

Title: **Tender Technical Evaluation Strategy for the maintenance contract of IAC and CCTV**

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1. INTRODUCTION

An access control system is a type of security that manages and controls who or what is allowed entrance to a system, environment, or facility. Camden Power Station has physical access control systems installed in the station. This scope of work is for the purpose of outlining the plant areas needing maintenance and how the maintenance should be conducted by the contractor.

2. SUPPORTING CLAUSES

2.1 SCOPE

The purpose of the scope of work is to outline the maintenance work to be performed on the access control equipment and CCTV camera at Camden Power Station by the assigned contractor.

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 Camden 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] 240-53114002 Engineering Change Management Procedure
- [2] Camden PS Access Control And CCTV Camera Maintenance Contract Scope of Work
- [3] 32-4- Standard for Closed Circuit TV Surveillance System and Maintenance Guidelines.
- [4] 240-86738968 - Specification for Integrated Security Alarm System for Protection of Eskom Installations and its Subsidiaries
- [5] 240-91190304- Specification for CCTV surveillance with intruder detection
- [6] 240-56227443 Requirements for Control and Power Cables for Power Stations Standard.
- [7] 240-102220945- Specification for Integrated Access Control System (IACS) for Eskom sites.

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2.2.2 Informative

- [8] 1383-CMDN-BBBH-D00154-22 Engineering Change Assessment for Camden IAC and CCTV upgrade project.
- [9] 240-78980848 - Specification for Non-Lethal Energized Perimeter Detection System (NLEPDS) for protection of Eskom Installations and its subsidiaries.
- [10] 240-91190304 - Specification for CCTV Surveillance with Intruder Detection.
- [11] SANS 60287-3-2 2010 Electric Cables – Calculation of current ratings.
- [12] SANS 60287-3-2 2010 Electric Cables – Calculation of current ratings.
- [13] SANS 2220-2-5 - Access control systems Part 2-5: Biometric readers.
- [14] SANS 2220-2-6 - Access control systems Part 2-6: Access cards
- [15] SANS 2220-1-7 - Electrical security systems Part 1.7: Intruder alarm systems: Power units.

Definitions

Definition	Description
CCTV	A system consisting of camera equipment, storage, monitoring and associated equipment for transmission and controlling purposes
Integrated building management system	A highly configurable integrated building management system providing an efficient and reliable way of ensuring the security, safety and comfort of people and the effective operation of buildings and facilities.
National Key Points Act	An act (102 of 1980) of the Parliament of South Africa that provides for the declaration and protection of sites of national strategic importance against sabotage as determined by the Minister of Police and the Minister of Defence.

2.2.3 Classification

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

2.3 ABBREVIATIONS

Abbreviation & Acronym	Description
BOQ	Bill of Quantities
C&I	Control and Instrumentation
CCTV	Closed Circuit Television
CIO	Chief Information Officer
ECM	Engineering Change Management
IAC	Integrated Access Control
ID	Identity
IP	Internet Protocol

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Abbreviation & Acronym	Description
LDE	Lead Discipline Engineer
NKP	National Key Point
NVR	Network Video Recorder
PS	Power Station
ROC	Required Operational Capability
SANS	South African National Standards
SAPS	South African Police Service
SCCC	Site Change Control Committee
SRD	Stakeholders Requirements Definition
SRP	Security Recovery Programme
UPS	Uninterruptable Power Supply
VMS	Video Management System

2.4 ROLES AND RESPONSIBILITIES

N/A as per 240-48929482: Tender Technical Evaluation Procedure

2.5 PROCESS FOR MONITORING

Document management

2.6 RELATED/SUPPORTING DOCUMENTS

- 383-CMDN-BEEC-D00035-15 Required Operational Capability Report for Camden IAC and CCTV upgrade project
- Camden PS Access Control and CCTV Camera Maintenance Contract Scope of Work
- 383-CMDN-AABB-D00139-79 Camden PS IAC and CCTV Upgrade project Stakeholder Requirements Definition

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

Mandatory Technical Evaluation Criteria (gatekeepers) are a 'must meet' criteria. These criteria shall not be weighted or point scored, but shall be assessed on a Yes/No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall Not be further evaluated against Qualitative Criteria.

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Qualitative Technical Evaluation Criteria are weighted evaluation criteria used to identify the highest technically ranked tenderer after determining that all the Mandatory Evaluation Criteria have been met. The Qualitative Evaluation Criteria are weighted to reflect the relevant importance of each criterion. The minimum weighted final score (threshold) required for a tender to be considered from a technical

Table 1: Technical Scoring Methodology

SCORE	PERCENTAGE (%)	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none"> • Meet the technical requirement(s) AND, • No foreseen technical risk(s) in meeting technical requirements
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none"> • Meet the technical requirement(s) with, • Acceptable technical risks AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions
2	40	NON-COMPLIANT <ul style="list-style-type: none"> • Does not meet the technical requirement(s) AND/OR Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions
0	0	TOTALLY DEFICIENT/NON-RESPONSIVE

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Fundiswa Mthethwa	C&I Snr Engineer
TET 2	Grace Mandlazi	Snr Advisor Technical support
TET 3	Malose Mongatane	Officer security system
TET 4	Douglas Mugweni	C&I system Engineer
TET 5	Rhulani Mlambo	Electrical system Engineer

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3.3 MANADATORY TECHNICAL EVALUATION CRITERIA

Table 2: Mandatory Technical Evaluation Criteria

NB: The suppliers need to submit proof of all the above requirements, if not they will be disqualified.

