Eskom	Strategy	Engineering

Title:	**Technical Evaluation Strategy for Supply and Delivery of Bolts Nuts, Washers, and Springs at Kriel Power Station for a period of 5 Years**	Unique Identifier:	**555- EAP2371**
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Compiled by	Supported By	Authorised by
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TABLES

1. INTRODUCTION

Bolts, nuts, and washers play an essential role in mechanical assembling as well as construction. These components provide structural integrity, stability, and reliability of structures, machinery, and assemblies across various industries.

Figure 1: Fasteners- Bolts, nuts, washers, clips, and screws.

The primary function of bolts is securing two or more components together, providing the required clamping force to hold them in place. They are available in various sizes, lengths, and materials. To ensure optimal performance and durability, bolts are designed to meet specific application requirements, standards, and regulations.

Nuts are threaded fasteners that engage with the bolt's threads to create a secure joint. Acting as a counterpart to the bolt, nuts play a crucial role in distributing the clamping force evenly across the joint, enhancing its stability and preventing loosening over time. Like bolts, they designed to meet specific application requirements, standards, and regulations.

Washers are often overlooked but are as equally important as bolts and nuts. They are thin, flat discs placed between the bolt head or nut and the surface of the joined components. Their primary function is to distribute the load, reduce friction, and protect the surfaces from damage, ensuring a more secure connection.

Fasteners play an essential role in mechanical and structural assemblies, providing the structural integrity and reliability required to withstand various forces, vibrations, and environmental conditions. It is crucial that they are designed and manufactured for a specific application and that they meet specific requirements to realize their benefits.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document provides the Tender Technical Evaluation Strategy (TTES) that will used to evaluate tenderers for the supply, delivery of bolts, nuts and washers at Kriel Power Station.

2.1.1 Purpose

The purpose of this TTES is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and Technical Evaluation Team (TET) member responsibilities for tender 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.

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] 32-1034: Eskom Procurement Policy

[3] 555-EAP2370 Kriel Power Station Supply and Delivery of Bolts, Nuts, Washers and Springs Scope of Work on an As and When Required Basis for a Period of 5 Years

2.2.2 Informative

N/A

2.2.3 Classification

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

2.3 ABBREVIATIONS

Table 1: abbreviations

Abbreviation	Description
CV	Curriculum Vitae
ISO	International Standardisation Organisation
TET	Technical Evaluation Team
TTES	Tender Technical Evaluation Strategy

Abbreviation	Description
SANAS	South African National Accreditation System

2.4 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.5 PROCESS FOR MONITORING

The Tender Technical Evaluation Procedure as well as relevant procurement produces will be used to monitor the process.

2.6 RELATED/SUPPORTING DOCUMENTS

[1] 555-EAP2370

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 2: TET Members

TET number	TET Member Name	Designation
TET 1	Khulekani Masango	System Engineer
TET 2	Wonder Nkentshane	System Engineer
TET 3	John Mkhonto	Senior Engineer
TET 4	Frederik Viljoen	Senior Supervisor

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

None

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA SCORING MATRIX

The qualitative criteria will be scored according to the scoring matrix set out in the Tender Engineering Evaluation Procedure [1].

Table 3 shows the scoring matrix that will be used.

Table 3: Qualitative Technical Evaluation Criteria Scoring Matrix

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** • No evidence of submission
Note 1: The scoring table does not allow for scoring of 1 and 3.		

3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: 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 AND CAPABILITY**			**40**					
	1.1	Proof of previous supply and delivery of items	• Purchase orders/Task orders and proof of delivery ❖ Proof of delivery must be signed and stamped by recipient. ❖ Order number must appear on both Purchase Order and Proof of Delivery, or Task orders in case of a contract		**100**	**0-10** Purchase Orders/Task Orders and Proof of Delivery	**11-20** Purchase Orders/Task Orders and Proof of Delivery	**20-50** Purchase Orders/Task Orders and Proof of Delivery	**More than 50** Purchase Orders/Task Orders and Proof of Delivery
2	**QUALITY ASSURANCE**			**30**					
	2.1	Quality Management Certificate (ISO 9001)	• Valid Quality Management Certificate ❖ Certificate must be issued by a certification body accredited by South African National Accreditation System (SANAS)		**50**	No Tender Returnable	Valid ISO Quality Management Certificate AND issued by a certification body accredited by South African National Accreditation System (SANAS)	Expired ISO 9001 Quality Management Certificate AND issued by a certification body accredited by South African National Accreditation System (SANAS)	Valid ISO 9001 Quality Management AND Certificate issued by a certification body accredited by South African National Accreditation System (SANAS)
	2.2	Proof of Previous Quality Inspection/Control Report for delivered items	• Signed Quality Inspection/Control Reports of items delivered. ❖ Reports must sample of items provided in 1.1. ❖ Purchase Order numbers must be valid. ❖ Report must be signed by recipient.		**50**	**0-5 Signed** Quality Inspection or Control Reports	**6-10 Signed** Quality Inspection or Control Reports	**11-20 Signed** Quality Inspection or Control Reports	**More than 20** Quality Inspection or Control Reports

3	**METHOD STATEMENT**			**30**					
	3.1	Method statement for the supply and delivery of bolts, nuts, and washers	• Detailed method statement for supply and delivery as per the scope Method Statement must cover at least: • Objective • Scope • Responsibilities • Procedures ❖ Procurement and Quality Assurance ❖ Inspection and Verification ❖ Packaging and Labelling ❖ Transportation and Delivery ❖ Delivery and Acceptance • Safety Precautions • Documentation • Review and Approval		**100**	No Tender Returnable OR Method statement has irrelevant information		Method statement has relevant information AND Does not cover all headings	Method statement is detailed and has relevant information AND Covers all the headings
TOTAL				**100**					

3.6 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

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

3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	Contractor has previously supplied 20-50 items and Purchase Orders and Proof of Delivery are supplied
2.	Contractor has provided an expired ISO 9001 Quality Management Certificate AND issued by a certification body accredited by South African National Accreditation System (SANAS)
3.	Contractor has provided 11-20 Signed Quality Inspection or Control Reports

Table 7: Unacceptable Technical Risks

Risk	Description
1.	No Tender Returnable
2.	Method statement has irrelevant information

3.7.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Contractor has 0-5 Signed Quality Inspection or Control Reports

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	No Tender Returnable

4. AUTHORISATION

This document has been seen and accepted by:

NAME	DESIGNATION
Frederik Viljoen	Senior Supervisor
Wonder Nkentshane	System Engineer
John Mkhonto	Senior Engineer

5. REVISIONS

DATE	REV.	COMPILER	REMARKS
April 2024	1	France Mabuza	New Document
July 2025	2	Khulekani Masango	Criteria 1 reviewed to accommodate Task Orders

6. DEVELOPMENT TEAM

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

- France Mabuza

7. ACKNOWLEDGEMENTS