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| Drawing1 | Strategy | Engineering |

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# Introduction

Kriel Power Station’s Auxiliary Plant consists primarily of the Coal Plant, Ash Plant, Water Treatment Plant, Dust Handling Plant, Compressed Air System, Fire System, Heating; Ventilation; Air Conditioning and Cooling System, Sewage Treatment Plant, Main Cooling System and Dams. These systems are required to have a high availability and spares for these plants need to be readily available. A contract for the supply and delivery of Auxiliary Plant Valves for a period of five (5) years on an as and when required basis hence needs to be put in place.

# Supporting Clauses

## Scope

This document provides the tender technical evaluation strategy that will used to evaluate tenderers for the Supply and Delivery of Auxiliary Plant Valves to Kriel Power Station for a Period of five (5) years on an as and when required basis.

### 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 evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

### Applicability

This document shall apply to Kriel Power Station.

## Normative/Informative References

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

### Normative

1. 240-48929482: Tender Technical Evaluation Procedure
2. 32-1034: Eskom Procurement Policy

### Informative

1. TBA - Kriel Power Station Supply and Delivery of Auxiliary Plant Valves for a Period of Five Years on an as and when required basis

## Definitions

### Classification

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

## Abbreviations

| Abbreviation | Description |
| --- | --- |
| TET | Technical Evaluation Team |
| NEC | New Engineering Contract |
| ISO | International Organisation for Standardisation  |

## Roles and Responsibilities

As per 240-48929482: Tender Technical Evaluation Procedure

## Process for monitoring

Not applicable.

## Related/Supporting Documents

Not applicable.

# Tender Technical EvaluAtion Strategy

## Technical Evaluation Threshold

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%.

## TET memberS

Table 1: TET Members

|  |  |  |
| --- | --- | --- |
| **TET number** | **TET Member Name** | **Designation** |
| TET 1 | Justin Varden | Senior Engineer |
| TET 2 | Jerushan Pillay |  Engineer |
| TET 2 | France Mabuza | Engineer |
| TET 4 | Mershan Reddy | Engineer |
| TET 5 | Themba Mashiyane | Senior Supervisor Maintenance |

## Mandatory Technical Evaluation Criteria

None

## 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**  |
| **Note 1:** The scoring table does not allow for scoring of 1 and 3.  |

