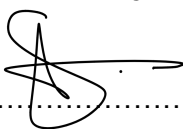
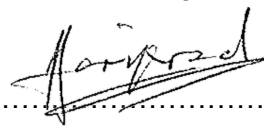


	Tender Technical Evaluation Strategy for the Smart ERIC Reception Transformation	Research, Testing & Development
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1. INTRODUCTION

The power systems sector is experiencing unprecedented technological evolution, demanding research facilities that can support increasingly complex, data-intensive investigations with cross-disciplinary collaboration. This digital transformation of the RT&D's reception will deliver:

- A modern, secure, and efficient reception experience.
- Effective showcasing of research innovation.
- Enhanced visitor engagement through digital amenities.
- Improved collaboration opportunities.
- Showcase leadership in technological innovation and sustainability.

2. SUPPORTING CLAUSES

2.1 SCOPE

This evaluation is for a tender with the scope which is as follows:

The Smart Reception Area Transformation is based on the actual RT&D Reception Plan floorplan (Figure 1). The specific spatial assignments are for area A (main reception) which will be an enhanced reception area and Area B which will be converted to technology showcase/pods. The architecture is designed for a linear 28m-wide space, creating an immersive, technology-forward environment that demonstrates innovation while providing efficient access control and visitor management.

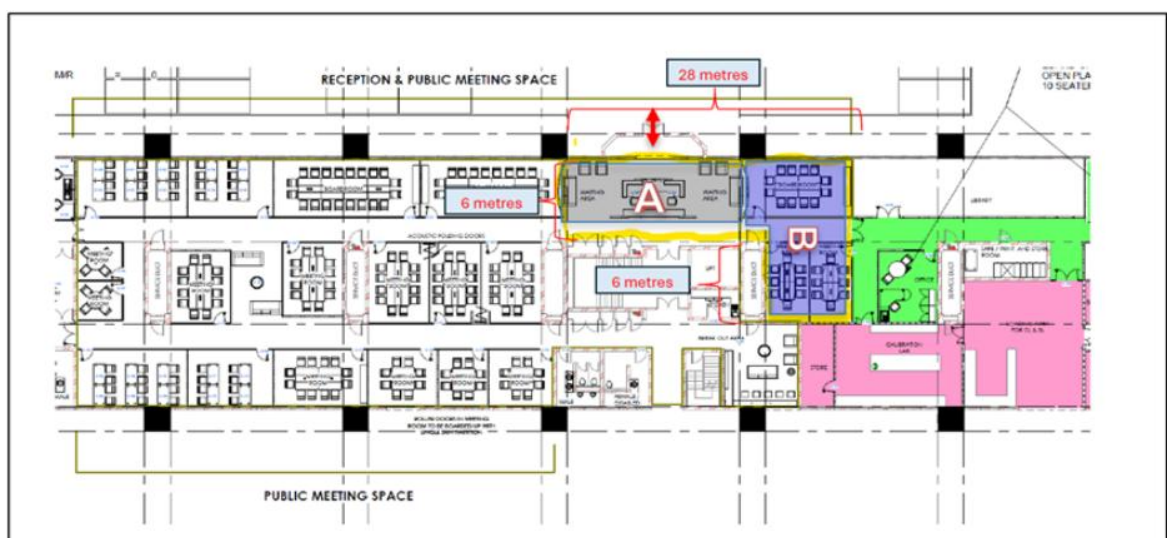


Figure 1: Main Reception area

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The vendor shall provide design, supply, delivery, installation, and commissioning of a Smart Reception Area solution designed to enhance visitor engagement, operational efficiency, and security at Eskom Research Testing and Development facility. The solution shall include an integrated system comprising intelligent hardware and software components that enable automated visitor management, real-time information dissemination, and seamless interaction with research infrastructure systems.

For detailed scope please refer to the Smart ERIC Reception Transformation Technical Specification Design report.

2.2 APPLICABILITY

This document applies to the Strategy and Sustainability Division.

