

Title: **Tender Technical Evaluation Strategy - Camden Power Station Supply and Installation of New Chlorine Dosing Systems and Plant Safety Upgrade Project**

Unique Identifier: **229-T2513**

Alternative Reference Number: **N/A**

Area of Applicability: **Engineering**

Documentation Type: **Strategy**

Revision: **1**

Total Pages: **13**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

Auxiliary System Engineer

Auxiliary Engineering Manager

Engineering Manager

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1. INTRODUCTION

Camden Power Station is obliged to comply with all applicable regulatory requirements, such as SANS 10298:2009 for small to medium sized chlorine gas installations and Occupational Health and Safety Act 85 of 1993. There are two Chlorine dosing systems on site i.e. at the Water Treatment Plant (WTP) and at the Sewage Treatment Plant (STP) which do not comply with aforementioned standards. The main objective of this project is therefore to outline the necessary upgrade of existing plant/infrastructure required to ensure compliance to regulatory requirements, without changing the process or overall design of the plant.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the multi-disciplinary Technical Evaluation Team (TET) to complete the technical evaluation of the Tender Technical Evaluation Strategy - Camden Power Station Supply and Installation of New Chlorine Dosing Systems and Plant Safety Upgrade Project enquiry. The team 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.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and Technical Evaluation Team (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 is applicable to the Camden Power Station Supply and Installation of New Chlorine Dosing Systems and Plant Safety Upgrade Project.

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] 32-1034: Eskom Procurement Policy
- [3] Contract Strategy

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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
CV	Curriculum Vitae
ECSA	Engineering Council of South Africa
TET	Technical Evaluation Team

2.5 ROLES AND RESPONSIBILITIES

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

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%.

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Table 1: Qualitative Evaluation Criteria Scoring Table

Score	(%)	Definition
5	100	COMPLIANT <ul style="list-style-type: none"> 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; <ul style="list-style-type: none"> Acceptable technical risk(s) AND/OR; Acceptable exceptions AND/OR; Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none"> 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	Natasha Naidu	Auxiliary System Engineer – Camden
TET 2	Sumayyah Sulliman	Chief Engineer – Generation Engineering
TET 3	Nkanyiso Shozi	Auxiliary System Engineer – Camden
TET 4	Skhumbuzo Nkosi	Auxiliary System Engineer – Camden
TET 5	Riaan Grobler	Electrical System Engineer – Camden
TET 6	Bernie Jansen	Electrical Engineering Snr Technologist - Camden

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	KPI - CRITERIA EVALUATION INDICATOR	MINIMUM CRITERIA EVALUATION REQUIREMENTS	SOURCE
1	Experience of Contractor	Provide verifiable references and sources of evidence that the Contractor has successfully completed similar projects i.e. supply and installation of Chlorine dosing systems as defined in the enquiry and Scope of Work (SOW) documents within the last 5 years. NB. Where scope will be subcontracted, the tender submission must clearly indicate all the subcontractor's details and a copy of the subcontracting agreement	The listing shall include formal signed off QCPs, release certificates or a list of successfully completed projects. The listing must include the following: <ul style="list-style-type: none"> • Description of the work performed. • Name of company where project was executed • Contact person and contact number • Contract period • Contract value • Contract number
2	CIDB level 5 ME	Certified copy of CIDB registration certificate to be submitted	Certified copy of CIDB registration certificate to be submitted
3	Installation Electrician	Person carrying out and signing off electrical works to be registered with the Department of Labour (DoL) as an installation electrician according to SANS 10142-1 and the OHS Act.	Certified copies as proof of accreditation and registration with the Department of Labour

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	KPI - CRITERIA EVALUATION INDICATOR	MINIMUM CRITERIA EVALUATION REQUIREMENTS	SOURCE	CRITERIA WEIGHTING %	CRITERIA SUB WEIGHTING %	SCORE SCALE			
						Floor	Kick in	Average	Ceiling
	Criteria 1: Mechanical Works			55		0=0%	2=40%	4=80%	5=100%
1.1	Method Statement for work	Detailed Method Statement clearly demonstrates the Tenderer's compliance with the full scope of work as detailed in the works. The following is addressed: <ul style="list-style-type: none"> • Supply of material • Fabrication • Delivery • Installation methodology • FATS/SATS 	Detailed Method Statement document		20	Totally Deficient or Non-responsive	4 steps missing	2 steps missing	Detailed Method Statement submitted covering all 5 steps
1.2	Project Schedule	The tenderer is to submit a Project Schedule (Level 3) indicating the following as a minimum: <ul style="list-style-type: none"> • Major milestones and elements of procurement, construction, testing, commissioning, etc. which is in accordance with the Works Information • Breakdown and linking of all activities • High-level timelines for execution of activities • Critical path • Execution duration (expected duration is 6 months) 	Level 3 Project Schedule		20	Totally Deficient or Non-responsive	Project schedule submitted indicating execution duration is more than 6 months	Project schedule submitted indicating execution duration is equal to 6 months	Project schedule submitted indicating execution period is shorter than 6 months

