Eskom	Strategy	Engineering

Title: **Tender Technical Evaluation Strategy for Maintenance and Supply of Spares for the Compressor Plant**

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Compiled by	Functional Responsibility	Authorised by	Accepted By
.....	.....	.....	.....
C Lentsoe **System Engineer** **Aux Engineering**	**RC Mosehla** **Aux Engineering Manager**	**T Mokgatle** **Engineering Manager**	**Bezi Mvula** **Maintenance Manager**
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TABLES

1. INTRODUCTION

The purpose of this Technical Evaluation Strategy is to define the methodology, criteria, and processes for evaluating tenders for the maintenance and supply of spares for the station's compressor plant. It covers all relevant equipment, including CompAir and BAOFN full-feature screw compressors, centrifugal compressors (rotary screw and TA-series), aftercoolers, filtration systems, and cooling towers forming part of the compressed air generation and conditioning systems. The strategy ensures that all bids are assessed in a transparent, fair, technically sound, and cost-effective manner, in alignment with statutory requirements, OEM recommendations, engineering best practices, and Eskom governance standards.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the technical evaluation with regards to the maintenance of compressor plant and auxiliary systems. The TET members are listed and appointed in this document along with their responsibilities. The document also describes the acceptable and unacceptable risks and qualifications and/or conditions. Once the Technical Evaluation Strategy is authorised no changes will be made to the evaluation criteria without appropriate authorisation.

The purpose of this document is to:

- Define the technical evaluation approach for the procurement of maintenance services and OEM-approved spares for the compressor plant.
- Ensure that the appointed contractor can deliver high-quality maintenance, diagnostics, repairs, and performance optimisation for:
    - Electrical screw compressors (compare/Baofn, L-series)
    - Centrifugal compressors (Cameron TA-series, TA2000, etc.)
    - Auxiliary equipment including:
        - Aftercoolers
        - Air dryers
        - Filtration systems
        - Cooling towers associated with the compressor circuit
- Ensure compliance with the OHS Act, ISO standards, OEM maintenance philosophy, and plant engineering requirements.

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 specification is applicable to the Arnot Power Station compressor plant and covers all associated equipment for a period of four (4) years.

2.2 NORMATIVE/INFORMATIVE REFERENCES

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

2.2.1 Normative

[1] 240-168966153: Generation Tender Technical Evaluation Procedure

[2] ISO 9001 Quality Management Systems

[3] 240-78921684 Process Control Manual (PCM) for Source External Suppliers

[4] 240-44682850 PCM - Provide Engineering During Project Sourcing

[5] 32-1033 Eskom Procurement and Supply Chain Management Policy

[6] 32-1034 Eskom Procurement and Supply Management Procedure

2.2.2 Informative

N/A

2.3 DEFINITIONS

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
TET	Technical Evaluation Team
OEM	Original Equipment Manufacturer
QA/QC	Quality Assurance / Quality Control
TA-Series	Cameron TA-series centrifugal compressors (e.g., TA2000)
L-Series	CompAir L-Series electrical screw compressors (e.g., L55 - L250)

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation.

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tenderer to be considered from a technical perspective is 80%.

Table 1: Qualitative Evaluation Criteria Scoring Table

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. **Note 2**: Foreseen acceptable and unacceptable risk(s), exceptions and conditions shall be unambiguously defined in the relevant Tender Technical Evaluation Strategy.		

3.2 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Clifford Lentsoe	System Engineer (Auxiliary Engineering)
TET 2	Ashely Rivele	Senior Advisor (Auxiliary Engineering)
TET 3	Mkhululi Ncube	System Engineer (Auxiliary Engineering)
TET 4	Moses Mathaba	Auxiliary maintenance Manager
TET5	Mary Maunye	Snr Technologist Engineer

