

Title: **Tender Technical Evaluation
Strategy for Kriel Power Station
– Outage Scope of Work for the
Fire Protection System including
the Post Outage Ad-Hoc Support**

Unique Identifier: **555-EAP2380**

Alternative Reference Number: **N/A**

Area of Applicability: **Engineering**

Documentation Type: **Strategy**

Revision: **1.0**

Total Pages: **14**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED
DISCLOSURE**


Compiled by



Thabang Sehlare
Senior Engineer
Auxiliary Engineering

Date: **2024/08/06**

Functional Responsibility



Neo Muthavhine
Auxiliary Manager
Auxiliary Engineering

Date: **2024/08/07**

Authorised by



Rofhiwa Nelwamondo
Engineering Manager
Engineering

Date: **2024/08/07**

CONTENTS

	Page
1. INTRODUCTION	2
1.1 SCOPE	2
1.1.1 Purpose	2
1.1.2 Applicability	2
1.2 NORMATIVE/INFORMATIVE REFERENCES	2
1.2.1 Normative	2
1.2.2 Informative	2
1.3 DEFINITIONS	2
1.3.1 Classification	2
1.4 ABBREVIATIONS	3
1.5 ROLES AND RESPONSIBILITIES	3
1.6 PROCESS FOR MONITORING	3
1.7 RELATED/SUPPORTING DOCUMENTS	3
2. TENDER TECHNICAL EVALUATION STRATEGY	4
2.1 TECHNICAL EVALUATION METHOD ^{[1][2][3][4]}	4
2.2 TECHNICAL EVALUATION THRESHOLD	5
2.3 TET MEMBERS	5
2.4 MANDATORY TECHNICAL EVALUATION CRITERIA	6
2.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA	7
2.6 TET MEMBER RESPONSIBILITIES	11
2.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS	12
2.7.1 Risks	12
2.7.2 Exceptions / Conditions	12
3. AUTHORISATION	13
4. REVISIONS	13
5. DEVELOPMENT TEAM	13
6. ACKNOWLEDGEMENTS	13

TABLES

Table 1: TET Members	5
Table 2: Qualitative Technical Evaluation Criteria	7
Table 3: TET Member Responsibilities	11
Table 4: Acceptable Technical Risks	12
Table 5: Unacceptable Technical Risks	12
Table 6: Acceptable Technical Exceptions / Conditions	12
Table 7: Unacceptable Technical Exceptions / Conditions	12

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

This document outlines the Tender Technical Evaluation Strategy for the **Kriel Power Station – Outage Scope of Work for the Fire Protection System including the Post Outage Ad-Hoc Support** for a period of five (5) years. To support Outages in the execution of outage works and post outage support for the fire protection systems.

1.1 SCOPE

The scope of this document is to outline the Technical Tender Evaluation Strategy (TTES) for the **Kriel Power Station – Outage Scope of Work for the Fire Protection System including the Post Outage Ad-Hoc Support**.

1.1.1 Purpose

The purpose of this TTES is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria, and to define the TET member responsibilities for tender technical evaluations. The TTES serves as the basis for the tender technical evaluation process.^{[1][2]}

1.1.2 Applicability

This document applies to the TET of Kriel Power Station for affected stakeholders, and supply chain enquiries.

1.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

1.2.1 Normative

- [1] 240-48929482: Tender Technical Evaluation Procedure.
- [2] 240-53716726: Tender Technical Evaluation Scoring Form Template.

1.2.2 Informative

- [3] 240-53716746: Tender Technical Evaluation Report
- [4] 240-44682850: Process Control Manual (PCM) for Provide Engineering during Project Sourcing.

1.3 DEFINITIONS

1.3.1 Classification

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

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.

1.4 ABBREVIATIONS

Abbreviation	Description
EDWL	Engineering Design Work Lead
ISO	International Standard Organisation
LDE	Lead Discipline Engineer
OEM	Original Equipment Manufacturer
PCM	Process Control Manual
PEIC	Production Engineering Integration Coal
PM	Project Manager
QCP	Quality Control Plan
SHEQ	Safety, Health, Environment and Quality
TET	Technical Evaluation Team
TTES	Technical Tender Evaluation Strategy

1.5 ROLES AND RESPONSIBILITIES

Below are the key roles and responsibilities as prescribed in the Tender Technical Evaluation Procedure:^{[1][2]}

- **Engineering Manager:** All Engineering Managers throughout Eskom shall ensure that all staff, in their respective areas understand and adhere to this procedure.
- **Engineering Design Work Lead (EDWL):** The EDWL is responsible to manage the execution and adhere to this procedure. Typically, on New Build the EDWL role is fulfilled by the lead Discipline Engineer (LDE) and on existing asset projects the EDWL role is fulfilled by the relevant System Engineer.
- **Project Manager (PM):** The PM is responsible for the coordination of the project, ensuring all the commercial and governance process are met.
- **Technical Evaluation Team (TET):** The delegated engineers/technical specialists who are responsible to review and evaluate technical aspects of the tender documentation as per the Tender Technical Evaluation Strategy.

