

 Eskom	Report	Gauteng Cluster
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1. INTRODUCTION

This document provides an overview of Eskom's technical evaluation criteria to be used when evaluating the tender submissions for the design, development, manufacture, testing, supply, installation and commissioning of Video Management System (VMS) for CCTV Systems in Eskom Gauteng Cluster. This document contains both the evaluation criteria used for desktop evaluation and practical evaluation.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document contains the technical evaluation criteria and associated documents relating to a commercial enquiry for the technical evaluation, testing and acceptance of Video Management Systems (VMS) for CCTV Systems within Eskom Holdings SOC (Ltd).

2.1.1 Purpose

This document contains the technical evaluation criteria and associated documents relating to a commercial enquiry for the technical evaluation, testing and acceptance of Video Management Systems (VMS) for CCTV Systems within Eskom Holdings SOC (Ltd).

2.1.2 Applicability

This document shall apply throughout Eskom Holdings Limited Divisions.

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] ISO 9001, Quality Management Systems
- [2] 240-48929482 Tender Technical Evaluation Procedure
- [3] 240-91190304 Specification for CCTV Surveillance with Intruder Detection
- [4] 240-83684419 – PTM&C Technology Development

2.2.2 Informative

None

2.3 DEFINITIONS

2.3.1 General

Definition	Description
Digital Video Recorder (DVR)	Device with the primary function of recording video footage from CCTV cameras. May also include a number of other features. The terms 'DVR' and 'NVR' are often used interchangeably since both devices perform the same function.

Network Video Recorder (NVR)	A Digital Video Recorder which is connected to a network rather than directly to cameras. The terms 'DVR' and 'NVR' are often used interchangeably since both devices perform the same function.
Definition	Description
Tender	A tender refers to an open or closed competitive request for quotations / prices against a clearly defined scope / specification.
Video Management System (VMS)	Software used to connect to multiple DVRs or NVRs and view the footage from the attached cameras.

2.3.2 Disclosure classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
CCTV	Closed Circuit Television
CoE	Centre of Excellence
DVR	Digital Video Recorder
NVR	Network Video Recorder
OEM	Original Equipment Manufacturer
PTM&C	Protection, Telecommunications, Metering and Control
TET	Technical Evaluation Team
VMS	Video Management System

2.5 ROLES AND RESPONSIBILITIES

Gauteng Cluster Engineering will use this document to evaluate tenders for Video Management Systems (VMS) for CCTV Systems.

2.6 PROCESS FOR MONITORING

Not applicable

2.7 RELATED/SUPPORTING DOCUMENTS

Not applicable

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3. TENDER TECHNICAL EVALUATION STRATEGY

This section details the methodology to be employed by Eskom Gauteng Cluster in scoring the “Technical” category of the tender evaluation. This evaluation exercise is performed by the appointed Eskom Technical Evaluation Team (TET).

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be deemed compliant is 70% for both the Desktop Evaluation (A) and the Practical Evaluation(B), refer to Table 1 below.

3.2 TECHNICAL EVALUATION PROCESS

The evaluation process has two main parts; desktop assessment and practical/factory evaluation, which are related and carry weightings of 60% and 40%, respectively. The overall weighting for the technical evaluation is shown in Table 1 below:

3.2.1.1 Table 1: Technical evaluation – overall

Criteria Number	Technical Criteria Description	Criteria Weighting (%)	Criteria Sub Weighting (%)
A	Level 1 - Desktop Evaluation	60	100
Minimum Level 1 Score to proceed to Level 2 = 70%			
B	Level 2 - Practical Evaluation	40	100
Minimum Level 2 Score to be deemed compliant = 70%			

- 1) The tenderer must first pass the desktop paper evaluation (Level 1) in order for Eskom to proceed with the practical evaluation of the tenderer's equipment (Level 2).
- 2) If tenderer passes the desktop evaluation (Level 1) but the presented/proposed equipment fails the practical evaluation during factory evaluation (Level 2), such supplier's equipment will be declared as not compliant to Eskom requirements.

3.2.2 Level 1 – Desktop Evaluation

3.2.2.1.1 Table 2: Weight allocations for desktop evaluations

Technical subcategory number	Level 1 Evaluation Subcategory name	Weight (%)
A1	Desktop Evaluation	60
Minimum Level 1 Score to proceed to Level 2 = 70%		

This section shall comprise scoring of the Desktop Evaluation. A default weight of 1 for each scored item. Critical items are assigned higher weights. For example, a weight of 3 indicates that the item will count the same as three items with weight 1. Each item will be assigned a score by

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the Eskom evaluation team based upon the tendered response and cross-checked with the supporting documents provided. The scoring method is depicted in Table 3 below:

3.2.2.1.2 Table 3: Scoring of items in Desktop Evaluation

Score	%	Definition
5	100	COMPLIANT <ul style="list-style-type: none"> Meet technical requirement(s) AND; Cross-checked with the supporting documents provided AND No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none"> Meet technical requirement(s) with; Acceptable technical risk(s) AND/OR; <input type="checkbox"/> Acceptable exceptions AND/OR; <input type="checkbox"/> Acceptable conditions.
Score	%	Definition
2	40	NON-COMPLIANT <ul style="list-style-type: none"> Does not meet technical requirement(s) AND/OR; Unacceptable technical risk(s) AND/OR; <input type="checkbox"/> Unacceptable exceptions AND/OR; <input type="checkbox"/> Unacceptable conditions. No supporting documents provided
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE

3.2.2.1.3 Desktop Evaluation scoring

The score for each item will be multiplied by its weight to obtain the total score per item. All scores for the Desktop Evaluation will be tallied and a percentage shall be calculated based on the maximum possible score. The weighting for subcategories of the technical schedules is shown in Table 4 below:

3.2.2.1.4 Table 4: Qualitative technical evaluation – Desktop Evaluation

Activities marked with * is mandatory for tender qualification. Failure to provide this information will result in disqualification.

