Eskom	Strategy	Engineering

Title:	**Kriel Power Station – 18 kV Reciprocating Compressor Refurbishment and Supply of Spares on an "As and When Required" Basis for a Period of 3 years Technical Evaluation Strategy**	Unique Identifier:	**240-166189347**
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Compiled by	Functional Responsibility	Authorised by
……	……	……
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System Engineer	**Aux. Engineering Manager**	**Engineering Manager**
Date: 29/06/2022	Date 2022/07/07	Date: 2022/07/18

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TABLES

1. INTRODUCTION

The Kriel Power station 18kV generator breaker uses compressed air to pneumatically operate the GCB's (generator circuit breakers). The compressed air is supplied from compressor plants that are located in unit 1 and 4 respectively. The compressor has to be serviced in accordance with OEM's specification to ensure the reliability of the 18kV compressor plant.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the multi-disciplinary design team technical evaluation requirements that will be applied during the technical evaluations in order to evaluate the proposals received from the market. The Tender Technical Evaluation Strategy defines the following with regards to this project:

- Mandatory Evaluation Criteria
- Qualitative Evaluation Criteria
- TET Member Responsibilities
- Acceptable / Unacceptable Qualifications

Once the Technical Evaluation Strategy is authorised no changes will be permitted to be made to the evaluation criteria.

The scope of this document does not include the selection of a specific tenderer, nor does it include the evaluation of the suitability of any particular tenderer. These issues will form part of the technical evaluation report.

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 applies to the Kriel Power Station 18 kV Reciprocating Compressor Refurbishment Contract - 240-165616596

2.2 NORMATIVE/INFORMATIVE REFERENCES

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

2.2.1 Normative

[1] 240-48929482: Tender Technical Evaluation Procedure

[2] 240-53716726: Technical Scoring Form

[3] 240-53716712: Technical Evaluation Results

2.2.2 Informative

[1] 240-165616596 Kriel Power Station 18 kV Reciprocating Compressor Refurbishment Contract

2.3 CLASSIFICATION

Confidential: the classification given to information that may be used by malicious/opposing/hostile elements to harm the objectives and functions of Eskom Holdings Limited.

2.4 ABBREVIATIONS

The following abbreviations are used in this document:

Abbreviation	Description
CV	Curriculum Vitae
N/A	Not Applicable
OEM	Original Equipment Manufacturer
SoW	Scope of Work
TES	Technical Evaluation Strategy
TET	Technical Evaluation Team
QCP	Quality Control Procedure

2.5 ROLES AND RESPONSIBILITIES

As per Eskom document 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNCIAL EVALAUTION 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%. Any tenderer who scores below this threshold will be disqualified.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	France Mabuza	System Engineer – Auxiliary Engineering
TET 2	Spha Biyela	Technical Advisor - Mechanical
TET 3	Bheki Nkosi	Supervisor - Mechanical

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

N/A

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 2: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description								
	Qualitative Technical Criteria Description		**Reference to Technical Specification / Tender Returnable**	**Criteria Weighting (%)**	**Criteria Sub Weighting (%)**		**Evaluation Scoring Breakdown**		
						0	**2**	**4**	**5**
1	**Experience**			**30**					
	1.1	Technician is experienced in service/refurbishment of compressors of similar type (reciprocating) The contractor submits a CV of a Technician to demonstrate experience in service/refurbishment of compressors of similar type (reciprocating)	CV of technician that will be executing the works INCLUDING a) clear list of the type of compressors serviced (model and type) b) the type of service or breakdown repair executed (example 2000 hr service, crank shaft replacement….) c) list the number of compressors serviced (how many services or breakdown repairs has the individual executed in total) d) the location of the compressors serviced and the contact details of the owner of the compressor for each instance listed.	**30**	100	CV includes less than 60% of required information (points (a) – (e)) for compressors listed AND/OR the amount of compressors serviced in total is less than 10 0%	CV includes 60% of required information (points (a) – (e)) for compressors listed AND/OR the amount of compressors serviced in total is more than 10 but less than 15 40%	CV includes 80% of required information (points (a) – (e)) for compressors listed AND/OR the amount of compressors serviced in total is more than 15 but less than 20 **80%**	CV includes all the required information (points (a) – (e)) for compressors listed AND the amount of compressors serviced in total is equal to or more than 20 100%

			e) for each of the services listed a completed traceable and signed by delegated authority QCP to be attached as proof that the works was executed						
	Qualitative Technical Criteria Description		**Reference to Technical Specification / Tender Returnable**	**Criteria Weighting (%)**	**Criteria Sub Weighting (%)**		**Evaluation Scoring Breakdown**		
						0	**2**	**4**	**5**
2.	**Quality Control Procedure (QCP)**			**35**					
	2.1	QCP for the 8000 hrs service of a JAB Becker SVD 250 compressor Scoring Detail	Submit a detailed QCP for the 8000 hrs service of a JAB SVD 250 compressor	35	100	QCP submitted but addresses less than 60% of relevant tasks OR no QCP submitted 0%	QCP submitted addressing 60% of all task required for 8000 hrs service 40%	QCP submitted addressing 80% of all task required for 8000 hrs service 80%	Detailed QCP addressing all tasks required for the 8000hrs service 100%
3	**Qualitative Technical Criteria Description**		**Reference to Technical Specification / Tender Returnable**	**Criteria Weighting (%)**	**Criteria Sub Weighting (%)**		**Evaluation Scoring Breakdown**		
						0	**2**	**4**	**5**
	Spares Technical Data Sheets			**35**					

	3.1	The tenderer to supply the technical data sheets of all the spares for an 8000-hour service	The tenderer submits technical specification data sheets of each spare part. The data sheets are to have the Manufacturer's name and part number	**35**	100	No data sheets provided	40% of technical data sheets provided	60% of technical data sheets provided	100% of technical data sheets provided
	TOTAL = 100%								

3.5 TET MEMBER RESPONSIBILITIES AND SCORING GUIDELINE

Table 3: TET Member Responsibilities

Qualitative Criteria Number	TET 1	TET 2	TET 3
1. Mechanical	X	X	X
2. Quality Control Procedure	X	X	X
3. Spares Technical Data Sheets	X	X	X

The following table is an excerpt from Eskom document 240-48929482: Tender Engineering Evaluation Procedure and it gives guidance as to how an evaluator should allocate a score for any particular evaluation criterion.

Table 4: Scoring method guideline from Eskom document 240-48929482

Score	(%)	Definition
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**
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.		

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	N/A

Table 6: Unacceptable Technical Risks

Risk	Description
1.	N/A

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A

4. AUTHORISATION

This document has been seen and accepted by:

Name and Surname	Designation
Neo Muthavhine	Auxiliary Engineering Manager
Spha Biyela	Technical Advisor
Bheki Nkosi	Supervisor Compressor Maintenance

5. REVISIONS

Date	Rev.	Compiler	Remarks
15/10/21	0	DC Human	Draft issues for comments
18/10/21	1	DC Human	First Issue
17/06/2022	2	France Mabuza	Second Revision, added supply and delivery of spares.

6. DEVELOPMENT TEAM

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

- Dirk Human
- Spha Biyela
- Bheki Nkosi

7. ACKNOWLEDGEMENTS

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