2.3 NORMATIVE/INFORMATIVE REFERENCES

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

2.3.1 Normative

- [1] 240-48929482: Tender Technical Evaluation Procedure
- [2] Smart ERIC Reception Transformation Technical Specification Design

2.3.2 Informative

- [3] ISO 9001 Quality Management Systems
- [4] ISO/IEC 27001: Information Security Management
- [5] ISO/IEC 27701: Privacy Information Management
- [6] ISO/IEC 24745: Biometric Information Protection
- [7] POPIA (Protection of Personal Information Act)
- [8] GDPR (General Data Protection Regulation) for handling data of EU citizens
- [9] SANS 10400: South African National Building Regulations
- [10] SANS 10142: Electrical Wiring Code
- [11] SANS 10139: Fire Detection and Alarm Systems
- [12] SANS 10114: Interior Lighting
- [13] SANS 204: Energy Efficiency in Buildings
- [14] SANS 10400-S: Facilities for Persons with Disabilities
- [15] Web Content Accessibility Guidelines (WCAG) 2.1 for digital interfaces
- [16] Universal Design principles for physical and digital elements
- [17] IEEE 802.11ax (Wi-Fi 6) for wireless networking
- [18] IEEE 802.3bt for Power over Ethernet

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[19] ONVIF Profile S for IP-based security cameras

[20] Open Connectivity Foundation (OCF) standards for IoT device interoperability

2.4 DEFINITIONS

2.4.1 Classification

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

2.5 ABBREVIATIONS

Table 1: Abbreviations

Abbreviation	Description
CV	Curriculum Vitae
RT&D	Research, Testing & Development
TET	Technical Evaluation Team

2.6 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.7 PROCESS FOR MONITORING

N/A

2.8 RELATED/SUPPORTING DOCUMENTS

Technical Requirements Scope

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.

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 perspective is 80%.

The evaluation of the tender submission will be based on the tenderer's ability to meet the Engineering requirements. A weighted score card approach will be used to evaluate the tender submission against the specifications and Employer's requirements.

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The scoring method will be as shown below.

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

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3.2 TET MEMBERS

Table 3: TET Members

TET number	TET Member Name	Designation
TET 1	Sibusiso Maphumulo	Senior Engineer, RT&D
TET 2	Tshitso Tamane	Senior Engineer, RT&D
TET 3	Siyanda Biyela	Chief Engineer, RT&D
TET 4	Lufuno Mulaudzi	Engineer, RT&D

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

N/A

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Scoring Criteria	Criteria Weighting (%)	Criteria Sub Weighting (%)
1.	Relevant Experience and Execution of the Works		As per the Scope of work		40	
	1.1	Company Profile	The tenderer submits the profile with details of, company structure (organogram), core business areas, product, and services offered, breakdown of previous projects.	5- Company has submitted a company profile with core business areas in line with the scope. 4- Company profile lacks details but evidence is submitted to show that core business areas are in line with the scope. 3-Company has submitted a company profile		10

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				with core business area's not in line with the scope. 2- Company profile lacks details and core business areas are not in line with the scope. 1-Company profile does not provide sufficient information. 0- Not submitted,		
	1.2	Experience of Company in providing smart reception services.	Company must provide the track record of previous work projects/contracts over the past 3 years. Provide a list of five (5) or more projects with the following details: (1) Description of the works, (2) Value of the works, (3) Duration of the works This information must be supported / verified by:	10-Company has submitted five (5) or more written reference letters or contracts with a similar scope performed in the past 3 years. 8-Company has submitted four (4) reference letters or contracts with a		10