	KPI - CRITERIA EVALUATION INDICATOR	MINIMUM CRITERIA REQUIREMENTS	SOURCE	CRITERIA WEIGHTING %	CRITERIA SUB WEIGHTING %	SCORE SCALE			
						Floor	Kick in	Average	Ceiling
						0=0%	2=40%	4=80%	5=100%
1.3	Product Data Sheets for all equipment comprising the system	Datasheets of all proposed equipment as defined in the enquiry and SOW document	Datasheets		20	Totally Deficient or Non-responsive	60% of data sheets provided	80% of data sheets provided	All data sheets provided and all information as per SOW were provided
1.4	List of deviations from the Eskom specification	Company must provide a letter either stating no deviations or must state the deviations.	List of deviations		5	Detrimental, technically unacceptable deviations or exclusions	Not an option	Acceptable deviations or exclusions	A definitive statement that there are no Deviations or Exclusions.
1.5	Related experience	Key resources related experience:	CV's of Key Resources		15	Totally Deficient or Non-responsive	CV indicating one (1) year of related experience	CV indicating three (3) years of related experience	CV indicating five (5) or more years of related experience
1.6	SAQCC Registration	The installation of the dosing systems must be conducted (or supervised) by a gas practitioner registered with the SAQCC (South African Quality and Certification Committee) Gas in accordance with the Occupational Health and Safety (OHS) Act 85 of 1993: Pressure Equipment Regulations (PER). NB. Where scope will be subcontracted, the tender submission must clearly indicate all the subcontractor's details and a copy of the subcontracting agreement	Letter of intent with certified copy of Authorised Practitioner's card to be submitted		20	Totally Deficient or Non-responsive	Not an option	Letter of intent submitted without Authorised Practitioner's qualification	Letter of intent with certified copy of Authorised Practitioner's card submitted

	KPI - CRITERIA EVALUATION INDICATOR	MINIMUM CRITERIA EVALUATION REQUIREMENTS	SOURCE	CRITERIA WEIGHTING %	CRITERIA SUB WEIGHTING %	SCORE SCALE			
Criteria 2: Civil Works				25		Floor	Kick in	Average	Ceiling
						0=0%	2=40%	4=80%	5=100%
2.1	Method Statement for work	High Level Construction Method Statement / Approach	Method Statement document		20	Totally Deficient or Non-responsive feedback on Method Statement	Basic Method Statement submitted	Comprehensive Method Statement submitted	Detailed Method Statement submitted covering all 5 steps
2.2	Related experience	Company's experience in similar projects: <ul style="list-style-type: none"> Reinforced concrete construction experience Structural steel erection experience 	Proof to be submitted as completion certificates, etc. with traceable references		30	Totally Deficient or Non-responsive	Proof submitted indicating ≤ 2 years experience	Proof submitted indicating ≥ 3 years experience	Proof submitted indicating 5 years experience
2.3	Key Resource	Key resources experience, CV's of key resources <ul style="list-style-type: none"> Construction Manager or Site Manager registered with SACPMP Civil Foreman 	CV's of Key Resources		30	Totally Deficient or Non-responsive	Proof submitted indicating ≤ 2 years experience	Proof submitted indicating ≥ 3 years experience	Proof submitted indicating 5 years experience
2.4	Equipment List	Construction Equipment List: <ul style="list-style-type: none"> List of proposed equipment Proof of availability of equipment 	Equipment list and proof of equipment availability or lease agreement to be submitted		20	Totally Deficient or Non-responsive	Equipment list submitted without proof of availability	Not an option	Equipment list and proof of availability submitted

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	KPI - CRITERIA EVALUATION INDICATOR	MINIMUM CRITERIA EVALUATION REQUIREMENTS	SOURCE	CRITERIA WEIGHTING %	CRITERIA SUB WEIGHTING %	SCORE SCALE			
						Floor	Kick in	Average	Ceiling
Criteria 3: Electrical Works									
				20		0=0%	2=40%	4=80%	5=100%
3.1	Method Statement for work	Provide a construction approach and method statement indicating how the tenderer will perform the required scope	Method Statement document		25	Totally Deficient or Non-responsive feedback on Method Statement	Basic Method Statement submitted	Comprehensive Method Statement submitted	Detailed Method Statement submitted covering all key steps
3.2	Related experience	Tenderer to have a track record of 5 completed projects for a similar scope of work. In the case of sub-contracting or joint venture, a letter of agreement, together with track record of all parties involved to be provided	Proof to be submitted as completion certificates, etc. with traceable references		75	Totally Deficient or Non-responsive	Proof submitted indicating ≤ 2 successfully completed projects	Proof submitted indicating ≥ 3 successfully completed projects	Proof submitted indicating 5 successfully completed projects

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4	TET 5	TET 6
1	X	X				
2	X	X				
3					X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3			
1.1 to 1.6	X	X				
2.1 to 2.4			X	X		
3.1 to 3.2					X	X

X – Mandatory

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	Failure to provide spares lists

Table 7: Unacceptable Technical Risks

Risk	Description
1.	No information on adherence to Eskom Standards provided.

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Failure to meet plant performance requirements in terms of reliability and availability
2.	

4. REVISIONS

Date	Rev.	Compiler	Remarks
January 2024	1	N. Naidu	Original Issue

5. DEVELOPMENT TEAM

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6. ACKNOWLEDGEMENTS

N/A

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