



Strategy

Engineering

Title	Tender Technical Evaluation Strategy for Kriel P/S Installation and Cabling for Ring Main Units	Unique Identifier	240-165003535
		Alternative Reference Number	N/A
		Area of Applicability	Engineering
		Documentation Type	Strategy
		Revision	2
		Total Pages.	11
		Next Review Date	N/A
		Disclosure Classification	CONTROLLED DISCLOSURE

Compiled by

Supported by

Functional
Responsibility

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Date: 08-10-2021

Date: 08/11/2021

Date 08 11 2021

Date 12/11/2021

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1. INTRODUCTION

This document describes the process to be followed in performing technical evaluations during the tender evaluation for the installation and cabling of Ring Main Units at Kriel Power Station. The evaluation of tenders will be based on the tenderer's ability to meet the Mandatory Evaluation Criteria and Qualitative Evaluation Criteria requirements specified for this project. A weighted score card approach will be used to evaluate the tenders against the *Employer's* requirements.

2. SUPPORTING CLAUSES

2.1 SCOPE

The scope of this document is to capture the tender technical evaluation strategy for the Installation and cabling of Ring Main Units. The scope includes the transportation (rigging included), installation of the RMUs on the plinths, and cabling for all seventeen (17) 11kV SF6 insulated, free standing outdoor IRTU fitted Ring Main Units. The scope of the project is specifically described in the Installation and Cabling for Ring Main Units Works Information.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria and Qualitative Evaluation Criteria, TET member responsibilities and identify acceptable/unacceptable risks 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 Eskom Gx - Kriel 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] 240-48929482 Tender Technical Evaluation Procedure

2.2.2 Informative

- [2] 377-KRL-AABZ28-SP0004-13 Kriel Power Station Installation and Cabling for Ring Main Units Technical Specification

2.3 DEFINITIONS

2.3.1 Classification

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

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2.4 ABBREVIATIONS

Abbreviation	Description
MV	Medium Voltage
RMU	Ring Main Units
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482 Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

A weighted score-card approach is used to evaluate the technical compliance of the tenders against the specifications. Tenderers need to have a weighted score of 80% overall or more to technically qualify for further evaluation. 80% threshold is due to the high risk associated with working with high voltage.

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.

Compliant tenders will be evaluated against a set of weighted qualitative evaluation criteria. The evaluation criteria have been broken down into sections and a percentage weighting for each section is allocated. The Tenderer must ensure that his submission/proposal contains all relevant data/proof to substantiate the Employer's weighted criteria's as populated in Table 4. Qualitative Technical Evaluation Criteria. If no information from the submission file is available per criteria to be evaluated, the weighted score for those particular criteria will result in a zero without further clarification. Only information which is presented, but ambiguous to the evaluators, will be allowed for further clarification.

The scoring method will be as follows

Table 1: Sub-Scoring Criteria

Multiple of the Criteria Sub Weighting	Definition
1	COMPLIANT - Meet technical requirement(s) AND, - No foreseen technical risk(s) in meeting technical requirements

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0.8	COMPLIANT WITH ASSOCIATED QUALIFICATIONS Meet technical requirement(s) with, • Acceptable technical risk(s) AND/OR, • Acceptable exceptions AND/OR, • Acceptable conditions
0.2	NON-COMPLIANT • Does not meet technical requirement(s) AND/OR, • Unacceptable technical risk(s) AND/OR, • Unacceptable exceptions AND/OR, • Unacceptable conditions
0	TOTALLY DEFICIENT OR NON-RESPONSIVE
Note 1. Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.	

3.2 TET MEMBERS

Table 2 TET Members

TET number	TET Member Name	Designation
TET 1	[REDACTED]	System Engineer
TET 2	[REDACTED]	Electrical Senior Engineer
TET 3	[REDACTED]	System Engineer

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 3 Mandatory Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1	Submit proof of registration as an Electrical Contractor	Occupational Health and Safety Act 85 of 1993, Electrical Installation Regulations, Annexure 3	Compliance to the OH&S Act 85 of 1993 and the regulations

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4 Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Sub Weighting (%)	Criteria Weighting (%)
1.	References of past similar work				
	1.1 The tenderer to submit a list of traceable references which adequately proves that the tenderer has at least completed one contracts successfully of similar scope (Installation of Medium Voltage Cables) in the last five (5) years	Supply reference list, Order/Contract, Completion certificate, consisting of the following information - Name of company where project was executed - Contract period - Description of services provided - Contract value - Name, designation and contact number of reference person		10	10%
	Qualifications: Provide Qualifications of key personnel				
	1.2	1.2.1 Site Manager or Foreman Rigger 1.2.2 Rigger 1.2.3 Skilled Electrician	SAQA verifiable certified copy of Qualification as proof. Attached signed	4 4 4	

			letter as proof of employment		20%
		1 2 4. Artisan		4	
		1.2.5 Cable Joiner		4	
2.	Contractor to compile a QCP for the Scope of Work. The QCP will be compiled in line with the guideline as given in the Eskom QM58 procedure.				
	2 1	Detailed QCP – Contractor demonstrates understanding of technical scope as well as the interpretation of the QM58 procedure	Q58 or 240-105658000 Eskom Standard	10	15%
	2 2	ISO9001 2015 certificate		5	
3.	Methodology: Method Statement for the installation and cabling scope for the RMUs				
	3.1	Technical proposal for the works as described in the Scope of Works Indicating the following aspects as a minimum • Scope to be undertaken • Construction/Installation methodology • Proposed investigations/studies (detection of underground services) • Risks and mitigation	377-KRL-AABZ28-SP0004-13 Kriel Power Station - Installation and Cabling for Ring Main Units Technical Specification	55	55%
				Total	100%

3.5 TET MEMBER RESPONSIBILITIES

Table 5 TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	x	x	x
Qualitative Criteria Number	TET 1	TET 2	TET 3
1	x	x	x
2	x	x	x
3	x		
4	x		

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6 Acceptable Technical Risks

Risk	Description
1	Proposed QCP with the critical activities, without acceptance criteria or minor changes required that can be done after contract award

Table 7 Unacceptable Technical Risks

Risk	Description
1	No Method Statements submitted

3.6.2 Exceptions / Conditions

Table 8 Acceptable Technical Exceptions / Conditions

Risk	Description
1	N/A

Table 9 Unacceptable Technical Exceptions / Conditions

Risk	Description
1	N/A

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
[REDACTED]	Electrical Engineering Manager
[REDACTED]	System engineer
[REDACTED]	Senior Engineer

5. REVISIONS

Date	Rev.	Compiler	Remarks
July 2021	1	[REDACTED]	Document created
November 2021	2	[REDACTED]	Mandatory requirement must be a statutory requirement

6. DEVELOPMENT TEAM

The following people were involved in the development of this document

- M W. Phetha

7. ACKNOWLEDGEMENTS

N/A

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