The Tenderer to include a copy of the Desktop Evaluation Criteria in the tender documentation and indicate the page numbers to enable ease of referencing the information.

All information is to be tabulated, in tender document, in response to each item of the reference sections in the specification 240-91190304.

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Spec clause	Qualitative Technical Criteria Description	Tenderer to indicate page or folder number of where info is located	Criteria Weighting %
	Demonstrate number of VMS installations completed by company		4
	Demonstrate related work experience for employing authorized integrators/electronic technicians certified by manufacturer of the product being supplied. Such certification to include at a minimum, installation and service of equipment provided.		4
	Number of Professionally (professional Engineers; Professional Technologists) registered and qualified staff.-certificates.		2
	OT & IT & Cyber Security Qualifications and certificates		4
	Demonstrate OT & IT Cyber security experience -demonstrate work completed.		3
	*PSIRA certification Proof of registration and compliance, (certificates of directors and technicians, Proof of submission of PSIRA returns and letter of good standing not less than three months.		
	Location for support		3
	Letter of Recommendations on System installed at a commercial facility or similar utility as Eskom.		4
	CCTV Camera's		
	Demonstrate CCTV AI capabilities as per scope of work		3
	Quality of camera's and recording.		3
		Subtotal	30
	Video Management System (VMS)		
3.11.2	Architecture - compliance to Eskom Cyber Security requirements.		5
	AI capabilities- compliance to scope.		5
3.11.4 ;3.8.3	Features(including Lighting control)		10
3.11.5	Network Security		10
3.11.6	Video Recording and Streaming		10
3.11.7	Event Management		10
3.11.8	Usability		5
3.11.9	Hardware		5
3.11.10	Training and Support		5
	Demonstrate interface with other VMS systems, camera's, i.e., I/O and deep integration.		5
Total		Subtotal	70

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3.2.3 Level 2 Evaluation - Practical evaluation

During this evaluation the tenderer shall demonstrate that the offered equipment fully meets the functional and technical requirements. The tenderer shall use the offered equipment/system to demonstrate how Eskom's requirements are met.

This portion will be assessed at the local agent or tenderer facilities. If any portion of the services are sub contracted this must be evaluated at the subcontractor's facilities. This section shall be scored by the technical evaluation team following a visit to each Supplier's local offices. Only those suppliers that have passed the Desktop evaluation shall be visited. Suppliers shall be advised of their qualification for the visit, and on the exact date of the visit within a week prior to the demonstration. Scoring of Practical evaluation sub-sections shall be assigned by the Eskom Technical evaluation team as detailed in Table 5 below. Tenderer to ensure that the demonstration of the product is on the same product that the tenderer has tendered for.

3.2.3.1.1 Table 5: Practical evaluation Scoring Criteria

Scoring	Percentage	Score
Fully compliant/ Above Average	100%	5
Acceptable/ Average	80%	4
Below Average	40%	2
Unacceptable/ Unusable	0%	0

3.2.3.1.2 Functionality test / demo

During the functionality test / demo phase, the tenderer shall demonstrate how the different functional and technical requirements have been incorporated in the system design. The test system shall be configured so as to represent the communication architecture envisaged for the complete solution. They may be carried out on equipment already installed on a 3rd party site by the tenderer or setup for demonstration purposes or utilise the OEM's facilities. The system demonstrated should be the same as the one tendered for.

The functionality test comprise of sections below.

3.2.3.1.3 Table 6: Functionality Test Items

Number	Standard	Page	Demonstration	Scoring Method	Weighting %
1	240-91190304	109	AI functionality compliance to scope	Demonstrate as per scope/specifications.	15

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2	240-91190304	47; 110	Recording, streaming; storage, alarm notifications	Demonstrate as per scope/specifications	15
3		113-114	Lighting control	Demonstrate as per scope/specifications	10
4	240-91190304	115	Video Quality	Demonstrate as per scope/specifications	10
5	240-91190304	115	General Usability & operability	Demonstrate as per scope/specifications	10
6	240-91190304	66	PA System Test	Demonstrate as per scope/specifications	10
7	240-91190304	97	Rotakin Test	Demonstrate as per scope/specifications	10
8	240-91190304	89-90;93-94;102-108	CCTV Test	Demonstrate as per scope/specifications	15
9	240-91190304	47	Customisable reports & Dashboards	Demonstrate as per scope/specifications	5

4. AUTHORIZATION

Name and surname	Designation
Kith Maitisa	Middle Manager SHEQS
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Nicolaas De Klerk	Senior Network Planner
Success Mendes	Network Planner

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TECHNICAL EVALUATION CRITERIA FOR VMS

Unique Identifier: Revision:

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