
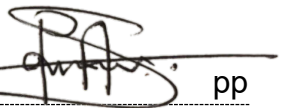


	<b>Scope of Work</b>	<b>Camden Power Station</b>
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Title: **Tender Technical Evaluation Strategy for Boiler Auxiliary Maintenance Procurement**
 Document Identifier: **229-T2571**  
 HBS / Functional Location (Technical Docs):  
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Compiled by	Supported by	Functional Responsibility	Accepted by
	 pp		
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Date: 01/10/2025	Date: 07.10.2025	Date: 07/10/2025	Date: 08/10/2025

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## **1. Introduction**

This document outlines the technical requirements for Camden Power Stations, aimed at establishing a maintenance contract for boiler auxiliaries over a four (4) year term. This tender technical evaluation strategy document outlines the methodology and criteria for evaluating proposals received, ensuring a thorough and transparent procurement process.

## **2. Supporting Clauses**

### **2.1 Scope**

The scope encompasses technical requirements for the Mechanical maintenance, Plant inspections, and defects correction on the Boiler Auxiliaries, including Control Valves, Isolation Valves, Transmitter Valves, Sootblowers, Boiler Drum, Pulverized Fuel Burners, and the sealing trough.

### **2.2 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 the basis for the tender technical evaluation process.

### **2.3 Applicability**

This document shall apply throughout Camden Power Station more specific to the Boiler Maintenance and Boiler Engineering Departments.

### **2.4 Effective date**

The effective date remains the date that the document is signed for Authorisation when compliance to the document requirements shall have been established and implemented.

#### **2.4.1 Normative References**

Parties using this document shall use the most recent editions of the documents listed in this section.

- [1] Occupational Health and Safety Act 85 of 1993 (OHS-Act)
- [2] Pressure Equipment Regulations (PER)
- [3] ISO 9001: Quality Management Systems.
- [4] QM 58: Supplier Contract Quality Requirements Specification
- [5] 240-48929482: Tender Technical Evaluation Procedure
- [6] 229-T2540: Boiler Auxiliaries Maintenance Contract Scope of Work
- [7] 240-168966153: Generation Technical Tender Evaluation Procedure Rev 1

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## 2.4.2 Informative References

[1] 240-83539994: Standard for Non-Destructive Testing (NDT) on Eskom Plant

## 2.5 Definitions

Maintenance:	Performance monitoring, Repair, and replacement of components to ensure the reliable operation of the plant and conformance to statutory requirements. This includes engineering
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## 2.6 Disclosure Classification

Controlled Disclosure

## 2.7 Abbreviations

Abbreviation	Explanation
PF	Pulverised fuel
CIDB	Construction Industry Development Board
CV	Curriculum Vitae
TET	Technical Evaluation Team
MW	Megawatt
NQF	National Qualifications Framework

## 2.8 Roles and Responsibilities

As per 240-48929482: Tender Technical Evaluation Procedure

## 2.9 Process for Monitoring

N/A

## 3. Tender Technical Scope of Work

### 3.1 Technical Evaluation Threshold

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80% for each of desktop and site assessment reviews.

### 3.2 TET Members

The full-time core technical evaluation team that will be reviewing the Sootblower Maintenance Contract/ Procurement process will consist of the team members in table 1 (in-line with Technical Evaluation Procedure 240-48929482):

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TET number	TET Member Name	Designation
1 – Core	Velaphi Vilakazi	Senior Boiler Engineer
2 – Core	Kampamba Chanda	Boiler System Engineer
3 – Core	Tshilidzi Khwashaba	Outages Coordinator
4 – Core	Nkosinathi Khumalo	Snr Mechanical Supervisor
5 – Core	Bongani Mashaba	Senior Common Plant Engineer

### **3.3 Mandatory Technical Evaluation Criteria**

The information listed in table 3 below must be included in the tender submission. Failure to supply the information will result in automatic disqualification of the tenderer.

	<b>Mandatory Technical Criteria Description</b>	<b>Reference to Technical Specification / Tender Returnable</b>	<b>Motivation for use of Criteria</b>
1.	The tenderer must have experience in the maintenance of Boiler Auxiliaries (Valves, Sootblowers, PF burners and Ash box). at fossil fired boilers producing >60MW (in line with the scope above) for a minimum combined period of greater or equals to 36 months.	Documented proof provided (YES/NO?)	This will ensure that the contractor can perform the required maintenance.
2.	The Contractor shall ensure that its employees are authorised in terms of the Plant Safety Regulations (PSR) and can take their own plant permits. The contractor must provide a minimum of 2 Boiler PSR authorisation certificates.	Documented proof provided (YES/NO?)	To ensure that contractor can start work immediately and can take permit to work. To show that the contractor understands ESKOM's permits system.
3	CIDB Level 8 ME or higher	Submit CIDB Certificate that will be verified with the grading authority.	To make sure that the contractor has a good track record of executing projects.