## Qualitative Technical Evaluation Criteria

Table 4: Qualitative Technical Evaluation Criteria

|  |  |
| --- | --- |
|  | **Qualitative Technical Criteria Description** |
| **1.** | **TECHNICAL INFORMATION** | **Reference to Technical Specification / Tender Returnable** | **Criteria Weighting****(%)** | **Criteria Sub Weighting****(%)** |  | **Evaluation Scoring Breakdown** |
|  |  |
| **0** | **2** | **4** | **5** |
| 1.1 | The tenderer to supply the technical brochures and maintenance manuals of all the spares that will be supplied. | NEC document Part 3: Scope of Work, Section 3 | **50** | 30 | Less than or equal to 50% of both technical brochures and manuals provided  | Greater than 50% and less than 80% of both technical brochures and manuals provided | Greater than 80% and less than 100% of both technical brochures and manuals provided | All technical brochures and manuals provided. |
|  | 1.2 | The tenderer to supply proof of previous spares supply (NEC) contract (with minimum of 3-released task orders within that contract) or minimum of 3 previous awarded purchase orders for spares supply relating to this Scope of Work.  The proof required is Task/Purchase Orders, QC documents and Delivery Notes that have all been signed off by both the Supplier and the Client.  The document is considered signed when all parties have signed. | NEC document Part 3: Scope of Work, Section 3 | 20 | No Information provided or any unsigned documentation provided  | One (1) Purchase/Task Order and associated Delivery Notes and QC documents signed by the Supplier and Client is provided. | Two (2) Purchase/Task Orders and associated Delivery Notes and QC documents signed by the Supplier and Client is provided. | Three (3) Purchase/Task Orders and associated Delivery Notes and QC documents signed by the Supplier and Client is provided. |
| **2.** | **Quality Management System** | **Reference to Technical Specification / Tender Returnable** | **Criteria Weighting****(%)** | **Criteria Sub Weighting****(%)** |  | **Evaluation Scoring Breakdown** |
| **0** | **2** | **4** | **5** |
| 2.1 | Submit proof of Quality Management System as per ISO9001:2005 | NEC document Part 3: Scope of Work, Section 3 | **5** |  | None | Some information on the Quality Management System is provided. | Company’s detailed quality management system is provided. | Tenderers valid ISO Certification is provided. |
|  |
| **3.** | **Assurance Requirements** | **Reference to Technical Specification / Tender Returnable** | **Criteria Weighting****(%)** | **Criteria Sub Weighting****(%)** |  | **Evaluation Scoring Breakdown** |
| **0** | **2** | **4** | **5** |
| 3.1 | The contractor needs to provide a letter indicating the guarantees that will be supplied for the spares that is provided. | NEC document Part 3: Scope of Work, Section 3 | **45** | 12 | No guarantee information is provided | Guarantees are offered for a period less than 12 months | Guarantees are offered for a period of 12 months. | Guarantees offered are for periods greater than 12 months |
|  | 3.2 | The contractor needs to provide a letter indicating the warranties that will be supplied for the spares that is provided. | NEC document Part 3: Scope of Work, Section 3 | 13 | No warranty information is provided | Warranties are offered for a period less than 12 months | Warranties offered are offered for a period of 12 months. | Warranties offered are for periods greater than 12 months |
|  |  |  |  |  |  |  |  |  |
|  | 3.2 | The contractor needs to provide a letter indicating the lead time from when a valid task order is placed to when valves less than 100NB will be delivered on site. | NEC document Part 3: Scope of Work, Section 3 | 10 | No Information Provided | The spares are delivered greater than 10 days after a valid task order.  | The spares are delivered on or within 10 days of a valid task order | The spares are delivered within 8 days of a valid task order  |
|  | 3.3 | The contractor needs to provide a letter indicating the lead time from when a valid task order is placed to when valves 100NB and greater will be delivered on site. | NEC document Part 3: Scope of Work, Section 3 | 10 | No Information Provided | The spares are delivered greater than 28 days after a valid task order.  | The spares are delivered on or within 28 days of a valid task order | The spares are delivered within 21 days of a valid task order  |
|  |  | **TOTAL = 100%** |
|  |  |  |

## TET Member Responsibilities

Table 5: TET Member Responsibilities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Qualitative Criteria Number** | **TET 1** | **TET 2** | **TET 3** | **TET 4** | **TET 5** |
| 1 | x | x | x | x | x |
| 2 | x | x | x | x | x |
| 3 | x | x | x | x | x |

## Foreseen Acceptable / Unacceptable Qualifications

### Risks

Table 6: Acceptable Technical Risks

|  |  |
| --- | --- |
| **Risk** | **Description** |
|  | Not all technical brochures and maintenance manuals are provided |
|  | The tenderer has a detailed quality management system in place but is not ISO accredited.  |

Table 7: Unacceptable Technical Risks

|  |  |
| --- | --- |
| **Risk** | **Description** |
|  | **No technical brochures, maintenance manuals and spares specifications are provided** |
|  | The tenderer has no or poorly defined quality management system in place. |
|  | No warranties or guarantees are provided. |
|  | The tenderers provide the spares outside the required order placement to delivery timeline |

### Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

|  |  |
| --- | --- |
| **Risk** | **Description** |
|  | None.  |

Table 9: Unacceptable Technical Exceptions / Conditions

|  |  |
| --- | --- |
| **Risk** | **Description** |
|  | The provision of spares outside the requested technical specifications.  |

# Authorisation

This document has been seen and accepted by:

| Name | Designation | Signature |
| --- | --- | --- |
| Justin Varden | Senior Engineer |  |
| Jerushan Pillay | Engineer |  |
| Dirk Human | Engineer |  |
| Mershan Reddy | Engineer |  |
| Themba Mashiyane | Senior Supervisor Maintenance |  |

# Revisions

| Date | Rev. | Compiler | Remarks |
| --- | --- | --- | --- |
| December 2021 | 0.1 | J. Varden | First draft |
| January 2022 | 1 | J. Varden | Final version for signatures |

# Development team

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

* Justin Varden
* Themba Mashiyane
* Jerushan Pillay
* Dirk Human
* Mershan Reddy

# Acknowledgements

All TET Members.