1.6 PROCESS FOR MONITORING

Not Applicable.

1.7 RELATED/SUPPORTING DOCUMENTS

Not Applicable.

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.

2. TENDER TECHNICAL EVALUATION STRATEGY

2.1 TECHNICAL EVALUATION METHOD^{[1][2][3][4]}

A weighted score-card approach is used to evaluate the technical compliance of the tenders against the requirements. Tenderers need to have a weighted score of 80% overall or above to technically qualify for further evaluation.

The technical criteria and weighting is broken down as follows:

a) Technical: 100%

The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements. A weighted score card approach will be used to evaluate the tender submission against the specifications and Employer's requirements.

The scoring method will be as follows:

SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none">• Meet technical requirement(s) AND;• No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS & PROFESSIONAL BODIES <ul style="list-style-type: none">• Meet technical requirement(s) with;• Acceptable technical risk(s) AND/OR;• Acceptable exceptions AND/OR;• Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none">• 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
Note 1: The scoring table does not allow for scoring of 1 and 3.		
Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

CONTROLLED DISCLOSURE

The evaluation scores will be weighted as follows:

Technical (100%)		
1	Proven track record and experience of providing support to similar contracts	100%
		100%
Project Management (N/A)		
TOTAL (100%)		
Overall minimum threshold for qualification (70%)		

2.2 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

2.3 TET MEMBERS

Table 1: TET Members

TET number: Section to be evaluated	TET Member Name	Designation
TET 1	Jeffrey Ngwenya	Senior Artisan, Mechanical Maintenance Department
TET 2	Thabang Sehlare	Senior Engineer, Auxiliary Engineering
TET 3	Derrick Mahlalela	Senior Artisan, Mechanical Maintenance Department
TET 4	Mapula Sethosa	Senior Advisor BOP, Maintenance Technical Support

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.

2.4 MANDATORY TECHNICAL EVALUATION CRITERIA

None

2.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)		Criteria Sub Weighting (%)	Evaluation Score (%)	
1.	Proven track record and experience of providing support to similar contracts			100%		100%	%	
	1.1.	Experience of executing similar <i>Scope of Works</i> at any of the Coal Fired Power Stations during an Outage within the last 5 years (Note: Eskom reserves the right to verify the validity of the information provided with the stated parties)	The non-negotiable (mandatory) returnables include the following: <ul style="list-style-type: none">Provide evidence of being an appointed contractor or sub-contractor executing Outage Works related to fire systems i.e., signed and dated appointment letters, contracts, etc.Include a summary table with the following details (failure to complete this table will result in a score of zero (0)):<ul style="list-style-type: none">Title of ProjectName of Power StationOutage DurationShort description of the works that was executed (not more than 5 sentences)	25%		(____/100) x 100%		
				More than > 5 Outages	5		(____/5) x 25%	%
				More than > 4 Outages	4			
				More than > 2 Outages	2			
				Less than < 2 Outages Or Returnables not submitted	0			
	1.2.	Inspection Sheet as Outlined on the Scope of Work (Provide a sample template OR check sheet OR procedure)	The non-negotiable (mandatory) returnables include the following: <ul style="list-style-type: none">PipesBulb InspectionsValve InspectionsNDTs on the mains	10%		(____/100) x 100%		
				Submission satisfactory met all the requirements	5		(____/5) x 10%	%
				Submission met requirements with minor gaps	4			

Tender Technical Evaluation Strategy for Kriel Power Station – Outage Scope of Work for the Fire Protection System including the Post Outage Ad-Hoc Support

Unique Identifier: **555-EAP2380**

Revision: **1.0**

Page: **8 of 14**

			<ul style="list-style-type: none">Control Instrumentation	Submission met some of the requirements with major gaps	2		
				Submission did not meet the requirements OR Not submitted	0		
	1.3.	Work Schedule as Outlined on the Scope of Work	<p>The non-negotiable (mandatory) returnables include the following:</p> <ul style="list-style-type: none">Identify TaskJob plans, staffing and toolsDetermine time requiredCreate daily and weekly schedules <p>Provide Work Schedule sample of at least 1 sample for inspection and 1 sample for execution using all the above returnables</p>	10%			(___/100) x 100%
				Submission satisfactory met all the requirements	5	(___/5) x 10%	%
				Submission met requirements with minor gaps	4		
				Submission met some of the requirements with major gaps	2		
				Submission did not meet the requirements OR Not submitted	0		
	1.4.	State the number of contracts current or previous of similar scopes within the last 5 years (Note: Eskom reserves the right to verify the validity of the information provided with the stated parties)	<p>The non-negotiable returnables include the following:</p> <ul style="list-style-type: none">Appointment letters on the official company letterhead from the clients <p>Failure to supply the returnable will result in the score of zero (0).</p>	5%			
				20 Appointment letters	5	(___/5) x 5%	%
				15 Appointment letters	4		
				10 Appointment letters	2		
				5 Appointment letters	0		

