

	Strategy	Camden Power Station
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Title: **Tender Technical Evaluation Strategy for Maintenance of diesel engines for 60 months in Camden Power Station**

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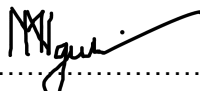
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1. INTRODUCTION

Camden Power station has mobile and fixed diesel engines which are used to power various pumps and generators. These engines are critical for uninterrupted operation of the power station as they are utilized for normal operations and emergencies. Contractors are required by Camden Power Station to provide maintenance services for the diesel engines for 60 months. This Technical Tender Evaluation Strategy outlines the method and criteria that will be used to evaluate the tender submissions.

2. SUPPORTING CLAUSES

2.1 SCOPE

This section outlines the purpose and applicability of this Technical Tender Evaluation Strategy for maintenance and repair of diesel engines in Camden Power Station.

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 technical tender evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document shall apply to Camden Power Station.

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent revision of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] ISO 9001: Quality Management Systems
- [2] 32 – 1034: Eskom Procurement and Supply Chain Management Procedure
- [3] 240 - 168966153: Generation Tender Technical Evaluation Procedure
- [4] 229 – T2713: Maintenance of Diesel Engines for 60 Months in Camden Power Station Scope of Work
- [5] 240 – 97052302 Maintenance, repair, and service of diesel engines

2.2.2 Informative

- [1] 240 – 156280553 Procedure for signing documentation electronically using the Eskom Electronic Signing System

2.3 DEFINITIONS

Table 1 below shows the definition of terms used in this document.

Table 1: Definition of terms used in this document that might cause confusion.

Term	Definition
Contractor	Company rendering service to Eskom Holdings SOC Ltd (Camden Power Station)
Employer	Eskom Holdings SOC Ltd (Camden Power Station).
Enquiry	Refers to written or electronic documents which describe the business need for goods / works/ services that invite suppliers to submit a quote or tender (bid) to meet the business need. This includes competitive and non-competitive enquiries.
Tender	Refers to a written or electronic offer, tender, bid, quotation, or proposal made by a supplier, in a prescribed form according to the issued enquiry, for the provision of assets, goods, works or services, and/or disposals (Investment Recoveries).
Engineering Discipline	Referring to the Engineering Disciplines such as Electrical, Control and Instrumentation, Mechanical, Chemical etc., but also to specialized technical plant areas such as boiler, turbine, materials handling, auxiliary plant etc.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
CV	Curriculum Vitae
QCTO	Quality Council for Trades and Occupations
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

This section outlines roles and responsibilities of departments involved in the maintenance of diesel engines.

2.5.1 Auxiliary Engineering

- Compile the Technical Tender Evaluation Strategy and set-up contract as per terms set out in the scope of work.
- Evaluate tender submissions from the contractors and compile tender technical evaluation report.
- Develop and update maintenance strategy.

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2.5.2 Auxiliary Maintenance

- Evaluate tender submissions from the contractors.
- Supervise the contractor executing diesel engine planned plant maintenance and repairs.
- Ensure preventative maintenance is performed by the contractor as per the maintenance strategy and schedule.
- Compile and update work packages for maintenance activities of diesel engines.
- Ensure the PM is handed back to the planner after execution of work for data capturing.

2.5.3 Operating Department

- Report all defects found during testing and visual inspection of the engines.

2.5.4 Contractor

- Submit their applications as per the employer's requirements.
- Adhere to all employer's standards and procedures.
- Execute the Scope of Work as per the Scope of Work documents 229-T2713.

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 tender to be considered from a technical perspective is 70%. Table 2 shows qualitative evaluation criteria scoring.

Table 2: Qualitative Evaluation Criteria Scoring

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

3.2 ACCEPTABLE CERTIFIED DOCUMENTS

Copies of evidence shall be certified as a true copy of the original by a Commissioner of Oaths, with signature and date not older than three months from the date of tender close. The Commissioner of Oaths must write down or stamp that he/she certifies that the document is a true copy of the original document and that there are no indications that the original document has been altered by unauthorized person.

3.3 TET MEMBERS

Table 3: TET Members

TET number	TET Member Name	Designation
TET 1	[REDACTED]	Auxiliary Engineering System Engineer
TET 2	[REDACTED]	Auxiliary Maintenance Senior Technician

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3.4 MANDATORY TECHNICAL EVALUATION CRITERIA

In Table 4 define all Mandatory Evaluation Criteria to be used as well as reference to specification and motivation for Criteria use.

Table 4: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Qualified diesel mechanic trade test certificate.	Valid copy of at least 1 diesel mechanic trade certificate approved by QCTO. Disclaimer: Suppliers meeting technical evaluation minimum threshold will be requested to submit a certified copy of the diesel mechanic trade certificate (certificate must be for the diesel mechanic in the submission) within a stipulated period.	The contractor shall have at least 1 qualified diesel mechanic who will be responsible for the maintenance work performed on employer's engines.

