering for multi-discipline within the HP bypass and reheat safety valves control systems = (5) ⇒ Method statement provides sole discipline approach towards HP bypass and reheat safety valves maintenance= (4) ⇒ Method statement indicates limitations to the system maintenance intervention = (2)	Method statement and Quality Control Plan	30%

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)
		⇒ No submission made/method statement not suitable for C&I maintenance works procedure = (0)		
1.2	Relevant Experience			
	1.2.1	Relevant experience/ (track record): (NB: preferably in a coal fired power station) The tenderer submits a list of traceable references/completion certificates that adequately prove that the tenderer has completed similar contracts successfully in the last five (5) years covering the scope below: - Completed installation or maintenance contracts in either Kusile or Medupi power station in the HP bypass & reheat safety valves = (5) - Completed maintenance contracts in a coal-fired power station in the HP bypass & reheat safety valves = (4) - Completed contracts in the heavy-duty hydraulic valves &/or system safety valves = (2) - No previous experience submitted and CFT couldn't verify validity of experience = (0)	List of previously completed projects of similar scope with traceable references including completion certificates. Evidence will be verified for validity using any available methods within Eskom (SAP, Reference calls, etc).	25%
1.3	Project Execution Resources			

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)
1.3.1	Provide comprehensive details of the resources to be utilised in this project: Qualified and experienced individuals available to execute the scope. A detailed CV for each resource shall serve as evidence for evaluation. Incomplete CV and incomplete number of resources equal to zero (0). 1. Well detailed CV with: 1x Project Supervisor, Qualified, experience in coal-fired power station holding a National Diploma in (Process Control & Instrumentation OR Mechanical Engineering with 10+ years work experience). Plus a valid Code 08 Or Code 10 drivers Licence. 2. 2x Engineering Technicians, Qualified, experience in coal-fired power station holding a National Diploma or N Diploma with Trade Tested (Control & Instrumentation OR Mechanical Engineering with 7+ years work experience and conversant with HP bypass & reheat safety valves. Plus a valid Code 08 Or Code 10 drivers Licence 3. 2x Engineering Technicians Assistants, Qualified, experience in coal-fired power station holding a N4 and Trade Tested (Control & Instrumentation OR Mechanical Engineering with 3+ years engineering work experience. Plus, a valid Code 08 or Code 10 drivers Licence 4. No CV submitted and/or submitted CV lacks experience in these systems = (0) NB: Qualifications may be sent to SAQA for verification. A qualification higher than the requested range will be evaluated in the scale of the requested range. (Degree = Diploma) Submission of CVs should be accompanied by an organogram. A submission without allocation to specific positions will be deemed as no submission (eg: CV1 = Supervisor, CV2 = Technician, etc). Insufficient CVs submitted shall be deemed as no submission.	Detailed CV's Of Key Resources Requirement: CV to indicate relevant duties previously performed towards this scope of work.	25%

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)
1.3.2	To ensure devices used by the service provider provides accurate results when performing onsite service and performing maintenance duties. Calibration equipment and measurement standards must be traceable to national or international standards. • Provided calibration certificates catering for multi-disciplinary requirement of system Testing equipment: = 5 • Provided calibration certificates only for control signals control loops = 4 • Provided a sample of calibration certificates for these systems testing equipment = 2 • No calibration certificate or submitted expired certificate: = 0	Provide calibration certificates	20%
TOTAL			100%

3.4 Tet Member Responsibilities

Table 4: TET Member Responsibilities

Qualitative Criteria Number	TET Members T1-T4
1.1	X
1.2	X
1.3	X
1.4	X

3.5 Foreseen Acceptable / Unacceptable Qualifications

3.5.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Tenderer does not have Installation of instrumentation & field signal cables on rotary machinery

Table 6: Unacceptable Technical Risks

Risk	Description
1.	Tenderer does not have Qualified and experienced resources available to execute the scope

3.5.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	No relevant qualifications or working experience on the subject matter

CONTROLLED DISCLOSURE

4 Authorisation

This document has been seen and accepted by:

Name & Surname	Designation
Simiso Tembe	Senior Technician
Vusi Skosana	C&I Engineer
Stanley Mathye	C&I Maintenance Manager
Abel Vuma	Maintenance Manager

5. Revisions

Date	Rev.	Compiler	Remarks
July 2026	1	Simiso Tembe	First issue

6. Development Team

- [1] Selby Mahumani
- [2] George Mthimkhulu
- [3] Mokwena Mokhabela
- [4] Vusi Skosana
- [5] Msizi Mhlongo
- [6] Cebi Mndawe
- [7] Marakeng Madigoe
- [8] Mvuselelo Shobede
- [9] Thabang Tholo
- [10] Gugulethu Vilakazi
- [11] Simiso Tembe
- [12] Temosho Dibakoane

7. Acknowledgements

N/A

CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.