Tender Technical Evaluation Strategy for Kriel Power Station – Outage Scope of Work for the Fire Protection System including the Post Outage Ad-Hoc Support

Unique Identifier: **555-EAP2380**

Revision: **1.0**

Page: **9 of 14**

				25%		(____/100) x 100%	
	1.5.	Provide the method statement with respect to the management and execution of the contract (service offering)	<p>The non-negotiable returnables include the following:</p> <ul style="list-style-type: none"> Contract Organogram with responsible persons and contact details also include CVs for key members i.e., PM, Site Manager, Senior Supervisor, 2 x Technician, 2 x Artisan, 2 x Electrician. Methodology to execute the works must include and describe the following items: <ul style="list-style-type: none"> Level of training for artisans (competency) technicians Preparation and Planning Risk Assessments Inspections Removals Repairs Installation Cleaning Testing Commissioning Post-Outage maintenance support Management and execution of Quality Control Plans Factory Acceptance Tests Post-Outage Ad-hoc Technical Support to site during plant breakdowns Response times <p>Failure to supply the returnables will result in the score of zero (0).</p>	Method Statement good and meets all of the returnables	5	(____/5) x 25%	%
				Method Statement good and meets some of the returnables	4		
				Method Statement submitted but poor or missing key information	2		
				Method Statement not submitted	0		

Unique Identifier: **555-EAP2380**
Revision: **1.0**
Page: **10 of 14**

	1.6.	Proof of Previous Quality Inspection/Control Report from previous Outages	The non-negotiable returnables include the following: <ul style="list-style-type: none">Signed Quality Inspection/Control Reports from previous OutagesReport must be signed by client/ engineer/ outage/ coordinator	10%			(___/100) x 100%
				More than 20 Signed QCPs	5	(___/5) x 10%	%
				11 – 20 Signed QCPs	4		
				6 – 10 Signed QCPs	2		
				0 – 5 Signed QCPs	0		
	1.7.	Provide ISO 9001 Quality Management System or equivalent Quality Management System certification And Provide accreditation for the NFPA Certification or related fire protection certification for installers	The non-negotiable returnables include the following: <ul style="list-style-type: none">Valid Quality Management Certificate.Certificate must be issued by a certification body accredited by the South African National Accreditation System (SANAS)	15%			(___/100) x 100%
				Valid ISO 9001 AND NFPA Certification Provided	5	(___/5) x 15%	%
				OR An Equivalent Quality Management AND Fire Installer certification			
				Valid ISO 9001 OR NFPA Certification Provided	4		
				OR An Equivalent Quality Management OR Fire Installer certification			
				Invalid/expired ISO 9001 OR NFPA Certification Provided	2		
				OR Invalid/expired Equivalent Quality Management OR Fire Installer certification			
				No submission OR No evidence of submission	0		
			TOTAL	100%		FINAL	%
**** To all prospective bidders please ensure your indexing and technical returnable the numbering is as per this Evaluation Table. Non-compliance to this evaluation table may unfairly disadvantage the bidders due to some of the returnables possibly being missed. VERY IMPORTANT NOTE!!!							

2.6 TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
N/A	N/A			
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1.				
1.1.	X	X	X	X
1.2.	X	X	X	X
1.3.	X	X	X	X
1.4.	X	X	X	X
1.5.	X	X	X	X
1.6.	X	X	X	X
1.7.	X	X	X	X

CONTROLLED DISCLOSURE

2.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

2.7.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	N/A
2.	N/A

Table 5: Unacceptable Technical Risks

Risk	Description
1.	N/A
2.	N/A
3.	N/A
4.	N/A

2.7.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

3. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Thabang Sehlare	Senior Engineer – Auxiliary Engineering, Kriel Power Station
Shyne Munisi	Engineer – Auxiliary Engineering, Kriel Power Station
Neo Muthavhine	Manager – Auxiliary Engineering, Kriel Power Station
Mapula Sethosa	Senior Advisor BOP – Maintenance Support, Kriel Power Station
Heggie Mashaba	Supervisor – Mechanical Maintenance Department, Kriel Power Station
Derick Mahlalela	Senior Artisan – Mechanical Maintenance Department, Kriel Power Station
Sibusiso Ngwenya	Manager – Mechanical Maintenance Department, Kriel Power Station
Jeffrey Ngwenya	Senior Artisan – Mechanical Maintenance Department, Kriel Power Station
Emiel Pretorius	Senior Artisan – Mechanical Maintenance Department, Kriel Power Station

4. REVISIONS

Date	Rev.	Compiler	Remarks
July 2024	0.1	T Sehlare	Draft document for comment
August 2024	1.0	T Sehlare	Final review (squad-check) and sign-off

5. DEVELOPMENT TEAM

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

- Thabang Sehlare

6. 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.