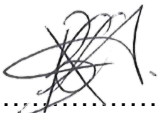



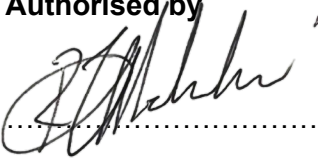



	Strategy	Engineering
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1. INTRODUCTION

A Maintenance contract for the PF burners and distribution boxes is going out on open tender. The technical requirements for all tenderers are specified in this document. The technical evaluation is in accordance with 32-1033: Eskom Procurement and Supply Chain Management Policy and 32-1034: Eskom Procurement and Supply Management Procedure during the tender process.

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 used to evaluate the tender documents supplied by contractor(s) to execute work defined on the scope of work EBP1131 The scope of work for the contract: The Maintenance of the PF burners and Distribution Boxes at Kriel Power Station. 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, and (Technical Evaluation Team) 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 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] 240-168966153: 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).

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2.4 ABBREVIATIONS

Abbreviation	Description
CIDB	Construction Industry Development Board
EN	Europäische Norm ("European Norm"), European Standards
ME	Mechanical Engineering
NDT	Non-Destructive Testing
IWE	International Welding Engineer registered with IIW
ISO	International Organization for Standardization
PF	Pulverized Fuel
QCP	Quality Control Plan
QM	Quality management
SABS	South African Bureau of Standards
SOW	Scope of work
WPS	Welding Procedure Specifications
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

- [1] 240-105658000 Supplier Quality Management Specification
- [2] EBP1131 Scope of work for the contract: The maintenance of PF burners and Distribution Boxes at Kriel Power Station
- [3] 240-87660096 Non-Destructive Testing Inspection Qualification Standard
- [4] 240-83539994 Standard for Non-destructive Testing (NDT) on Eskom Plant
- [5] 240-106628253 Standard for Welding Requirements on Eskom Plant

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%.

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3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	████████████████████	System Engineer
TET 2	████████████████████	Senior Engineer
TET 3	████████████████████	System Engineer

3.3 TENDER RETURNABLES

3.3.1 ISO 3834-2 Certification

Valid Accredited Certificate to ISO 3834 Part 2 is required to work on an Eskom Level 1 plant as per 240-106628253-Standard for welding requirement on an Eskom Plant, refer on page 15.

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3.4 MANDATORY 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.	Valid ISO 3834-part 2 Certification	3.3.1	240-106628253 Eskom welding Standard stipulated the minimum requirements to be checked at tender phase.

All TET members shall independently evaluate and score each mandatory evaluation criteria for each tenderer in accordance with table 2

1.1 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Evaluation Criteria Scoring Table

Score	%	Definition
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 <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
<p>Note 1: The scoring table does not allow for scoring of 1 and 3.</p> <p>Note 2: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.</p>		

All TET members as defined in the Tender Technical Evaluation Strategy shall independently evaluate and score each Qualitative Evaluation Criteria for each tenderer.

Each TET members shall provide a scoring form detailing all allocated scores for each evaluated criterion for each tender.

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Methodology and Quality Control Plan		240-105658000 Supplier Quality Management Specification	20	
	1.1 Method Statement	<p>Method Statement must be specific to the scope of work.</p> <ul style="list-style-type: none"> • (0/5) - non-responsive; No submission • (2/5) – Non-compliant, Unacceptable risk: Inadequate method statement that does not meet technical requirement(s) with reference to the scope of work. • 4/5 – Compliant, acceptable risk(s), Meet technical requirement(s) with reference to the scope of work. • (5/5) – Ceiling; Complete method statement with no foreseen technical risk(s) in meeting technical requirements details as per scope of work. 			10
	1.2 Quality Control Plan	<p>A fully signed-off quality control plan for similar works done and or/a comprehensive new non-signed QCP that is specific to the scope of work and comply to section 3.4 of the QM58, 240-10565800 - Supplier Quality Management Specification. The signature matrix must fully comply with the one the Eskom QCP Template</p> <ul style="list-style-type: none"> • (0/5) - Non-responsive; No submission • (2/5) – Non-compliant, Inadequate/Incomplete QCP that is not compliant to scope of work and/or QM58. • (4/5) – Complaint with acceptable risk, compliant with the scope of work and 240-105658000 but not signed. • (5/5) - Ceiling; Complete QCP's/ITP specific to 			10

		the execution of work and compliant to as per 240- 105658000,			
2.	Welding and Testing		240-106628253 Standard for welding Requirement on Eskom Plant	40	
	Welding Procedure Specification – The tenderer must submit Welding Procedure Specifications (WPS) covering the welds from 2.1 to 2.8				
	2.1	10 mm carbon steel to 10 mm carbon steel; butt <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed by an IWE. (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			5
	2.2	10 mm carbon steel to 10 mm carbon steel; fillet <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed by an IWE. (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			5
	2.3	10 mm carbon steel to 30 mm carbon steel; butt <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed by an IWE. (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			5

