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|-----------------------------------------------------------------------------------|-----------------|----------------------------|
|  | <b>Strategy</b> | <b>Kriel Power Station</b> |
|-----------------------------------------------------------------------------------|-----------------|----------------------------|

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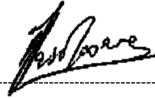
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## **1. Introduction**

This technical evaluation strategy is for Supply and Delivery of Mill coupling spares and other related spares, on an “as and when” required basis for a period of five years to Kriel Power Station. This applies to the 10.8E and 12.9E mills used at Kriel power station’s milling plant.

Kriel Power Station is situated approximately 10 kilometres from the town of Kriel in Mpumalanga. Access to the station is by road. The purpose of this scope is to briefly outline the listed components’ requirements and specifications which any potential service provider will need to be able to present them to us with an offer of supply. It is also essential to note that, this scope is only applicable to Kriel Power Station.

## **2. Supporting Clauses**

### **2.1 Scope**

Strategy for technical evaluation on the supply and delivery of mill couplings for 5 years at Kriel Power Station.

#### **2.1.1 Purpose**

The purpose of this tender technical evaluation is to define the mandatory evaluation criteria, qualitative evaluation criteria and technical evaluation team (TET) responsibilities for tender technical evaluation. The technical evaluation strategy serves as a basis for the tender technical evaluation process.

#### **2.1.2 Applicability**

This document is applicable to all relevant stakeholders involved with the technical tender evaluation process for the procurement of milling plant coupling spares.

#### **2.1.3 Effective date**

This document is effective from the day of authorisation.

### **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
- [2] QM 58: Supplier Contract Quality Requirements
- [3] ISO 9001 Quality Management Systems
- [4] 32-1034: Eskom procurement and supply chain management procedure

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[5] 32-1033: Eskom's procurement and supply chain management policy

## 2.2.2 Informative

[6] 240-105658000: Supplier Quality Management Specification

[7] BS EN 10204:2004 Metallic Products: Types of Inspection Documents

## 2.3 Definitions

| Term     | Description                                                                                                                                        |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Rubber   | Elastic material either natural or synthetic that can stretch and return to its original shape.                                                    |
| Coupling | A coupling is a device that connects two parts or things                                                                                           |
| Bibby    | A flexible coupling design using a grid (spring steel) element to transmit torque while accommodating shock loads and damping torsional vibration. |
| Fenaflex | A type of flexible tyre coupling made by Fenner                                                                                                    |
| grease   | Solid or semi-solid lubricant made by dispersing a thickening agent in a liquid lubricant.                                                         |

## 2.4 Abbreviations

| Abbreviation | Explanation                     |
|--------------|---------------------------------|
| OEM          | Original equipment manufacturer |
| QCP          | Quality control plan            |
| ITP          | Inspection & test plan          |
| TET          | Technical evaluation team       |
| TES          | Technical evaluation strategy   |

## 2.5 Roles and Responsibilities

All responsibilities have been defined in the Generation Tender Evaluation Procedure (240-168966153).

## 2.6 Process for Monitoring

N/A

## 2.7 Related/Supporting Documents

[8] 240-168966153 Generation Tender Technical Evaluation Procedure

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### 3. TENDER TECHNICAL EVALUATION STRATEGY

#### 3.1 TENDER TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70% as per 240-168966153 Generation Tender Technical Evaluation Procedure. Mandatory Information (as per section 6.1 from BS EN 10217-3)

#### 3.2 TET MEMBERS

| TET member | TET Member Name | Designation |
|------------|-----------------|-------------|
|            |                 |             |
|            |                 |             |
|            |                 |             |
|            |                 |             |

#### 3.3 TENDER RETURNABLES/TECHNICAL SPECIFICATIONS

##### 3.3.1. Proof of previous experience of manufacturing/supplying similar couplings

- To ensure that the supplier has practical capacity and resources to deliver as required.
- To ensure reliable performance which will minimise risks such as delays or cost overruns.
- To verify that the supplier demonstrated the ability to meet required quality, standards and technical specifications.
- The supplier offers value for money rather than just the lowest price, the supplier satisfies non-price criteria such as technical ability and track record.