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			Contracts with clients, reference letters or purchase orders from clients.	similar scope performed in the past 3 years. 6-Company has submitted three (3) reference letters or contracts with a similar scope performed in the past 3 years. 4-Company has submitted two (2) reference letters or contracts with a similar scope performed in the past 3 years. 2-Company has submitted one (1) reference letter or contracts with a similar scope performed in the past 3 years. 0-Not submitted		
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	1.3	Technical proposal detailing the work methodology, which complies to the full scope and describes how the scope will be executed (both design and installation phases of the project).	1. The tenderer submits detailed proposal of scope execution which must address but not limited the following: 2. Project Implementation method statement 3. Compliance to SHEQ requirements 4. Compliance with required technical specification. 5. Operations and maintenance strategies for the smart reception equipment. 6. Training of Eskom Personnel 7. System of the Security 8. Foreseen risks and concerns	As per Table 2		20
2.	Digital Welcome Experience (Specified items in section 2.1 and 2.2 are technically compliant, datasheet or specifications	Provide specifications indicating the capabilities listed in section 2.1 to 2.2.	The tenderer to comply with the specifications of the scope	As outlined below	60	

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	to be provided)					
	2.1	Interactive Welcome Wall	The tenderer to comply with the specifications of the scope	As per Table 2		5
	2.2	Advanced Visitor Management System	The tenderer to comply with the specifications of the scope	As per Table 2		5
3.	Next-Generation Security and Access Control (Specified items in section 3.1 and 3.2 are technically compliant, datasheet or specifications to be provided)	Provide specifications indicating the capabilities listed in sections 3.1 to 3.2.	The tenderer to comply with the specifications of the scope			
	3.1	Multi-Factor Biometric System	The tenderer to comply with the specifications of the scope for the Multi factor Biometric System	As per Table 2		5
	3.2	AI-Enhanced Security Monitoring	The tenderer to comply with the specifications of the scope of the AI-Enhanced Security Monitoring	As per Table 2		10
4.	Environmental Intelligence (Specified items in section 4.1 and 4.2 are technically compliant,	Provide specifications indicating the capabilities listed in sections 4.1 to 4.2.	The tenderer to comply with the specifications of the scope	As outlined below		

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	datasheet or specifications to be provided)					
	4.1	Precision Climate Management	The tenderer to comply with the specifications of the scope	As per Table 2		5
	4.2	Human-Centric Lighting	The tenderer to comply with the specifications of the scope	As per Table 2		5
5.	Digital Visitor Experience (Specified items in section 5.1 and 5.5 are technically compliant, datasheet or specifications to be provided)	Provide specifications indicating the capabilities listed in sections 5.1 to 5.5.	The tenderer to comply with the specifications of the scope	As outlined below		
	5.1	Connected Comfort Features	The tenderer to comply with the specifications of the scope	As per Table 2		5
	5.2	Digital Collaboration Pods	The tenderer to comply with the specifications of the scope	As per Table 2		5
	5.3	Digital Backbone Infrastructure	The tenderer to comply with the specifications of the scope	As per Table 2		5
	5.4	Project Management and Professional Services	The tenderer to comply with the specifications of the scope	As per Table 2		5
	5.5	Maintenance and Support	The tenderer to comply with the specifications of the scope	As per Table 2		5
					TOTAL:	100

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1.1	X	X	X	X
1.2	X	X	X	X
1.3	X	X	X	X
1.4	X	X	X	X
1.5	X	X	X	X
2.1	X	X	X	X
2.2	X	X	X	X
3.1	X	X	X	X
3.2	X	X	X	X
4.1	X	X	X	X
4.2	X	X	X	X
5.1	X	X	X	X
5.2	X	X	X	X
5.3	X	X	X	X
5.4	X	X	X	X
5.5	X	X	X	X

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3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk		Description
1.		
2.		
3.		
4.		
5.		
6.		
7.		

Table 7: Unacceptable Technical Risks

Risk		Description
1.		
2.		
3.		
4.		
5.		

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	None identified at this stage.

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	None identified at this stage.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
Sibusiso Maphumulo	Senior Engineer
Tshitso Tamane	Senior Engineer

5. REVISIONS

Date	Rev.	Compiler	Remarks
27 August 2025	1	L Mulaudzi	Draft for Review

6. DEVELOPMENT TEAM

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

- Tshitso Tamane, Senior Engineer: Digitalisation and System Dynamics, RT&D
- Lufuno Mulaudzi, Engineer: Digitalisation and System Dynamics, RT&D

7. ACKNOWLEDGEMENTS

N/A

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