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Title: **TECHNICAL EVALUATION CRITERIA FOR PHASE 5 PROTECTION AND SUBSTATION AUTOMATION EQUIPMENT – BASED ON HITACHI AND IST SOLUTION**

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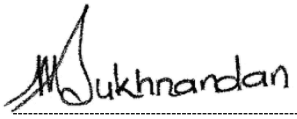	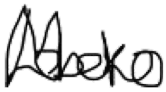	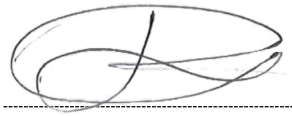
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1. Introduction

The purpose of this document is to define the technical evaluation criteria to be applied in assessing supplier responses to the Expression of Interest (EOI) for the manufacture, configuration, testing, supply, delivery, erection and training of a previously developed range of approved Protection, Control and Substation Automation Schemes (predominantly based on the GE and Hitachi protection relays) including the swing frame cabinets to house these schemes, to Eskom Distribution. This evaluation is intended to determine supplier capability as per a) – d) below such that a formalised contract process can be undertaken based on these results.

a) Manufacture, configure, supply, deliver and erection of schemes including swing frame panels based on Eskom's existing approved designs

b) Modify and adapt designs for future requirements

c) Provide training on Eskom's existing approved designs

d) Provide technical product support, training, etc.

2. Supporting clauses

2.1 Scope

2.1.1 Purpose

The purpose of this document is to define the technical evaluation criteria to be applied in assessing supplier responses to the Expression of Interest (EOI).

2.1.2 Applicability

This document shall apply to Eskom's Distribution Division.

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

Not applicable.

2.2.2 Informative

Not applicable.

2.3 Definitions

2.3.1 General

Definition	Description
Eskom evaluating representative(s)	The persons appointed by Eskom to perform the technical evaluation of tender submissions in line with Eskom's requirements.
Normative	Documents that shall be read in conjunction with this report and are binding on Tenderers.

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2.3.2 Disclosure classification

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

2.4 Abbreviations

Abbreviation	Description
IED	Intelligent Electronic Device

2.5 Roles and responsibilities

It is proposed that:

- Dx PTM&C shall utilise this document as the basis for the technical evaluation process for the EOI.
- Tenderers shall note the evaluation criteria as laid out in this document and submit their responses in compliance to the stipulated requirements.

2.6 Process for monitoring

Eskom will monitor the compliance to this document as part of the evaluation of submitted EOI.

2.7 Related/supporting documents

Not applicable.

3. Technical Tender Evaluation Procedure

The evaluation exercise is performed by the Eskom evaluation team. The following criteria will be used to assess the tenderer's capability to meet Eskom's requirements as specified in the EOI. The evaluation is qualitative (EOI-based) and not intended for final tender award scoring.

3.1 Evaluation Approach

Suppliers will be assessed based on documented evidence submitted in response to the EOI.

3.2 Scoring Philosophy

Although this is an EOI, a structured scoring model is used to enable comparison:

Rating	Description
4	Fully compliant
2	Partially compliant
0	Non-compliant/No Response

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4. Technical Evaluation Criteria

4.1 Summary of Evaluation Categories

No	Category	Weight (%)
1	Capability to supply and support existing Eskom scheme designs by OEM/Value Added Reseller	60
2	Experience with Protection and Automation scheme manufacturing, configuration, and training	30
3	Ability to supply items for a proposed production contract and costing provided	10

4.2 Detailed Evaluation Criteria

4.2.1 Capability to supply and support existing Eskom scheme designs

EOI Query	Requirement	Evidence Required
2.	Confirmation from OEM and/or VAR that the Hitachi/GE schemes supplied in this contract can be supported and guarantees/warranties will be upheld by the OEM.	Letter from OEMs/VARs
3.	Confirmation from the OEM/VAR that the Hitachi/GE schemes required for this contract can be supplied timeously.	Letter from OEMs/VARs

4.2.2 Experience with Protection and Automation scheme manufacturing, configuration and training

EOI Query	Requirement	Evidence Required
4.	Provide evidence of previous experience in the past 2 years with manufacturing of Protection Schemes, Gateway schemes or similar type equipment as required by this contract.	Table
5.	Provide evidence that protection/automation schemes can be manufactured and supplied within 15 weeks	Written evidence and factory layout diagram
6. and 7.	Evidence of technical expertise in configuration and support of protection and SCADA gateway devices	Table with CVs provided as supporting evidence
8.	Evidence of technical training capabilities	Table listing course details

4.2.3 Ability to supply items for a proposed production contract – as per currently accepted designs and costing provided

EOI Query	Requirement	Evidence Required
9.	Hitachi/GE IED Training	Table 1from EOI
	Hitachi/GE Protection relay configurations	
	Hitachi/GE Gateway configurations	
	Hitachi/GE HMI configurations	
	Networking device configurations	
	GPS device configurations	
	P2. HV Feeder Scheme (5FZD3xxx or 5FZD5xxx) and all associated options and spares	

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	P3. Transformer Scheme (5TM3x00, 5TM5x00) and all associated options and spares	
	P4. Tap Change Scheme (5TC3x00, 5TC5x00) and all associated options and spares	
	P5. Multipurpose Feeder Scheme (5RF/BC/EG3x00, 5RF/BC/EG5x00) and all associated options and spares	
	P6. Cable Feeder Scheme (5CF/BS/VT31x0, 5CF/BS/VT51x0) and all associated options and spares	
	P7. Low Impedance Buszone Protection (5BP3x00, 5BP5x00) and all associated options and spares	
	P8. High Impedance Busbar Protection (5BZ3x00, 5BZ5x00) and all associated options and spares	
	P12. Substation Gateway (5AGW3x00, 5AGW5x00)	
	P13. Pole Mount Gateway (5AGW3300, 5AGW5x00)	
	P1 and P15. Networking Devices (Switches, Routers, Serial Port Servers) all associated options and spares	
	P16. GPS Time Synchronisation Devices all associated options and spares	
	Junction Boxes (5JB3x00 and 5JB5x00) all associated options and spares	
	Swing Frame Panels all associated options and spares	
	Transport and Erection of Panels	
10.	Costing Table populated	Table 2 from EOI

5. Authorization

Not applicable.

6. Revisions

Date	Rev.	Compiler	Remarks
Aug 2026	2	Marlini Sukhnandan	Updated references to RFI with EOI. Referred to the correct EOI query numbers.
July 2026	1	Marlini Sukhnandan	First issue.

7. Development team

Andrew Craib

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8. Acknowledgements

Not applicable.

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