

Title: **Kriel P.S. – Draw, Fabricate, Supply, Deliver, Replace, and Install New Pipework with Fittings**

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inside the Cable Tunnels and Pipe Trenches – Tender Technical Evaluation Strategy

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CONTENTS

	Page
1. INTRODUCTION.....	3
2. SUPPORTING CLAUSES	3
2.1 SCOPE	3
2.1.1 Purpose	3
2.1.2 Applicability	3
2.2 NORMATIVE/INFORMATIVE REFERENCES.....	3
2.2.1 Normative.....	3
2.2.2 Informative	3
2.3 DEFINITIONS	3
2.3.1 Classification	4
2.4 ABBREVIATIONS	4
2.5 ROLES AND RESPONSIBILITIES	4
2.6 PROCESS FOR MONITORING.....	4
2.7 RELATED/SUPPORTING DOCUMENTS	4
3. TENDER TECHNICAL EVALUATION STRATEGY.....	4
3.1 TECHNICAL EVALUATION THRESHOLD.....	4
3.2 TET MEMBERS.....	4
3.3 QUALITATIVE TECHNICAL EVALUATION CRITERIA.....	6
3.4 TET MEMBER RESPONSIBILITIES.....	9
3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS.....	10
3.5.1 Risks	10
3.5.2 Exceptions / Conditions	10
4. AUTHORISATION	11
5. REVISIONS.....	11
6. DEVELOPMENT TEAM.....	11
7. ACKNOWLEDGEMENTS.....	11

TABLES

Table 1: TET Members.....	4
Table 2: Mandatory Technical Evaluation Criteria.....	5
Table 3: Qualitative Technical Evaluation Criteria.....	6
Table 4: TET Member Responsibilities.....	9
Table 5: Acceptable Technical Risks.....	10
Table 6: Unacceptable Technical Risks	10
Table 7: Acceptable Technical Exceptions / Conditions.....	10
Table 8: Unacceptable Technical Exceptions / Conditions.....	10

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1. INTRODUCTION

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The **Kriel P.S. – Draw, Fabricate, Supply, Deliver, Replace, and Install New Pipework with Fittings inside the Cable Tunnels and Pipe Trenches** document outlines the maintenance *works* that must be executed at the Cable Tunnels and Pipe Trenches. This *works* is critical to address the excessive leaks that are consistently sprouting all around the Cable and Trenches. Resulting in the increased terrace dam levels and the station water consumption. This document will outline the manner and parameters that these technical requirements will be evaluated.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope covers the **Kriel P.S. – Draw, Fabricate, Supply, Deliver, Replace, and Install New Pipework with Fittings inside the Cable Tunnels and Pipe Trenches** project.

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.

2.1.2 Applicability

This document is applicable to Kriel Power Station Generation.

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] 240-48929482, Tender Technical Evaluation Procedure.
- [3] 240-168966153, Generation Tender Technical Evaluation Procedure.
- [4] 240-53114190, Internal Audit Procedure.
- [5] 240-106871290, Technical Evaluation Team Member Appointment Letter Template.

2.2.2 Informative

- [6] ISO 9001 Quality Management Systems

2.3 DEFINITIONS

N/A

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2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
TE	Technical Evaluation
TES	Tender Evaluation Strategy
TET	Technical Evaluation Team
TTE	Tender Technical Evaluation
TTER	Tender Technical Evaluation Report

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

- [7] Kriel P.S. – Draw, Fabricate, Supply, Deliver, Replace, and Install New Pipework with Fittings Inside the Cable Tunnels and Pipe Trenches, Scope of Work

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		Senior Engineer, Auxiliary Engineering
TET 2		Senior Advisor, Maintenance Support
TET 3		Senior Artisan, Mechanical Maintenance Department
TET 4		Engineer, Auxiliary Engineering

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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.	N/A	N/A	N/A

3.3 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3 below defines all the Qualitative Evaluation Criteria to be used as well as reference to specification and specific weighting / sub weighting:

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Competence and Certifications Tenderer must provide the following:			20%	
	1.1	Valid and certified Welding Certification ISO 3834-2	Scoring: 5 = Submitted valid ISO 3834 certificate and certified and Part 2 4 = Submitted valid ISO 3834 certificate and certified but not Part 2 2 = Submitted valid ISO 3834 certificate but not certified 0 = Not submitted or submitted certificate is not valid		25%
	1.2	Certified Boilermaker Trade Test Certification for Two (2) core team members and Certified Trade Test Certification for two (2) Mechanical Fitters.	Scoring: 5 = Submitted all 4 Certified Trade Test Certificate 4 = Submitted 3 Certified Trade Test Certificate 2 = Submitted 2 Certified Trade Test Certificate 0 = Not submitted or submitted 1 Certified Trade Test Certificate * Uncertified certificates will not be considered		25%
	1.3	Certified Certificates of a Draughtsman Qualifications and a Certified Certificates of a Professional Engineer (Mechanical Engineer) with valid ECSA Certificate	Scoring: 5 = Submitted Certified Draughtsman Qualification and ECSA Professional Engineer Certificate 4 = Submitted Draughtsman Qualification and ECSA Professional Engineer Certificate but one/both are not certified 2 = Submitted Draughtsman Qualification but no ECSA Professional Engineer Certificate or Draughtsman Qualifications are not certified		50%

			<p>0 = Not submitted or submitted 1 Certified Trade Test Certificate * Uncertified certificates will not be considered</p>		
2.	Technical Requirements Tender must provide the following:			30%	
2.1	<p>A Method Statement and must include the following in great details:</p> <ul style="list-style-type: none"> • Tools and equipment • Inspections • Fabrication • Installation • Commissioning 	<p>Scoring: 5 = Submitted and all requirements are met 4 = Submitted with minor gaps 2 = Submitted with major gaps 0 = Not submitted</p>		100%	
3.	Quality Tender must provide the following:			15%	
3.1	<p>Quality Control Plan (QCP) of previously executed projects/works in 4.1 and 4.2 and must include the following in great details:</p> <ul style="list-style-type: none"> • Hold Points • Intervention Points • Inspections • Fabrication • Installation • Commissioning <p>Important to note the QCP must be signed by both the Contractor and the Client. If supplier provide a QCP that is not signed as stated above will score two (2) for this section.</p>	<p>Scoring: 5 = Submitted and all requirements are met 4 = Submitted with minor gaps 2 = Submitted with major gaps 0 = Not submitted</p>		70%	

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Revision: **1.0**

Page: **8 of 11**

	3.2	Valid and Certified ISO 9001 Quality Management System	<p>Scoring:</p> <p>5 = Submitted valid certified certificate</p> <p>4 = Submitted valid certificate but not certified OR Submitted Equivalent Quality Management System (QMS) that is valid and certified</p> <p>2 = Submitted certificate but not valid or certified</p> <p>0 = Not submitted</p>		30%
4.	Capacity Tender must provide the following:			35%	
	4.1	Evidence of executing works (that includes design, fabrication, installation and execution) of similar scope for similar industrial industries.	<p>Scoring:</p> <p>5 = More than 12 contracts were submitted</p> <p>4 = More than 8 contracts were submitted</p> <p>2 = More than 4 contracts were submitted</p> <p>0 = Not submitted or < less than 3 contracts were submitted</p>		70%
	4.2	Experience in executing work of similar works.	<p>Scoring:</p> <p>5 = More than 12 years were submitted</p> <p>4 = More than 8 years were submitted</p> <p>2 = More than 4 years were submitted</p> <p>0 = Not submitted or < less than 3 years were submitted</p>		30%
				TOTAL: 100	

3.4 TET MEMBER RESPONSIBILITIES

In Table 4 below identifies the TET members allocated to review/evaluate each Qualitative criterion:

Table 4: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6	TET 7	TET n
	N/A	N/A	N/A	N/A				
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6	TET 7	TET n
1								
1.1	X	X	X	X				
1.2	X	X	X	X				
1.3	X	X	X	X				
2								
2.1	X	X	X	X				
3								
3.1	X	X	X	X				
3.2	X	X	X	X				
4								
4.1	X	X	X	X				
4.2	X	X	X	X				

3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 6: Unacceptable Technical Risks

Risk	Description
1.	N/A

3.5.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	ISO 3834 Part 1, 3, and 4 will not be considered.

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
	Senior Artisan, Mechanical Maintenance Department, Kriel P.S.
	Supervisor, Mechanical Maintenance Department, Kriel P.S.
	Engineer, Auxiliary Engineering Department, Kriel P.S.
	Discipline Manager, Auxiliary Engineering Department, Kriel P.S.
	Senior Artisan, Mechanical Maintenance Department, Kriel P.S.
	Discipline Manager, Mechanical Maintenance Department, Kriel P.S.
	Senior Engineer, Auxiliary Engineering Department, Kriel P.S.
	Senior Advisor BOP, Maintenance Technical Support

5. REVISIONS

Date	Rev.	Compiler	Remarks
March 2025	0.1		First Revision
June 2025	1.0		Final update

6. DEVELOPMENT TEAM

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

7. ACKNOWLEDGEMENTS

Not Applicable

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