

 Eskom	Strategy	Engineering
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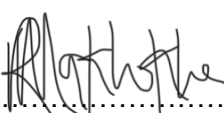
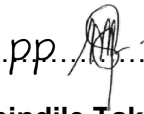
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Compiled by	Supported by:	Functional Responsibility	Authorised by
			
Rendani Makhokha System Engineer	Thulebona Mahlaba Manager Boiler Maintenance (Acting)	Nonhlanhla Khumalo Boiler Plant Engineering Manager (Acting)	Phindile Takane Engineering Manager
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CONTENTS

	Page
1. INTRODUCTION	4
2. SUPPORTING CLAUSES.....	4
2.1 SCOPE	4
2.1.1 Purpose	4
2.1.2 Applicability.....	4
2.2 NORMATIVE/INFORMATIVE REFERENCES.....	4
2.2.1 Normative	4
2.2.2 Informative	4
2.3 CLASSIFICATION	5
2.4 DEFINITIONS	5
2.4.1 Classification	5
2.5 ABBREVIATIONS.....	5
2.6 ROLES AND RESPONSIBILITIES	5
2.7 PROCESS FOR MONITORING	5
2.8 RELATED/SUPPORTING DOCUMENTS.....	5
3. TENDER TECHNICAL EVALUATION STRATEGY AND SCOPE	6
3.1 TECHNICAL EVALUATION THRESHOLD AND TUBING MATERIAL	6
3.2 TET MEMBERS.....	6
3.3 CRITERIA.....	7
3.3.1 Mandatory Technical Evaluation Criteria.....	7
3.3.2 Qualitative Technical Evaluation Criteria for Part 1.....	8
3.3.3 TET Member Responsibilities for Part 1	11
3.4 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS.....	11
3.4.1 Risks.....	11
3.4.2 Exceptions / Conditions	12
4. AUTHORISATION	13
5. REVISIONS	13
6. DEVELOPMENT TEAM	13
7. ACKNOWLEDGEMENTS	13

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TABLES

Table 1: TET Members 6
Table 2: Qualitative Technical Evaluation Criteria Scoring Matrix..... 7
Table 3: Qualitative Technical Evaluation Criteria for Part 1 9
Table 4: TET Member Responsibilities for Part 1 11

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1. INTRODUCTION

This document details the technical evaluation strategy for the supply of labor, tools, equipment, consumables, supervision, management, logistics, and support services for Repair and Maintenance of the sootblowing system at Kendal Power Station for a duration of 5 years.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document discusses the different technical aspects that will be evaluated and scored by the multi-disciplinary Technical Evaluation Team (TET) for the supply of the supply of labor, tools, equipment, consumables, supervision, management, logistics, storage and support services for Repair and Maintenance of the sootblowing system at Kendal Power Station for a duration of 5 years on a “as-and-when” required basis.

The team members who will be involved in the evaluation are listed and appointed in this document along with their responsibilities. This document also describes the acceptable and unacceptable risks and qualifications and/or conditions that will be applicable to the maintenance services contract scope of work. Once the Technical Evaluation Strategy is authorized, no changes will be made to the evaluation criteria without the appropriate authorizations.

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 shall apply to Kendal 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] 240-168966153 Generation Tender Technical Evaluation Procedure
- [2] Quality Standard ISO 9001:2008

2.2.2 Informative

- [3] 240-105658000: Supplier Quality Management Specification
- [4] BS EN 10204:2004 Metallic Products: Types of Inspection Documents
- [5] Supplier Contract Quality Requirements Specifications QM-58
- [6] *1023822 Kendal outage Philosophy
- [7] Generation Division Project Management Policy 36-667
- [8] Plant Asset Management Directive 36-40
- [9] Generation Project Execution Model and Reference Book (Project Model) Manual 36-155
- [10] Project and Outage Risk Management Guideline 36-300
- [11] Accounting for Property, Plant and Equipment 36-226

