Eskom	Strategy	Engineering

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Compiled by	Functional Responsibility	Authorised by
.....	.....	.....
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System Engineer	**C&I Engineering Manager**	**Engineering Manager**
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CONTENTS

TABLES

1. INTRODUCTION

A Public Address System is an electronic sound system amplification and distribution system with microphones, amplifiers and loudspeakers used to allow a person to address a large public. The system is designed to overshadow background noise.

This report gives insight on the Technical Evaluation Criteria and the Tender Evaluation Team members for the Matla Public Address System upgrade project. It also discusses the qualitative criteria to be followed during the Technical Evaluation from the returnable.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the different aspects that will be evaluated and scored by the Technical Evaluation Team (TET) to complete the Technical Evaluation of the Public Address System for Matla Power Station. 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.

The Technical Evaluation Strategy will define the following evaluation criteria:

- Mandatory Evaluation Criteria
- Qualitative Evaluation Criteria
- TET Member Responsibilities

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 is applicable to the Matla Public Address System 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] 32-1034 Eskom Procurement Policy

[2] 240-48929482: Tender Technical Evaluation Procedure

2.2.2 Informative

[3] N/A

2.3 DEFINITIONS

Definition	Description
Contractor/Tenderer	Refers to the corporation appointed to perform the Engineering, procurement, and construction works required for the project.
Compiler	The document compiler is responsible for ensuring that this document is up-to date and that this document is not a duplication of an existing documentation, regarding the d document's objectives and content.
Functional Responsibility	The Functional Responsible Person shall determine if the document is fit for purpose, before the document is submitted for authorisation.
Authoriser	The document authoriser is a duly delegated person with the responsibility to review the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorise the release and application of the document

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
C&I	Control and Instrumentation
EN54	European Norm – Voice Alarm Power Supply Equipment; Voice Alarm and Indicating Equipment; Loudspeaker Equipment
FAT	Factory Acceptance Test
ISO	International Standard
PA	Public Address
PS	Power Station
SANS	South African National Standard
TET	Technical evaluation team
UPS	Uninterrupted Power Supply
VDSS	Vendor Documentation Submittal Schedule

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER EVALUATION STRATEGY

This section details the methodology to be employed by the Employer scoring the "Technical" category of the tender evaluation. This evaluation exercise is performed by the appointed Employer's Technical Evaluation Team (TET).

Mandatory Technical Evaluation Criteria (gatekeepers) are a 'must meet' criteria. Tenders not meeting any of the Technical Gatekeepers shall be immediately excluded from further evaluation. 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.

3.1 TECHNICAL EVALUATION THRESHOLD

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 70%. The following scoring method will be used:

Table 1: Scoring Method

SCORE	PERCENTAGE	DESCRIPTION
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 TET MEMBERS

Table 2: TET Members

TET number	TET Member Name	Designation
TET 1	Vusmuzi Ntuli	System Engineer – Matla Power Station
TET 2	Khumo Skosana	Senior Advisor – Matla Power Station
TET 3	Nkosinathi Ndima	Electrical Engineer – Matla Power Station

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Table 3: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	Company's background and experience in PA systems or emergency evacuation systems	Provide 1 reference site and Completion Certificates for a completed project in the past consisting of the following information: • Name of company where project was executed and completed • Project Description • Construction period • Contract value • Contact person	Previous similar work to ensure that the Tenderer has the capability to undertake the works.
2.	The tenderer must provide OEM authorization or agreement to supply, install and service the PA System. The letter must be on the OEM's official letterhead, signed and clearly state the scope of authorization. Where relevant, it must be applicable EN54 standard for the offered equipment.	Submit proof of valid authorization or agreement on official letterhead	To ensure that the equipment have a back-up from the OEM.

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

No	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (100%)					Score TOTAL Weighted RATING
1.	**General Evaluation Criteria**			**30**		**(Score 0)**	**(Score 40)**	**(Score 80)**	**(Score 100)**	
	1.1	Project Execution	The Tenderer shall demonstrate the ability to plan and mobilise for project execution. Submission must include: 1. High-level project programme (showing design, FAT, SIT, installation, commissioning, testing milestones). 2. Tenderer must provide a detailed plan showing how they will mobilise		50	No Submission	Submitted 1 of 3	Submitted 2 of 3	Submitted all 3	

