



**Strategy**

**Engineering**

Title: **Technical Evaluation strategy  
for the supply of gaskets and  
packing for outages**

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## CONTROLLED DISCLOSURE

When downloaded from the EDMS, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

## 1. INTRODUCTION

This document provides the tender technical evaluation criteria for the supply of gaskets and packing for outages

## 2. SUPPORTING CLAUSES

### 2.1 SCOPE

The document covers the Tender Technical Evaluation Strategy for HPWJ cleaning.

#### 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 Group Technology and all other relevant stakeholders that have an affiliation to this specific project including Duvha 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] 559-212255471 SOW for the Supply of gaskets and packing for outages

#### 2.2.2 Informative

N/A

### 2.3 DEFINITIONS

N/A

#### 2.3.1 Classification

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

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## 2.4 ABBREVIATIONS

| Abbreviation | Description        |
|--------------|--------------------|
| EFP          | Electric feed pump |

## 2.5 ROLES AND RESPONSIBILITIES

N/A as per 240-48929482: Tender Technical Evaluation Procedure

## 2.6 PROCESS FOR MONITORING

N/A

## 2.7 RELATED/SUPPORTING DOCUMENTS

None

## 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 1: TET Members**

| TET number | TET Member Name  | Designation       |
|------------|------------------|-------------------|
| TET 1      | Doreen Makena    | Outage Controller |
| TET 2      | Nicolaas Hallatt | Chief Engineer    |
| TET 3      | Thabang Mathibe  | Engineer          |

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### 3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

|    | Mandatory Technical Criteria Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Reference to Technical Specification / Tender Returnable | Motivation for use of Criteria           |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|
| 1. | <p>1. Supplier to supply data sheets for the following gaskets that will be supplied. One example of each is required.</p> <ul style="list-style-type: none"><li>• Sheet – C4324</li><li>• Sheet – Graphite laminate</li><li>• Sheet – Rubber Insertion</li><li>• Spiral Wound gasket</li><li>• Pressure Seal</li><li>• Packing</li></ul> <p>Data sheet needs to include the following:</p> <p><b>Gasket Identification:</b></p> <ul style="list-style-type: none"><li>• Manufacturer name</li><li>• Gasket type or style number (e.g. spiral wound, sheet, ring type joint, etc.)</li><li>• Material composition</li><li>• OEM Part number / gasket identification code</li><li>• Gasket dimensions (OD, ID, thickness, etc.)</li></ul> <p><b>Service Suitability:</b></p> <ul style="list-style-type: none"><li>• Design pressure range</li><li>• Design temperature range</li><li>• Media compatibility</li><li>• Application notes (e.g. suitable for flange class ASME B16.5 CLASS 300, PN16)</li></ul> | Section 4 in [1]                                         | Ensure reliable, experienced contractor. |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  | <p><b>Compliance &amp; Certification:</b></p> <ul style="list-style-type: none"><li>• Conformance to standards: e.g. EN 13555 or</li><li>• ASME B16.20 / B16.21, API 601, DIN 2690 (if applicable).</li><li>• Material certification: EN 10204 type 3.1 or 2.2 (if applicable).</li></ul> <p><b>Performance Data:</b></p> <ul style="list-style-type: none"><li>• Gasket stress: (Qmin, Qsmax) under EN 13555 or ASME gasket factors whichever is applicable.</li><li>• Tightness class under EN 13555</li><li>• Compression and recovery values (ASTM F36)</li><li>• Seal ability (ASTM F37 or DIN 3535)</li></ul> |  |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

### 3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA – PHASE 1 DESKTOP REVIEW

Table 3: Phase 1 - Qualitative Technical Evaluation Criteria

|    | Qualitative Technical Criteria Description                                                                                                                                   | Reference to Technical Specification / Tender Returnable | Criteria Weighting (%) |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------|
| 1. | Provide letter stating where the gaskets will be manufactured. At least 60% must be manufactured locally. This applies to gaskets and packing.                               | Section 4 in [1]                                         | 30                     |
| 2. | ISO 3834-2 welding certification certificate from the company that will manufacture the spiral wound gaskets.                                                                | Section 4 in [1]                                         | 40                     |
| 3. | Provide the manufacturer's gasket testing procedure or philosophy, detailing how the manufactured gaskets are tested for compliance with the applicable governing standards. | Section 4 in [1]                                         | 30                     |
|    |                                                                                                                                                                              |                                                          | <b>TOTAL: 100</b>      |

### 3.5 TET MEMBER RESPONSIBILITIES

Table 4: TET Member Responsibilities

| Mandatory Criteria Number             | TET 1 | TET 2 | TET 3 |
|---------------------------------------|-------|-------|-------|
| 1                                     | X     | X     | X     |
| Qualitative Criteria Number – Phase 1 | TET 1 | TET 2 | TET 3 |
| 1                                     | X     | X     | X     |
| 2                                     | X     | X     | X     |
| 3                                     | X     | X     | X     |

### 3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

#### 3.6.1 Risks

Table 5: Acceptable Technical Risks

| Risk | Description                       |
|------|-----------------------------------|
| 1.   | Local content between 50% and 60% |
| 2.   |                                   |
| 3.   |                                   |

**Table 6: Unacceptable Technical Risks**

| Risk | Description                                                       |
|------|-------------------------------------------------------------------|
| 1.   | Large amount of critical exceptions to scope of work              |
| 2.   | Not all data sheets submitted                                     |
| 3.   | Welding not acceptable in accordance with Eskom welding standards |
| 4.   | Local content below 50%                                           |

### 3.6.2 Exceptions / Conditions

**Table 7: Acceptable Technical Exceptions / Conditions**

| Risk | Description                                   |
|------|-----------------------------------------------|
| 1.   | Full compliance to specification is required. |
| 1.   |                                               |
| 2.   |                                               |

**Table 8: Unacceptable Technical Exceptions / Conditions**

| Risk | Description |
|------|-------------|
| 1.   | N/A         |
| 2.   |             |
| 3.   |             |

#### 4. AUTHORISATION

This document has been seen and accepted by:

| Name          | Designation         |
|---------------|---------------------|
| Ashwin Narsai | Senior Technologist |
|               |                     |
|               |                     |

#### 5. REVISIONS

| Date     | Rev. | Compiler   | Remarks     |
|----------|------|------------|-------------|
| Oct 2026 | 1    | NJ Hallatt | First Issue |

#### 6. DEVELOPMENT TEAM

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

- As above

#### 7. ACKNOWLEDGEMENTS

None

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