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- [12] Completion of Power Plant Projects, Take-over from Contractors and Hand-over to the Generation Business Standard 32-365
- [13] *1017374 Kendal Quality Manual
- [14] *1017357 Non-Conformance, Corrective and Preventive Action
- [15] *1017401 Integrated Risk Management
- [16] *1017482 Control and Approval of Quality Plan
- [17] *1017483 Control of Monitoring and Measuring Equipment
- [18] *1019284 Personal Protective Equipment Procedure
- [19] *1015807 SANS OHAS 18001:2011 Management System
- [20] *1017372 Occupational Health and Safety Hazard Identification
- [21] Welding of High Pressure, Temperature Standard 240-56355225
- [22] *1017348 Kendal Power Station Competence, Training and Awareness

2.3 CLASSIFICATION

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

2.4 DEFINITIONS

Definition	Description
Contractor	In the context of this document, the “Contractor” will be regarded as the service provider who is authorized by the station to execute the specific work contained in this document.
Employer	In the content of this document, the employer will be regarded as the Eskom power plant receiving the service from the contractor

2.4.1 Classification

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

2.5 ABBREVIATIONS

Abbreviation	Description
PS	Power Station
TET	Technical Evaluation Team
QMS	Quality Management System
QCP	Quality Control Plan
PO	Purchase Orders

2.6 ROLES AND RESPONSIBILITIES

As per 240-168966153 Generation Tender Technical Evaluation Procedure

2.7 PROCESS FOR MONITORING

N/A

2.8 RELATED/SUPPORTING DOCUMENTS

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N/A

3. TENDER TECHNICAL EVALUATION STRATEGY AND SCOPE

3.1 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.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Ndumiso Mzobe	Manager, Boiler Maintenance
TET 2	Funzeani Tshikalange Pr.Eng	Engineer, Kendal Boiler Engineering
TET 3	Thulebona Mahlaba	Manager, Boiler Maintenance
Moderator	Nonhlanhla Khumalo	Manager, Kendal Boiler Engineering

3.3 Mandatory Technical Evaluation Criteria

- N/A

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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

Table 2: Qualitative Technical Evaluation Criteria Scoring Matrix

Criteria Number	Score Percentage Description
2, 4, 1, and 5	5 (100% of weight) COMPLIANT • Meet technical requirement(s) AND; • No foreseen technical risk(s) in meeting technical requirements. 4 (75% of weight) COMPLIANT WITH ASSOCIATED QUALIFICATIONS • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions. 2 (40% of weight) NON-COMPLIANT • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions. 0 (0% of weight) TOTALLY DEFICIENT OR NON-RESPONSIVE
3	3.1 Qualifications (Total = 40%) <u>Site Manager</u> - Does not have the required minimum qualification – 0% - Has the required minimum qualification – 8% <u>Quality Control Inspector</u> - Does not have the required minimum qualification – 0%

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	- Has the required minimum qualification – 8% <u>Supervisors</u> - Supervisors without the requires minimum qualification – 0% - One Supervisor with the required minimum qualifications – 16% <u>Semi-skilled fitters</u> - Semi-skilled fitters with no minimum required qualifications – 0% - At least five semi – skilled with the required minimum qualifications (or experience) – 8% 3.2 Related Experience (Total = 60%) <u>Site Manager</u> - Site Manager related experience < 3 years – 0% - Site Manager experience ≥ to 3 years– 12% <u>Quality Control Inspector</u> - No Related experience for Quality Control Inspector – 0% - Related experience for Quality Control Inspector ≥ 3 years – 12% <u>Supervisors</u> - Supervisor related experience less than 5 years – 0% - one Supervisor with related experience ≥ 5 years – 24% <u>Semiskilled fitters</u> - Less than 5 semi-skilled fitters with the required minimum experience – 0% - At least 5 semi-skilled fitters with the required minimum experience – 12%
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3.6 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria for Part 1

Qualitative Technical Criteria	Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1. Experience Demonstrated experience in sootblower inspection, maintenance, overhaul, repair, replacement, refurbishment, testing and recommissioning activities in power stations	1.1 Company's Past Experience for Similar Work Scoring: ≥ 4 previous projects = 5; 2–3 previous projects = 4; 1 previous project = 2; Non-responsive = 0.	Submit evidence of completed sootblower repair, replacement, overhaul or similar boiler auxiliary maintenance projects. Submit completion certificates, award letters, contracts, purchase orders, client references and supporting documentation.	25%	10%
		Reference Letter with contact details from previous contract manager detailing performance and conduct		10%
	1.2 Project Management and Resource Planning Scoring: All required documentation submitted and comprehensive = 5; Almost all documentation submitted and partially comprehensive = 4; Partially submitted and not comprehensive = 2; Non-responsive = 0.	Submit previous project activity programme in Gantt Chart format showing milestones and project organogram. Submit manpower deployment plan indicating resources, responsibilities and duration of activities for full SOW execution.		5%