			personnel, tools, and materials after contract award, including the **lead time (in calendar days)** from order to site establishment. 3. Execution methodology, SHEQ, and quality control approach outlining how activities will be managed and monitored to ensure timely delivery and compliance with standards, including a sample Inspection and Test Plan (ITP) or Quality Control Plan (QCP) for PA system installation, cabling,							

			batteries, and panels.							
	1.2	Qualifications and experience, in PA system projects, of the resources dedicated to this project	Submit CVs of all team members on the project with the following requirements: 1) Technician's with minimum N6 or National Diploma and minimum work experience on PA systems > 3 years 2) Site Project Manager with minimum N6 or National Diploma and minimum experience in construction > 3 years 3) Engineer with minimum N6 or National Diploma and minimum design experience in PA systems and / or Voice alarm		50	No submission or submission not meeting any requirement 1 submission	Submission meeting 1 of the specified requirements	Submission meeting 2 of the specified requirements	Submission meeting all the specified requirements	

			evacuation related systems > 2 years							

No	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (100%)					Score TOTAL Weighted RATING
2.	**Control and Instrumentation**			**45**		**(Score 0)**	**(Score 40)**	**(Score 80)**	**(Score100)**	
	2.1	System Architect	Submit a system architectural concept drawing which indicates the below: Allowing for de-centralised components in different locations under a centralised control over a packet-based network. • Network redundancy by doubling on the TCP/IP Ethernet interfaces, supplying two		50	No submission or submission with less than 3 requirements met	Submission with 3 of 5 requirements met	Submission with 4 of 5 requirements met	Submission with all requirements met	

			ports for audio and data control transmission on each decentralised device. • The de-centralised zones shall have their local audio output / inputs, battery surveillance capability, battery charging capability, and speaker line surveillance capabilities. • All system components shall be modular and of the 19" rack-mount type. • The system shall support an additional analogue audio reserve path to allow for an all-call paging in case of a network							

			failure or CPU failure, as well as signal path line faults anywhere between microphone(s) and amplifier(s).							

	2.2	Remote Management concept	Provide a layout of the Remote Management concept Concept indicating compliance to Employer's Cyber Security (32-373 IT/OT and Third-Party Remote Access standard). Layout indicates the following as a minimum: • Remote user (10%) • Corporate Firewall/ external VPN access (20%) • OT firewall/DMZ (20%) • PA system operational network (25%) • Concept description of the entire remote connection network (25%)		50	Submitted layout which is <20% compliant	Submitted layout which is >30% and ≤50% compliant	Submitted layout which is > 50% and ≤80% compliant	Submitted a layout >80% compliant concept	

No	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (100%)					Score TOTAL Weighted RATING
3.	**Electrical**			**25**		**(Score 0)**	**(Score 40)**	**(Score 80)**	**(Score100)**	
	3.1	The Contractor shall supply the EN54 compliant stand-by batteries to cater for a minimum stand-by period of 24 hours.	Tenderer submit proof of compliance to the following: • Provide battery datasheet • EN54 Compliance certificate • The minimum life-span of the batteries shall be 5-10 years. • Stand-by batteries shall be of the sealed Vent regulated Lead Acid (VRLA), flame retardant variety and maintenance free. • Stand-by batteries shall comply with EN50272 and EN60896-2 standards The		100	Submitted less than 2	Submitted 2 of 5	Submitted 3 – 4 of 5	Submitted all 5	

			system must be capable of discharging and re-charging each battery at a pre-determined interval for purposes of keeping each battery in optimal condition.							

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3
1	X	X	X
2	X	X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**
1	X	X	
2	X	X	
3			X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	Inadequate local technical support
2.	No proven track record of offered equipment
3.	No open communication channel to OEM on technical issues
4.	

Table 7: Unacceptable Technical Risks

Risk	Description
1.	Exclusion of scope specified in the Employer's requirements
2.	Failing to meet Mandatory Technical Criteria
3.	

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	
2.	
3.	

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	N/A
2.	
3.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Vusmuzi Ntuli	Engineer – C&I Matla Power Station
Khumo Skosana	Senior Advisor – C&I Matla Power Station
Nhlakanipho Molefe	Engineer- C&I Matla Power Station
Nkosinathi Ndima	Engineer – Electrical Matla Power Station

5. REVISIONS

Date	Rev.	Compiler	Remarks
July 2023	0	N. Mchunu	Revised due to new template
September 2025	1	V.I. Ntuli	Revision change

6. DEVELOPMENT TEAM

The Technical Evaluation Team Members, as listed in Table 1, were involved with the development of this document.

7. ACKNOWLEDGEMENTS

N/A