##### 3.3.2. Standards, Certification & Quality Assurance

- Compliance with relevant international or regional standards for couplings, power transmission etc.
- Quality system certification (e.g. ISO 9001 or equivalent), provide proof
- Test reports: fatigue, balancing, material certificates, dimensional tolerances.
- Warranty terms and projections of lifespan under Kriel operating duty cycle

##### 3.3.3. Quality management system

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- Submit a Signed off Quality Management System (QMS) Policy

#### **3.3.4. Valid proof of workshop Ownership/Lease Agreement**

- Valid proof of ownership or lease agreement must be provided. If other components are subcontracted by the supplier, proof of ownership from the contractor must be provided.
- If the company is a sole agent for the relevant OEM, OEM representative or any other supplier: A letter from the OEM or OEM representative or supplier stating that the third party is a distributor for their equipment.

#### **3.3.5. Method statement**

The tenderer shall submit a detailed methodology of how the tenderer will:

- Supply and deliver order to specification as per the SOW and handle defective material and premature failure of components.
- Perform quality verification.
- Perform safe stock handling and transportation of critical components.
- Provide technical support to Eskom of delivered components as per the SOW in liaising with respective equipment manufacturer.
- Provide a detailed material preservation and storage procedure.

#### **3.3.6. QCPs**

QCPs must be submitted, with clear step-by-step tasks stipulated in the Quality Control Plan. Preferably five historically fully signed-off plans to be submitted/comprehensive new template with all stakeholders to sign-off. Quality control plan (QCP). This must provide assurance in terms of the inclusion of the services of:

- Materials controller
- Quality controller
- Material supervisor

To make sure that all material handling (from purchasing, transportation, packaging to delivery) is done with all safety risks managed using a standardised risk assessments and controls.

Referenced document: 240-105658000: Supplier Quality Management Specification: referred sections/paragraphs:3.4.11, 3.4.12; 3.4.4.be included as minimum.

#### **3.3.7. Proof Of Historical Supply Projects**

The tenderer to submit 5x proof of previous successfully executed supply and delivery works within the last 5 years: Submits proof of order and proof of delivery accepted and stamped by the Client (Any industry). Proof must be in the form of a combination of the following:

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- Valid purchase orders (PO),
- Signed off delivery notes (by supplier and client) associated with purchase order.

#### 3.3.8. Customer satisfaction survey form from previous clients.

The tenderer to submit customer satisfaction survey from previous clients excluding Kriel power station. If no customer satisfaction survey readily available, the tenderer should request feedback from previous clients in writing and submit with the tender documents. This information will be subjected to verification with the supplier's client.

#### 3.3.9. Material Preservation and Storage

The service provider must provide a signed off onsite and offsite storage procedure.

#### 3.3.10. Lead time

The supplier is expected to have reasonable delivery lead times not greater than 12 weeks from the day a purchase order is placed.

### 3.4 Mandatory Technical Evaluation Criteria

|    | Mandatory Technical Criteria Description                                                                                                   | Reference to Technical Specifications/Tender returnable | Motivation for use of criteria                                                        |
|----|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. | Proof that the company/Service Provider owns or in partnership with a workshop/supplier or OEM that can supply/manufacture the components. | 3.3.4                                                   | To ensure constant and reliable supply of quality components at most economical cost. |