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Qualitative Technical Criteria	Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
2. Technical Resources and Key Personnel Availability of suitably qualified and experienced personnel to execute the scope of work. Certified qualifications, ID copies and experience records.	Qualifications of Key Personnel.	Minimum resource requirements to include the following: • Site Manger N6/National Diploma (Mechanical Engineering) as a minimum. • X 1 Quality Control Inspector with an N6/National Diploma or equivalent and QC certification as a minimum. • X 1 Supervisors with a supervision qualification. • X 9 Semi-skilled sootblower workers with Grade 10 and 5-years' experience as a minimum. Note: All CV's to be accompanied with valid certified copies of Identity Documents and proof of qualifications that are clear and readable.	25%	10%
	Site Manager Experience.	Minimum 5 years related experience. CV and project experience records.		4%
	Quality Control Inspector Experience.	Minimum 5 years related experience. CV and supporting experience records.		4%
	Supervisor Experience.	Minimum 5 years related experience. CV and supporting experience records.		3%

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Qualitative Technical Criteria	Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
	Semi-skilled Workers Experience.	Minimum 5 years sootblower/HP steam related experience (Grade 10) or 3 years related experience (N3). Personnel to include Riggers, Boilermakers, Mechanical Fitters, Electricians and C&I Personnel.		4%
3. Quality Assurance and Quality Control (QA/QC) Demonstrated ability to implement and maintain an effective Quality Management System and project-specific Quality Control requirements in accordance with Eskom quality standards. Quality Control Plans to comply with Eskom Standard 240-105658000 or latest applicable Eskom quality requirements.	Quality Management System (ISO 9001 or equivalent).	Valid certification and quality manual.	20%	5%
	Quality Control Plan (QCP), Inspection and Test Plans (ITPs).	Project-specific QCPs and ITPs compliant with Eskom requirements.		10%
	NDT Procedures, Calibration Control and Quality Records Management.	Supporting procedures, calibration certificates and sample quality records.		5%
4. Tools, Equipment and Workshop Facilities Availability of tools, testing equipment, workshop facilities and resources required to execute the scope of work.	Workshop Facilities and Refurbishment Capability.	Workshop profile, photographs and facility description.	15%	5%
	NDT, Pressure Testing and Thickness Testing Equipment.	Equipment register and valid calibration certificates.		5%
	Site Tools, Lifting Equipment and Logistics Support.	Equipment schedule, lifting equipment register and resource plan.		5%

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Qualitative Technical Criteria	Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
5. Technical Methodology and Execution Plan Demonstrated understanding of the scope and methodology for inspection, dismantling, testing, repairs, refurbishment, reassembly, recommissioning and reporting.	Inspection and Defect Identification Methodology.	Technical proposal.	15%	5%
	Repair, Refurbishment and Overhaul Methodology.	Technical proposal.		5%
	Recommissioning and Testing Methodology.	Technical proposal.		5%
TOTAL			100	
OVERALL MINIMUM THRESHOLD FOR QUALIFICATION			70	

3.4.1 TET Member Responsibilities for Part 1

Table 4: TET Member Responsibilities for Part 1

Mandatory Criteria Number	TET 1	TET 2	TET 3
N/A			
Qualitative Criteria Number	TET 1	TET 2	TET 3
1.	X	X	X
2.	X	X	X
3.	X	X	-
4.	X	X	X
5.	X	X	X

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6. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Nonhlanhla Khumalo	Kendal Boiler Engineering Line Manager
Phindile Takane	Kendal Acting Engineering Manager

7. REVISIONS

Date	Rev.	Compiler	Remarks
June 2025	00	R Makhokha	New document compilation
June 2026	01	TH Mahlaba	Qualitative criteria edited

8. DEVELOPMENT TEAM

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

- Rendani Makhokha
- Thulebona Mahlaba

9. ACKNOWLEDGEMENTS

- N/A

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