All TET members shall independently evaluate and score each Mandatory Evaluation Criteria for each tenderer in accordance with the table 3 above:

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### 3.4 Qualitative Technical Evaluation Criteria

During the tender evaluations the following table 4 shall be used by the TET members to score each criterion.

Tenderers are advised to make reference to Appendix A: Detailed Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
Q1	Criteria 1: Technical		25	
	1. Procedures needed to execute scope:  <i>(Score each item separately and then calculate an average final score)</i>	1.1) Quality Control Plan - provide a typical example for the maintenance repair activity i.e., overhauling of a valve		25
		1.2) Soot blower Commissioning procedure (Provide example with all key activities)		25
		1.3) Valve overhauling procedure (any valve type – submit 1 detailed procedure)		25
		1.4) Inspection Check sheet for live inspections (Preventive Maintenance). - One for sootblowers - One for valves.		25
Q2	Criteria 2: Tools		15	

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	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
	2. Tools/ Equipment	2.1) List of rigging equipment		40
		2.2) Comprehensive list of all tools required to execute all maintenance (1 List for sootblowers and 1 list for valves) 2 equipment list in total.		40
		2.3) Evidence of Calibrated Torque Wrench (1000Nm Max torque)		20
Q3	CRITERIA 3: PROJECT MANAGEMENT		15	
	3. Project plan/schedule	3.1) Integrated level 2 programme for previous projects/contracts (outages)		35
		3.2) Project risk assessment and mitigation for previous projects/ contracts		35
		3.3) Site organograms for previous project.		30

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	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
Q4	CRITERIA 4: INDUSTRY INVOLVEMENT		<b>25</b>	
	4. Proof of years involved in the maintenance of Boiler Auxiliaries on fossil fired boilers (list of works executed over the period)	5.1) Experience on maintenance of Valves – submit signed letter of Recommendation.		<b>50</b>
		5.2) Experience on maintenance of sootblowers – submit signed letter of Recommendation		<b>50</b>
Q5	CRITERIA 5: RESOURCES TO EXECUTE SCOPE		<b>20</b>	
	5. Ability of Tenderer to execute scope – MANPOWER <i>Copies of CV's for key personnel with certified qualifications and related experience.</i>	5.1) Site Manager - To be in possession of Minimum National Diploma (Engineering) <b>OR</b> Grade 12 with supervisory/project management certification (NQF 6) AND 2 years relevant experience.		25
		5.2) Supervisors To be in possession of Mechanical Fitter Trade Test plus 2 years' experience after obtaining trade test plus be PSR authorised.		25

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	Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
		5.3) Quality inspectors (QC) - Must have QC Certification (Level 2 Inspector) and minimum 2 years' experience		25
		5.4) Semi-skilled assistants – submit 1 CV 5.5) Safety Officer – Submit 1 CV		<b>25</b>

**Note:** All TET members shall independently evaluate and score each Qualitative Evaluation Criteria for each tenderer in accordance with the table 4 above

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### 3.5 TET Member Responsibilities




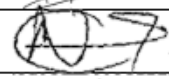

Key: O = Optional  
X = Mandatory

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
3	X	X	X	X	X

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
4	X	X	X	X	X
5	X	X	X	X	X

### 4. Authorisation

This document has been seen and accepted by:

Name	Designation	Signature
Velaphi Vilakazi	Senior Boiler Engineer	
Kampamba Chanda	Boiler System Engineer	
Tshilidzi Khwashaba	Outages Coordinator	
Nkosinathi Khumalo	Senior Mechanical Supervisor	
Bongani Mashaba	Senior Common Plant Engineer	

### 5. Revisions

Date	Rev.	Compiler	Remarks
May 2020	00	V Vilakazi	First Issue
February 2024	01	K Chanda	Revised qualitative technical criteria
October 2025	02	K Chanda	<ul style="list-style-type: none"><li>Updated Mandatory Criteria 3</li><li>Increased minimum experience to 36 months</li><li>Contract duration now 48 months</li><li>Added Maintenance manager signature</li></ul>