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### 3.5 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 submit 5x proof of previous successfully executed supply and delivery works within the last 5 years: Submits proof of order and associated delivery notes accepted and stamped/signed by the Client |                                                          | Section 3.3.8          | 25                         | 25                           | Nothing provided. refer to SOW Spares list                                                                                                                                                               | Submits 1 proof of order and proof of delivery accepted and stamped by the Client                                                   | Submits 3 proof of order and proof of delivery accepted and stamped by the Client                                                                                                                 |
| 1.2                                        | The tender submits a detailed methodology of how the tender shall: <ul style="list-style-type: none"><li>Supply and deliver order to specification as per SOW and handle defective materials and premature failures of components.</li><li>Perform quality verifications.</li></ul> |                                                                                                                                                                                                                     | Section 3.3.1, 3.3. and Section 3.3.7                    | 15                     | 15                         | 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 <ul style="list-style-type: none"><li>Meet technical requirement (s) AND;</li><li>No foreseen technical risk(s) in meeting technical requirements.</li></ul> |
|                                            |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                     |                                                          |                        |                            |                              |                                                                                                                                                                                                          |                                                                                                                                     |                                                                                                                                                                                                   |

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|    | Quality Management System |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Reference to Technical Specification / Tender Returnable | Criteria Weighting (%) | Criteria Sub Weighting (%) | Evaluation Scoring Breakdown   |                                                                                         |                                                                                 |                                                                                                    |
|----|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------|----------------------------|--------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|    |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                        |                            | 0                              | 2                                                                                       | 4                                                                               | 5                                                                                                  |
| 2  | 2.1                       | QCPs must be submitted, with clear step-by-step tasks stipulated in the Quality Control Plan. Preferably five historically fully signed-off plans to be submitted/comprehensive new template with all stakeholders to sign-off. Quality control plan (QCP).                                                                                                                                                                                                                                          | Section 3.3.7                                            | 10                     | 10                         | None                           | Inadequate/Incomplete QCP                                                               | Non-Comprehensive QCP Template                                                  | Tenderers valid ISO Certification is provided. Or An equivalent Quality Management System in Place |
|    |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                        |                            |                                |                                                                                         |                                                                                 |                                                                                                    |
|    | Assurance Requirements    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Reference to Technical Specification / Tender Returnable | Criteria Weighting (%) | Criteria Sub Weighting (%) | Evaluation Scoring Breakdown   |                                                                                         |                                                                                 |                                                                                                    |
|    |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                        |                            | 0                              | 2                                                                                       | 4                                                                               | 5                                                                                                  |
| 3. | 3.1                       | Name, street, and postal address, contact names and telephone numbers of the plant (site of manufacturing, inspection, testing, and release – if any activity is done at a different plant, it must be listed) where the material will be manufactured, must be supplied with the tender submission. Note that Eskom reserves the right to audit the facilities (or arrange for it by a third party). Under no circumstances can material be manufactured elsewhere without Eskom's written approval | OEM Information                                          | 10                     | 10                         | No Information Provided        | -                                                                                       | -                                                                               | Verifiable list of Manufactures provided.                                                          |
|    | 3.2                       | Provide a typical data sheet or data book of a large coupling (Rubber and Bibby). This is to include at least the sizes material and heat treatment certificates, balancing certificate, etc.                                                                                                                                                                                                                                                                                                        | Section 3.3.2                                            | 5                      | 5                          | Not stated in the letter /form | Data sheet or data book with two (2) items (sizes, material certificate, heat treatment | Data sheet or data book with three (3) items (sizes, material certificate, heat | 100% (5): Data sheet or data book with sizes, material and heat treatment certificates , balancing |

