Eskom	Strategy	Kriel Power Station

Title:	**Kriel Power Station Refurbishment of Effluent Water System, Ash Plant and Ash Dams Pump Spares on an As and When Required Basis for a Period of 5 years Technical Evaluation Strategy**	Unique Identifier:	**555-EAP2017**
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Compiled by	Functional Responsibility	Authorised by
……..	……..	……..
Date: ……	Date: ……	Date: ……

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TABLES

1. INTRODUCTION

Kriel Power Station uses different pumps on the effluent water system, ash plant and ash dams for different purposes. The pumps are centrifugal pumps and submersible pumps. This scope is to detail the spares required to be refurbished and supplied “As and When” Required Basis.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the maintenance requirements in the form of a scope of work for the refurbishment and supply of various water pumps and its associated component installed on Effluent Water System, Ash Plant and Ash Dams Pump “As and When” Required Basis.

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 Kriel Power Station’s Auxiliary Engineering Department.

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] ISO 9001 Quality Management Systems

2.3 DEFINITIONS

Definition	Description
Inspection	Activities, which by means of examination, observation or measurement, determine the conformance of material, parts, components etc., to predetermined specifications and quality requirements.
Maintenance	A combination of all technical, administrative and managerial actions during the life cycle of an item intended to retain it in, or

Definition	Description
	restore it to, a condition in which it can perform its required function.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
SOW	Scope of work
QCP	Quality Control Procedure
KPS	Kriel Power Station

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 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%.

SCORE	PERCENTAGE	DESCRIPTION
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**

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1		
TET 2		
TET 3		

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Criteria

N/A

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Criteria

		Qualitative Technical Criteria Description							
	TECHNICAL INFORMATION		**Reference to Technical Specification / Tender Returnable**	**Criteria Weighting (%)**	**Criteria Sub Weighting (%)**		**Evaluation Scoring Breakdown**		
						0	**2**	**4**	**5**
1.	1.1	Technical Offer : Submits a signed Technical Offer letter stipulating no technical deviations from SOW and no use of reverse engineered components to perform refurbishment	555-EAP2016 : Kriel Power Station Refurbishment of Effluent Water System, Ash Plant and Ash Dams Pump Spares on an As and When Required Basis for a Period of 5 years Scope of Work	**10**	**100**	Nothing provided. refer to SOW Spares list	-	-	**Technical offer :** • Submits a signed Technical Offer letter stipulating no technical deviations from SOW and no use of reverse engineered components to perform refurbishment

	1.2	The tenderer to submits a Detailed Methodology: Refurbishment of Ash Crusher Units for the SOW as per Section 3 of SOW document.	555-EAP2016 : Kriel Power Station Refurbishment of Effluent Water System, Ash Plant and Ash Dams Pump Spares on an As and When Required Basis for a Period of 5 years Scope of Work	**25**	**100**	No information submitted	Submitted with major gaps and major risks identified. • Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.	Submitted with sufficiently detailed with • Minor omissions, • Meets technical specification and • Acceptable technical risks identified	Submitted detailed covers entire SOW • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
	1.3	The tenderer to submit a proof of local warehouse/workshop capability, submits a fully populated and signed Warehouse capability self assessment sheet. Refer Appendix A1 of document 555-EAP2016 for assessment sheet, with proof of submitted information. Fully populated and signed warehouse/workshop capability self assessment sheet, partially populated of unsigned Self assessment sheets will result in a score of zero under section 1.3 *Eskom will conduct a site visit or workshop visit to verify all submitted information for all tenders that met the*	555-EAP2016 : Kriel Power Station Refurbishment of Effluent Water System, Ash Plant and Ash Dams Pump Spares on an As and When Required Basis for a Period of 5 years Scope of Work.	**35**	**100**	No information submitted	-	• -	Submitted detailed and signed Workshop Assessment Form / Proof of Workshop facility Capability • Site or Workshop visit assessment confirms availability and capability of Workshop Facility to perform SOW without any technical deviations and Technical risks o Eskom

		minimum threshold. Information from the assessment							• Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.
	Quality Management System		**Reference to Technical Specification / Tender Returnable**	**Criteria Weighting (%)**	**Criteria Sub Weighting (%)**		**Evaluation Scoring Breakdown**		
						0	**2**	**4**	**5**
2.	2.1	Submit Quality Control Plan for Works for all components for Refurbishment as per Scope of Work section 3	555-EAP2016	**20**	**100**	No information submitted	Submitted with major gaps and major risks identified. • Does not meet technical requirement(s) AND/OR; Unacceptable	Submitted with sufficiently detailed with • Minor omissions, • Meets technical specification and	Submitted detailed covers entire SOW • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements.

							technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.	Acceptable technical risks identified	
3.	**Assurance Requirements**		**Reference to Technical Specification / Tender Returnable**	**Criteria Weighting (%)**	**Criteria Sub Weighting (%)**		**Evaluation Scoring Breakdown**		
						0	**2**	**4**	**5**
	3.1	The warranty and guarantee of the supplied spares is provided. The warranty and guarantee of the refurbished crusher sets spares is provided.	555-EAP2016 : Kriel Power Station Refurbishment of Effluent Water System, Ash Plant and Ash Dams Pump Spares on an As and When Required Basis for a Period of 5 years Scope of Work. Submits a warranty list for each component as per Table	**5**	**100**	No Information Provided	-	-	Warranty and Guarantee information is provided with a minimum of 2 years for spares and refurbished items