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3.5 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 5: Qualitative Technical Evaluation Criteria

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	SCORE SCALE			
					FLOOR	KICK IN	AVERAGE	CEILING
					0 = 0%	2 = 40%	4 = 80%	5 = 100%
1.	TECHNICAL		50					
1.1	Dynamometer	Provide proof of ownership or letter of intent/agreement with a thirdparty for dynamometer.		10	No proof of ownership or letter of intent/agreement	N/A	N/A	proof of ownership or letter of intent/agreement submitted
1.2	Dynamometer calibration	Provide the dynamometer valid calibration certificate.		5	No calibration certificate submitted	N/A	N/A	Calibration certificate submitted
1.3	Dyno tests	Provide a minimum of 5 dyno test reports or certificates of previously performed dyno tests.		5	No dyno test reports or certificates of previously performed dyno tests submitted.	2 dyno test reports or certificates of previously performed dyno tests submitted.	3 or 4 dyno test reports or certificates of previously performed dyno tests submitted.	5 or more dyno test reports or certificates of previously performed dyno tests submitted.
1.4	QCP	Provide QCP developed and signed by QC personnel specific to previously executed industrial diesel engine maintenance work.		15	No QCP submitted or generic QCP not specific to maintenance of industrial diesel engines submitted.	N/A	N/A	QCP is specific to maintenance of industrial diesel engines submitted.

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	1.5	Maintenance strategy	Provide a detailed maintenance strategy for industrial diesel engines which includes but not limited to: - Preventative maintenance - Breakdown repair strategy - Identification of critical components.		15	No maintenance strategy submitted or generic maintenance strategy not specific to industrial diesel engines submitted	Maintenance strategy submitted with only 1 of the following: - Preventative maintenance - Breakdown repair strategy Identification of critical components.	Maintenance strategy submitted with only 2 of the following: - Preventative maintenance - Breakdown repair strategy - Identification of critical components.	Maintenance strategy submitted with all 3 of the following: - Preventative maintenance - Breakdown repair strategy - Identification of critical components.
2.	EMPLOYEES EDUCATION AND EXPERIENCE			25					
	2.1	Qualified diesel mechanic experience	Submit CV with references showing the diesel mechanic experience in maintenance of industrial diesel engines. The diesel mechanic must have a minimum of 5 years experience. NB: The CV must be accompanied with diesel mechanic trade test certificate requested in the mandatory requirements for this sub - criteria to be evaluated.		25	No CV submitted	Proof of 2 years experience on submitted CV.	Proof of 3 or 4 years experience on submitted CV.	Proof of 5 or more years experience on submitted CV.

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3.	INDUSTRY INVOLVEMENT			25					
	3.1	Purchase orders and job cards/work orders	Provide a minimum of 5 verifiable purchase orders for maintenance of industrial diesel engines work previously completed. The purchase orders submitted must be accompanied by proof that the work was executed and completed such as a job card/work order/completion certificate (or any equivalent document) signed by both contractor and client. NB: The submitted proof must be verifiable and must contain the following information: • Client contact details. • Order Number • Execution date		25	No completed orders submitted	Proof of 2 completed purchase orders submitted.	Proof of 3 or 4 completed purchase orders submitted	Proof of 5 or more completed orders submitted.
				TOTAL: 100					

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3.6 TET MEMBER RESPONSIBILITIES

Table 6: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2
1.	X	X
Qualitative Criteria Number	TET 1	TET 2
1.	TECHNICAL	
1.1	X	X
1.2	X	X
1.3	X	X
1.4	X	X
1.5	X	X
2.	EMPLOYEES EDUCATION AND EXPERIENCE	
2.1	X	X
3	INDUSTRY INVOLVEMENT	
3.1	X	X

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3.7 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.7.1 Risks

Table 7: Acceptable Technical Risks

Risk	Description
1.	None.

Table 8: Unacceptable Technical Risks

Risk	Description
1.	No experience in maintenance of industrial diesel engines.

3.7.2 Exceptions / Conditions

Table 9: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None

Table 10: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Submission not conforming to the employer's minimum requirements.
2.	Deviation from the employer's scope of work without the employer's approval.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
[REDACTED]	System Engineer Auxiliary Engineering	
[REDACTED]	Senior Technician Auxiliary Maintenance	

5. REVISIONS

Date	Rev.	Compiler	Remarks
October 2024	01	[REDACTED]	New Document
February 2025	02	[REDACTED]	Changing the contract period to align with station decommissioning in 2030. Removing Certified copy requirement on the mandatory requirement and adding disclaimer that the certified copy will be requested from competent contractors after evaluations.

6. DEVELOPMENT TEAM

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

- [REDACTED]
- [REDACTED]

7. ACKNOWLEDGEMENTS

- Thabang Leburu

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