	2.4	10 mm carbon steel to 10 mm 310 stainless steel; butt <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed by an IWE. (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			5
	2.5	10 mm 310 stainless steel to 10 mm 310 stainless steel; butt <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed by an IWE. (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			5
	2.6	10 mm 310 stainless steel to 10 mm 310 stainless steel; fillet <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed by an IWE. (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			5
	2.7	10 mm Hardox steel to 10 mm Hardox steel; butt <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed by an IWE. (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			5
	2.8	50 mm diameter carbon steel pipe to pipe (butt) <ul style="list-style-type: none"> (0/5) - Non-responsive; No submission (2/5) – non-compliant; unacceptable risk; WPS not signed 			5

		by an IWE. <ul style="list-style-type: none"> (5/5) - Ceiling; WPS covers the specified weld and are signed by an IWE. 			
3	Completed Projects and Personnel experience.			40	
3.1	>= 2X Mechanical Maintenance Projects completion certificates				
		<p>Submit at least 2x verifiable evidence and/or signed-off proof of Mechanical projects completion certificates. One of the completed projects should be at an Eskom Boiler Plant(s) and the other can be on any other Heavy Industry. The evidence of completed project(s) on the same project(s) - Maintenance and Repairs of Distribution boxes and PF burners will have an added advantage. Evidence must be accompanied by contact list (Full names and Contact numbers)</p> <ul style="list-style-type: none"> (0/5) – Non-responsive; No submissions. No proof of verifiable evidence of completed relevant mechanical projects. (2/5) – Unacceptable risk; 1x Proof of completed mechanical works projects submitted not relevant to the scope of work with verifiable evidence. (4/5) – Acceptable risk; 1x Proof of relevant completed mechanical works projects, Eskom project certificates on Maintenance of PF distribution boxes and burners with verifiable evidence. Also, if 2x proofs (Eskom certificates) submitted with one proof cannot be verified. (5/5) - Ceiling; => 2 x Proofs of relevant completed mechanical works projects on similar scope of work at any Eskom Boiler Plant and one proofs can be on any other heavy industry related to the scope of work both proofs with verifiable evidence. 			20

3.2	Personnel work Experience				
		<p>Proof of experience - signed employment/ service record for the Mechanical Works Supervisor and/or Project Manager on this project - (No CV's).</p> <ul style="list-style-type: none"> (0/5) – Non-responsive; No submissions. No proof of signed employment/ service record. (2/5) – Unacceptable risk; Mechanical Works Supervisor/Project manager, signed proof of employment/ service record. Experience not on PF burners or less than 3 years. (4/5) – Acceptable risk; Mechanical Works Supervisor/Project manager, signed proof of employment/ service record. Experience on PF burners 3 to 5 years. (5/5) – Ceiling; Mechanical Works Supervisor/Project Manager, signed proof of employment/ service record. Experience on PF burners of more than 5 years. 			10
		<p>Submit qualification/appointment/trade certificates for the Mechanical Artisans, Fitters and Coded Welders at least six on this project (two for each trade).</p> <ul style="list-style-type: none"> (0/5) - Non-responsive; No submissions (2/5) - Unacceptable risk; Two or less qualified welders/Artisans/Fitters (4/5) - Acceptable risk; three to five qualified Welders/Artisans/Fitters (at least one of each trade) (5/5) – Ceiling; Six or More qualified Welders, Artisans and Fitters. Minimum of two qualified for each trade. 			10
				TOTAL: 100	

3.6 TET MEMBER RESPONSIBILITIES

Table 4: 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
1.1	X	X	X
1.2	X	X	X
2.1	X	X	X
2.2	X	X	X
2.3	X	X	X
2.4	X	X	X
2.5	X	X	X
2.6	X	X	X
2.7	X	X	X
2.8	X	X	X
3.1	X	X	X
3.2	X	X	X

3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	
2.	

Table 6: Unacceptable Technical Risks

Risk	Description
1.	

3.7.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions


Risk	Description
1.	None

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	None

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
██████████	System Engineer	
██████████	Senior Engineer	

5. REVISIONS

Date	Rev.	Compiler	Remarks
September 2016	0	██████████	Document created
September 2016	1	██████████	Document approved
April 2017	2	██████████	Mandatory ISO9001 requirement removed, SD&L did not approve it. Changes made during squad check updated.
June 2017	3	██████████	Recommended changes by the tender committee made.
June 2020	4	██████████	Returnables reviewed and scoring changed
December 2024	5	██████████	Update of Rev.4 to Rev. 5 for a new contract in 2025, additional Criterion.
December 2024	6	██████████	Update of Rev.5 to Rev 6, the Procurement Manager indicated through Boiler Manager that CIDB requirement is part of the commercial evaluation process and should not be included in the Engineering TES. This is as per Supply Chain Governance Documents.

6. DEVELOPMENT TEAM

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

██████████
██████████

7. ACKNOWLEDGEMENTS

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