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Company registered with Private Security Industry Regulatory Authority (PSIRA)	Valid and Certified Copy	
2.	PSIRA letter of Good Standing	Valid and Certified Copy	

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3: Qualitative Technical Evaluation Criteria

The weight for the technical review will be 100% with a minimum threshold of 70% and will be based on the following:

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Technical Qualifications			100	
	1.1.	CVs of Service Technicians (NQF Level 5) (Certificate in Electrical Engineering-Light current) in involved on similar works (At least 2 years relevant experience).	CV (indicating relevant experience and Certified Copy of Qualifications		20%
	1.2.	Service Technicians certified on Access Control System (minimum = 2 technicians) (softcon, Smart PSS or similar)	Certified Copy of System Training Qualifications		20%
	1.3.	Service Technicians registered with PSIRA (minimum =2 technicians)	Certified copy of Proof of Registration		20%
2.	Company Profile				
	2.1	Proof of company operation in similar scope of work, at least 2 years relevant experience	Company Profile		20%
3.	Company Experience				
	3.1	Proof of company experience in similar scope of work, at least 3 reference Letters	Signed Completion Certificates/Signed reference letters		20%

Note:

- PSIRA registration is a mandatory requirement
- Failure to achieve minimum threshold stated above disqualifies/eliminates the supplier from participating further in this tender.
- Failure to submit **signed Completion Certificate** will result in certificate not considered as part of submission.
- Failure to submit **Certified and Valid Copies** of Certificates will result in certificate not considered as part of submission.

The scoring criteria are as follows:

Qualitative Technical Evaluation Criteria		Score [0,2,4,5]	Scoring Criteria
1.	CVs of Service Technicians (NQF Level 5) (Certificate in Electrical Engineering-Light current) in involved on similar works (At least 2 years relevant experience).		5 = Formal (NQF Level 5- Certificate in Electrical Engineering-Light current) Certified Copy of qualification or equivalent international acknowledgement and CV with 5 or more years relevant experience 4 = Formal (NQF Level 5- Certificate in Electrical engineering-Light current) Certified Copy of qualification or equivalent international acknowledgement and CV with 2 to 4 years relevant experience 2 = Formal (NQF Level 5- Certificate in Electrical Engineering-Light current) Certified Copy of qualification or equivalent international acknowledgement and CV with less than 2 years relevant experience 0 = No Formal (NQF Level 5- Certificate in Electrical Engineering-Light current) Certified Copy of qualification or equivalent international acknowledgement and no CV with years of relevant experience
2.	Service Technicians certified on Access Control System (minimum = 2 technicians) (softcon, Smart PSS or similar)		5 = 5 or more Service Technicians certified on Access Control System (softcon or similar) (Certified copy required) 4 = 2 to 4 Service Technicians certified on Access Control System (softcon or similar) (Certified copy required) 2 = Less than 2 Service Technicians certified on Access Control System (softcon or similar) (Certified copy required) 0 = No Service Technicians certified on Access Control System (softcon or similar) (Certified copy required)
3.	Service Technicians registered with PSIRA (minimum =2 technicians)		5 = 5 or more Service Technicians registered with PSIRA (Certified copy) 4 = 2 to 4 Service Technicians registered with PSIRA (Certified copy) 2 = Less than 2 Service Technicians registered with PSIRA (Certified copy) 0 = No Service Technicians registered with PSIRA (Certified copy)

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Qualitative Technical Evaluation Criteria		Score [0,2,4,5]	Scoring Criteria
4.	Proof of company operation in similar scope of work, at least 2 years relevant experience		5 = 5 years or more in operation 4 = 2 to 4 years in operation 2 = Less than 2 years in operation 0 = No years in operation
5.	Proof of company experience in similar scope of work, at least 3 reference Letters		5 = 5 or more Signed Completion Certificates/Signed reference letters with contact details for contracts (similar scope of work) 4 = 3 to 4 Signed Completion Certificates/Signed reference letters with contact details for contracts (similar scope of work) 2 = Less than 3 Signed Completion Certificates/Signed reference letters with contact details for contracts (similar scope of work) 0 = No Signed Completion Certificates/Signed reference letters with contact details for contracts (similar scope of work)

3.5 TET MEMBER RESPONSIBILITIES

Table 4: 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 5
Technical Qualifications					
1.1.	X	X	X	X	X
1.2.	X	X	X	X	X
1.3.	X	X	X	X	X
Company Profile					
2.1	X	X	X	X	X
Company Experience					
3.1	X	X	X	X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 5: Acceptable Technical Risks

Risk	Description
1.	Alternative solutions with the same or better performance

Table 6: Unacceptable Technical Risks

Risk	Description
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1.	Exclusions of scope specified in the employers' requirements
2.	Unclear staff organogram. i.e. the staffing plan is weak not showing clarity in allocation of tasks and responsibilities
3.	Exclusion of a project specific schedule

3.6.2 Exceptions / Conditions

Table 7: Acceptable Technical Exceptions / Conditions

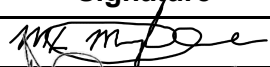
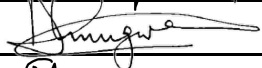
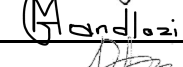

Risk	Description
1.	Accept deviation with technical qualification

Table 8: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Deviation without technical qualification not accepted

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation	Signature
Malose Mongatane	Officer Security System	
Douglas Mugweni	C&I System Engineer	
Grace Mandlazi	Snr Advisor Technical Support	
Rhulani Mlambo	Electrical System engineer	

5. REVISIONS

Date	Rev.	Compiler	Remarks
June 2023	0.1	F Mthethwa	First Draft

6. DEVELOPMENT TEAM

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

Not applicable.

7. ACKNOWLEDGEMENTS

- None

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