### 6. Development Team

Kampamba Chanda

Velaphi Vilakazi

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## Appendix A

Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	SCORE SCALE			
				Floor	Kick in	Average	Ceiling
Criteria 1: Technical		25		0=0%	2=40%	4=80%	5=100%
2. Procedures needed to execute scope:  (Score each item separately and then calculate an average final score)	1.1) Quality Control Plan - provide a typical example for the maintenance repair activity i.e., overhauling of a valve		25	No submission or incomplete plan.	Basic plan provided, missing key elements.	Sufficient plan with minor deficiencies.	Comprehensive plan covering all aspects of quality control.
	1.2) Soot blower Commissioning procedure (Provide example with all key activities)		25	No submission or incomplete procedure.	Basic procedure provided, missing key activities.	Procedure covers necessary activities with minor gaps.	Detailed procedure addressing all commissioning activities.
	1.3) Valve overhauling procedure (any valve type – submit 1 detailed procedure)		25	No submission or incomplete procedure.	Basic procedure provided, missing key steps.	Procedure covers overhauling process adequately.	Comprehensive procedure covering all aspects of valve overhauling.
	1.4) Inspection Check sheet for live inspections (Preventive Maintenance). - One for sootblowers - One for valves.		25	No submission or incomplete check sheets.	Check sheets provided but lack detail or specificity.	Check sheets cover essential inspection points adequately.	Detailed check sheets covering all critical inspection points.
Criteria 2: Tools		15		0=0%	2=40%	4=80%	5=100%
2. Tools/ Equipment	2.1) List of rigging equipment		40	No submission or incomplete list.	Partial list of rigging equipment provided.	Comprehensive list of rigging equipment.	Detailed list of rigging equipment with specifications.
	2.2) Comprehensive list of all tools required to execute all maintenance (1 List for sootblowers and 1 list for valves) 2 equipment list in total.		40	No submission or incomplete tool list.	One list submitted	Two lists submitted with certain findings	Detailed list of all tools.
	2.3) Evidence of Calibrated Torque Wrench (1000Nm Max torque)		20	No evidence	Torque wrench evidence submitted, no calibration certificate	Evidence submitted, calibration certificate, not 1000Nm	Evidence submitted, calibration certificate, 1000Nm
CRITERIA 3: PROJECT MANAGEMENT		15		0=0%	2=40%	4=80%	5=100%
3. Project plan/schedule	3.1) Integrated level 2 programme for previous projects/contracts (outages)		35	No submission or incomplete project plan.	Basic project plan provided, lacking detail or milestones.	Detailed project plan outlining activities and timelines.	Comprehensive project plan with clear milestones and deliverables.

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Qualitative Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	SCORE SCALE			
				Floor	Kick in	Average	Ceiling
	3.2) Project risk assessment and mitigation for previous projects/ contracts		35	No submission or incomplete risk assessment.	Basic risk assessment provided, lacking depth or mitigation strategies.	Comprehensive risk assessment with mitigation strategies.	Detailed risk assessment covering all potential risks and effective mitigation strategies.
	3.3) Site organograms for previous project.		30	No submission or incomplete organograms.	Basic organograms provided, lacking detail or clarity.	Organograms detailing site personnel structure.	Detailed organograms with clear reporting lines and roles.
CRITERIA 4: INDUSTRY INVOLVEMENT		25		0=0%	2=40%	4=80%	5=100%
4. Proof of years involved in the maintenance of Boiler Auxiliaries on fossil fired boilers (list of works executed over the period)	5.1) Experience on maintenance of Valves – submit signed letter of Recommendation.		50	No experience	0 – 1 Years	1 – 2 years	Greater than 2 years
	5.2) Experience on maintenance of sootblowers – submit signed letter of Recommendation		50	No experience	0 – 1 Years	1 – 2 years	Greater than 2 years
CRITERIA 5: RESOURCES TO EXECUTE SCOPE		20		0=0%	2=40%	4=80%	5=100%
5. Ability of Tenderer to execute scope – MANPOWER <i>Copies of CV's for key personnel with certified qualifications and related experience.</i>	5.1) Site Manager - To be in possession of Minimum National Diploma (Engineering) OR Grade 12 with supervisory/project management certification (NQF 6) AND 2 years relevant experience.		25	Site manager lacks required qualifications and experience.	Site manager possesses some qualifications or experience but does not meet all criteria.	Site manager meets most of the qualifications and experience criteria	Site manager fully meets all qualifications and experience criteria.
	5.2) Supervisors To be in possession of Mechanical Fitter Trade Test plus 2 years' experience after obtaining trade test plus be PSR authorised.		25	Supervisors lack required qualifications and experience.	Supervisors possess some qualifications or experience but do not meet all criteria.	Supervisors meet most of the qualifications and experience criteria.	Supervisors fully meet all qualifications and experience criteria.
	5.3) Quality inspectors (QC) - Must have QC Certification (Level 2 Inspector) and minimum 2 years' experience		25	Quality inspectors lack required QC certification and experience.	Quality inspectors possess some certification or experience but do not meet all criteria.	Quality inspectors meet most of the certification and experience criteria.	Quality inspectors fully meet all certification and experience criteria.
	5.4) Semi-skilled assistants – submit 1 CV 5.5) Safety Officer – Submit 1 CV		25	Evaluation based on completeness and qualifications of submitted CVs for key personnel			

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