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Warranty Takeover	Contractor demonstrates ability to assume existing or new warranty obligations, including maintenance, repair, and spare supply coverage Letter of confirmation that they will assume the existing and new warrantee	Ensures that the contractor can legally and technically take responsibility for existing or new warranties, protecting the plant against premature failures, poor maintenance practices, and voided manufacturer warranties.
2.	Letter Confirming Supply of OEM CompAir and BAOFN Spares. .	(Contractor must provide a formal letter confirming the ability to supply genuine OEM spares for CompAir and BAOFN screw compressors)	To ensure that the supplier can supply authentic or genuine OEM spares
3	Iso 9001 certification and Iso	Copy of valid ISO 9001:2015 certification	Confirms that the contractor operates a recognized quality management system, ensuring consistency, reliability, and compliance with international quality standards.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	Technical Criteria Description	Reference to Technical Specification / Tender Returnable Criteria Weighting (%)	Criteria Weight (%)	Scoring (0 / 2 / 4 / 5)
1	**Method Statements – Maintenance Approach**	Detailed method statement covering preventive, predictive, and breakdown maintenance strategies, including screw/centrifugal compressors, airends, dryers, filters, cooling systems and diesel engines.	20%	0 = 0% (Not submitted/inadequate) 2 = 40% (Partially compliant) 4 = 80% (Substantially compliant) 5 = 100% (Fully compliant and detailed)
2	**Company Experience**	Supporting documentation required: • Services provided (Elec driven Screw, - Centrifugal & diesel compressors) • Verifiable references • Completion certificates • Evidence of performance and scope	20%	0 = (Not relevant/unverifiable and/or 1 to 3 years) 2 = 3 to 5 years 4 = 6 to 9 years 5 = 10 or more years
3	**Contract Manager**	A minimum of N3 certificate with a trade test post-qualification experience on screw/centrifugal, diesel compressors and cooling systems), CV + verified references.	10%	0 = No Submission and/or 1 to 2 years 2 = 3 to 4 years 4 = 5 to 6 years 5 = 7 or more years
4	**Engineer**	Minimum Degree/B.Tech Mechanical/Mechatronics qualification with proof of certificate, with post-qualification compressor maintenance experience with verifiable references.	10%	0 = Not relevant/unverifiable and/or 0 to 2 years 2 = 3 to 4 years 4 = 5 to 6 years 5 = 7 or more years
5	**Artisan Fitter and Diesel Mechanic**	A Minimum of N3 certificate with trade test with post-qualification compressor maintenance experience, CVs with verifiable references.	10%	0 = 0 to 2 years 2 = 3 years 4 = 4 years 5 = 5 or more years
6	**Multi-Brand Maintenance Capability**	Demonstrate maintenance capability and evidence for multiple compressor brands with verifiable evidence (service contracts, completion certificates).	10%	0 = no submission 2 = 1 Brand 4 = 2 Brands 5 = 3 or more Brands
7	**C&I Technician and Electrician**	Qualified C&I Technician (N3 certificate + trade test) and Electrician (N3 certificate + trade test), with post-qualification compressor maintenance experience, CVs with references	10%	0 = 0 to 2 years 2 = 3 years 4 = 4 years 5 = 5 or more years
8	**Quality Control Process**	Detailed quality control process relevant to the maintenance scope of work and attached quality control plans.	10%	0 = 0% Not submitted/inadequate 2 = 40% (Partially compliant) 4 = 80% (Substantially compliant) 5 = 100% (Fully compliant and detailed)

3.5 TET MEMBER RESPONSIBILITIES

Table 4 identifies the TET members allocated to review/evaluate each Qualitative criterion.

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5
1	X	X	X	X	X
2	X	X	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 4**
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4	X	X	X	X	X
5	X	X	X	X	X
6	X	X	X	X	X
7	X	X	X	X	X
8	X	X	X	X	X

X – Mandatory

3.5.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	• Minor delays in delivery of standard spares, not impacting overall maintenance schedule • Temporary substitution of non-critical personnel with equivalent qualified staff • Minor deviations in maintenance sequence, provided safety and equipment integrity are not compromised

Table 7: Unacceptable Technical Risks

Risk	Description
1.	○ Failure to meet OEM-recommended maintenance procedures or intervals ○ Inability to supply critical OEM spares within required lead times ○ Use of unqualified personnel for critical compressor plant maintenance ○ Any action that may result in compressor or plant downtime beyond acceptable limits

3.5.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	○ Minor deviations in method statements that do not affect safety or reliability ○ Temporary use of alternative approved materials for non-critical components

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	○ Non-compliance with OEM standards for critical components ○ Substitution of unapproved parts or materials for critical compressor systems ○ Any condition that compromises plant safety, reliability, or regulatory compliance

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Ashley Rivele	Senior Advisor (Auxiliary Engineering)	
C Lentsoe	System Engineer	
Mkhululi Ncube	System Engineer (Auxiliary Engineering)	
Moses Mathaba	Auxiliary maintenance Manager	
Mary Maunye	Snr Technologist Engineer	

5. REVISIONS

Date	Rev.	Compiler	Remarks
December 2025	00	C Lentsoe	This document serves as the Technical Evaluation criteria for the Maintenance and Supply of Spares for the Compressor Plant

6. DEVELOPMENT TEAM

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

7. ACKNOWLEDGEMENTS

N/A