			3.2.3 of Scope of Work						
	3.2	The spares are delivered within 20 days of order placement, strip and assess of refurbish units, delivery of refurbished units.	555-EAP2016 : Kriel Power Station Refurbishment of Effluent Water System, Ash Plant and Ash Dams Pump Spares on an As and When Required Basis for a Period of 5 years Scope of Work. Submits a delivery schedule for each component as per Table 3.2.3 of Scope of Work	**5**	**100**	No Information Provided	-	-	The spares are delivered within 20 days of order placement
		TOTAL = 100%							

TET MEMBER RESPONSIBILITIES

Table 3: TET Member Responsibilities

Qualitative Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
3	X	X	X
4	X	X	X

Foreseen Acceptable / Unacceptable Qualifications

3.4.1 Risks

Table 4: Acceptable Technical Risks

Risk	Description
1.	**N/A**

Table 5: Unacceptable Technical Risks

Risk	Description
1.	Datasheets that do not meet specification, alternative materials may be delivered to site that are inferior and not adaptable to plant
2.	Methodology that has major omissions on refurbishment scope
3.	Tenderer does not have warehouse or workshop capability

3.4.2 Exceptions / Conditions

Table 6: Acceptable Technical Exceptions / Conditions

Risk	Description

1.	N/A

Table 7: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation

5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2021	0		
August 2023	1		
September 2023	2		

Appendix A1: Warehouse/Workshop Self-Assessment Sheet

Name of Company representative	
Position with the Company	
Address of Workshop or Warehouse Facility	
Signature	
Date	

TECHNICAL QUESTIONNAIRE:

FABRICATION & MACHINERY REFURBISHMENT

CATEGORY: Machined Components

EVALUATION CRITERIA		No off		No off		No off	Additional information or Comments
Turning	Manual Jobbing Specify Nr of Machines		Manual & Automatic Machines Specify Nr of Machines		Full Automated Capstan NC Machining - Specify Nr of Machines		
Shaping	Manual Jobbing Specify Nr of Machines		Manual & Automatic Machines Specify Nr of Machines		Full Automated Machining Work pieces - Specify Nr of Machines		
Grinding	Manual Jobbing Specify Nr of Machines		Manual & Automatic Machines Specify Nr of Machines		Full Automated Machining Work pieces - Specify Nr of Machines		
Milling	Manual Jobbing Specify Nr of Machines		Manual & Automatic Machines Specify Nr of Machines		Full Automated Machining Work pieces - Specify Nr of Machines		
Line boring	Manual Jobbing		Manual & Automatic Machines		Full Automated Machining Work		

	Specify Nr of Machines		Specify No' of Machines		pieces - Specify Nr of Machines			

Mark the correct information applicable to tenderers facilities (×)

Machine Capacities		1	2	3		1	2	3		1	2	3	Additional Information or Comments
Lathe **Max** capacities	Spindle Bore	≤ 30mm	≤50mm	≥ 50mm	Length	≤1000mm	≤2500mm	≥2500mm	Swing over bed	≤150mm	≤250mm	≥250mm	
Milling **Max** Capacities	Length	≤ 500mm	≤ 1000mm	≥ 1000	Width	≤250	≤500	≥500	Head	≤500mm	≤1000mm	≥1000mm	
Boring Mill **Max** capacities	Length	≤1000mm	≤1500mm	≥1500mm	Width	≤1000mm	≤1500mm	≥1500mm	Swing	≤600mm	≤1000mm	≥1000mm	

Mark the correct information applicable to tenderers facilities (×)

After Hours Services	Normal Time		By Arrangement				Permanent Standby			
Heat treatment / stress relieving-equipment and expertise.	Not Available		Near by Facility Available - Specify name of Company		Small in-house ± m^3		In-house 3m^3 Facility		In-house > 10m^3 Facility	
Corrosion protection, sand-blasting & painting	Not Available		Outsourced		Accessible		Fully Available In-house Facility			
Type of material.	Limited to Mild Steel		Mild Steel, Brass & Copper		Mild Steel, Brass, Copper, Aluminium & Stainless Steel		1,2,3 and Specially Treated Steels		All type including tool steels	
Non Destructive Testing Facilities	No facilities or use of N.D.T.		Infrequent use of authorized inspection authority		Authorized inspection authority only		Limited In-house & authorized inspection authority		Full In-house dye, X-ray mag part, Ultra Sonic	

Person Performing N.D.T	none		No formal certificate		Level 1 Qualified		Level 2 Qualified		Level 3 Qualified						
Level of Quality Expertise	No quality control Facility		3rd party QC inspector only		Basic Inspection Facilities		Formal controlled Inspection Facility & officer		ISO 9000 or Greater Accredited Facility						
Qualification of Technical Staff	Unskilled vs. Skilled	≤25%	≤50%	≥50%	Semi-skilled vs. Skilled		≤25%	≤50%	≥50%	Artisans/ Technicians		≤25%	≤50%	≥50%	