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|  |     |                                                             |               |    |    |                                                                                        |                                                                         |                                                                             |                                             |
|--|-----|-------------------------------------------------------------|---------------|----|----|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------|
|  |     |                                                             |               |    |    |                                                                                        | certificat<br>e,<br>balancin<br>g<br>certificat<br>e etc)               | treatmen<br>t<br>certificat<br>es,<br>balancin<br>g<br>certificat<br>e etc) | certificate<br>etc                          |
|  | 3.3 | Customer satisfaction survey form from previous clients 3X. | Section 3.3.8 | 20 | 20 | No Infor<br>matio<br>n<br>Provi<br>ded                                                 | 1X<br>Verifiabl<br>e<br>surveys<br>submitte<br>d                        | 2X<br>Verifiabl<br>e<br>surveys<br>submitte<br>d                            | 3X<br>Verifiable<br>surveys<br>submitted    |
|  | 3.4 | Delivery lead time for the couplings and the other spares   | Section 3.3.5 | 15 | 15 | lead<br>time<br>great<br>er<br>than<br>16<br>week<br>s<br>from<br>PO<br>place<br>ment. | lead time<br>greater<br>than 8<br>weeks<br>but less<br>than 10<br>weeks | lead<br>time<br>greater<br>than 8<br>weeks<br>but less<br>than 7<br>weeks   | lead time<br>less or<br>equal to 6<br>weeks |
|  |     | TOTAL = 100%                                                |               |    |    |                                                                                        |                                                                         |                                                                             |                                             |

| Score | %   | Definition                                                                                                                                                                                                                                                 |
|-------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5     | 100 | <b>Compliant</b> <ul style="list-style-type: none"> <li>Meet technical requirement(s) AND;</li> <li>No foreseen technical risk(s) in meeting technical requirements.</li> </ul>                                                                            |
| 4     | 80  | <b>Compliant with association qualifications</b> <ul style="list-style-type: none"> <li>Meet technical requirement(s) with;</li> <li>Acceptable technical risk(s) AND/OR;</li> <li>Acceptable exceptions AND/OR;</li> <li>Acceptable conditions</li> </ul> |
| 3     | 60  | <b>Partial-Compliant</b> <ul style="list-style-type: none"> <li>Less than 10% outside technical requirement(s)</li> </ul>                                                                                                                                  |
| 2     | 40  | <b>Non-Compliant</b>                                                                                                                                                                                                                                       |

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|                                                                                                                                                                                                                                                            |   |                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                            |   | <ul style="list-style-type: none"> <li>Does not meet technical requirement(s) AND/OR;</li> <li>Unacceptable technical risk(s) AND/OR;</li> <li>Unacceptable exceptions AND/OR;</li> <li>Unacceptable conditions</li> </ul> |
| 0                                                                                                                                                                                                                                                          | 0 | <b>Totally deficient or non-responsive</b>                                                                                                                                                                                 |
| <p><b>Note 1:</b> The scoring table does not allow for scoring of 1</p> <p><b>Note 2:</b> Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.</p> |   |                                                                                                                                                                                                                            |

### 3.6 TET Member Responsibilities for Part 1

Table 5: TET Member Responsibilities for Part

| Mandatory Criteria Number          | TET 1 | TET 2 | TET3  |
|------------------------------------|-------|-------|-------|
| Proof of ownership/relationship    | X     | X     | X     |
| Commitment Letter/Declaration form | X     | X     | X     |
| Qualitative Criteria Number        | TET 1 | TET 2 | TET 3 |
| The 3.1 Material Certificate       | X     | X     | X     |
| Compliance to the Specification    | X     | X     | X     |

### 3.7 Table 6: Acceptable Technical Risks

| Risk | Description |
|------|-------------|
| 1.   | None        |

### 3.8 Table 6: Unacceptable Technical Risks

| Risk | Description                                       |
|------|---------------------------------------------------|
| 1.   | Material Delivery without Certificates/Datasheets |

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2. Material not marked properly and without name tags

#### 4. Acceptance

This document has been seen and accepted by:

| Name | Designation |
|------|-------------|
|      |             |
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#### 5. Revisions

| Date | Rev. | Compiler | Remarks |
|------|------|----------|---------|
| S    |      |          | ion     |

#### 6. Development Team

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

#### 7. Acknowledgements

I Would like to acknowledge Mr Tivane for assisting in compiling this document

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