

	<p style="text-align: center;">Report</p>	<p style="text-align: center;">Technology</p>
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Title: **TECHNICAL EVALUATION CRITERIA FOR THE SUPPLY OF PHILIPPI PTM&C EQUIPMENT**      Unique Identifier: **240-170000101**

Alternative Reference Number: **n/a**

Area of Applicability: **Engineering**

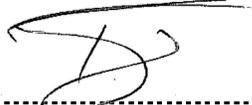
Documentation Type: **Report**

Revision: **2**

Total Pages: **8**

Next Review Date: **n/a**

Disclosure Classification: **Controlled Disclosure**

Compiled by	Functional Responsibility	Authorized by
		
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<p>Date: 17 May 2021</p>	<p>Date: 17 May 2021</p>	<p>Date: 17 May 2021</p>

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## 1. Introduction

This report has been developed to propose the technical evaluation criteria to be used when evaluating tender submissions, in response to a Request for Proposal (RFP), for the supply of Philippi Substation PTM&C equipment for the Transmission division.

The report defines the 'mandatory' and 'technical qualitative' criteria that may be used to evaluate responses to the enquiry for the Philippi Substation Extension Project.

## 2. Supporting clauses

### 2.1 Scope

#### 2.1.1 Purpose

The report provides proposed technical evaluation criteria relating to a commercial enquiry for the provision of a complete turnkey protection, tele-control, remote-engineering / monitoring, measurements, metering, DC, teleprotection and telecommunications solution for the proposed Philippi Substation, aligned with Eskom's current methodologies in this regard.

#### 2.1.2 Applicability

This document shall apply to Eskom's Transmission division.

### 2.2 Normative/informative references

#### 2.2.1 Normative

[1] High level Scope of work – PTM&C Equipment for Philippi Substation.

#### 2.2.2 Informative

Not applicable.

### 2.3 Definitions

#### 2.3.1 General

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

#### 2.3.2 Disclosure classification

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

### 2.4 Abbreviations

Abbreviation	Description
RFP	Request For Proposal

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## 2.5 Roles and responsibilities

It is proposed that:

- Eskom evaluating representative(s) shall utilise this document as the basis for the technical evaluation process.
- Tenderers shall note the evaluation criteria as laid out in this document and submit tenders in compliance to the stipulated requirements.

## 2.6 Process for monitoring

Eskom will monitor the compliance to this document.

## 2.7 Related/supporting documents

Not applicable.

## 3. Technical Tender Evaluation Procedure

The following criteria will be used to assess the tenderer's technical capability to enter into a contract with Eskom with respect to specific products and to meet Eskom's requirements. The technical evaluation method has three main stages:

- 1) Mandatory Requirements Evaluation
- 2) Technical Qualitative Requirements Evaluation
- 3) Deemed Proposal Risk(s)

Tenderer's proposals must achieve at least the threshold for each stage in order to qualify for evaluation under a subsequent stage. Tenderers that are not deemed acceptable for a stage will not be evaluated further. The detailed methodologies for scoring in each stage are provided in Sections 3.1 to 3.3 below.

### 3.1 Evaluation of Mandatory Requirements

The evaluation exercise is performed by the Eskom evaluating representatives. This part of the evaluation starts when submissions are opened and assessed for the first time. The Eskom evaluating representatives will go through the details of the returnable submissions that are required and will ensure that all the Mandatory Requirements are met. Submissions that receive a "No" for any of these requirements will not be able to proceed to the 'Technical Qualitative Requirements Evaluation' stage and therefore will fail the technical evaluation.

**Table 1: Mandatory Requirements Evaluation**

Criteria	Reference	Comply	Comments
Is a completed Table A.1 Technical Schedule A&B, including requisite comments submitted?	Table A.1 – Annex A	Yes/No	
Is a completed Table A.2 Technical Deviations submitted with the associated declaration <b>signed</b> by the duly authorised Tenderer's representative?	Table A.2 – Annex A	Yes/No	
Is all information supplied in English?		Yes/No	
<b>Threshold.</b> Should the tenderer fail to meet ANY ONE of the above requirements they will be automatically disqualified.			

### 3.2 Evaluation of Technical Qualitative Requirements - Solution and Resource Compliance Schedule A&B

Refer to Table A.1: Solution and Resource Compliance Schedule A&B in Annex A. Tenderers shall complete this table as per the instructions. Submissions that substantially comply to all requirements in this regard will be considered acceptable. Comments provided by the Tenderers will inform this evaluation.

### 3.3 Deemed Proposal Risk(s)

Eskom's evaluating representatives shall compile a narrative summarising risks associated with any aspect of the proposal:

- noted during the Technical Qualitative Requirements evaluation,
- based on the deviations provided in Table A.2: Technical Deviations.

This narrative shall be used to determine and motivate whether the risk is deemed low / acceptable / high and will serve as input to the recommendation as to whether the proposal should be accepted.

## 4. Authorization

Not applicable.

## 5. Revisions

Date	Rev.	Compiler	Remarks
May 2020	1	A de la Guerre	First issue.
May 2021	2	A de la Guerre	Remove price-based risk assessment, Commercial indicated that this can be performed after the technical evaluation

## 6. Development team

Not applicable.

## 7. Acknowledgements

Not Applicable

**Annex A – Solution and Resource Compliance Schedule A&B and Technical Deviations**

**Schedule A: Purchasers specific requirements**

**Schedule B: Guarantees and technical particulars of equipment offered**

Tenderers are to indicate 'Comply' in Schedule B where they are fully compliant to the 'Requirements.' Comments to be included to reference documentation in the Tenderer's Proposal to support this declaration.

Tenderers are to indicate 'Do Not Comply' in Schedule B where they are not fully compliant to the Requirements and Description. If tenderers respond with 'Do Not Comply', reasons shall be provided for the same in the 'Comments' column.

**Table A.1: Solution and Resource Compliance Schedule A&B**

Refer to	Requirements	Schedule A	Schedule B	Comments
[1] High level Scope of work – PTM&C Equipment for Philippi Substation	1.1 Background - 'To facilitate maintainability and compatibility with the existing installed Eskom PTM&C equipment, the successful tenderer shall source the PTM&C equipment and schemes from Eskom contracted suppliers. The items selected shall be those from Eskom PTM&C approved and accepted equipment and solutions which have been tested and are deemed acceptable for use on the Eskom network.'	Comply		
[1] High level Scope of work – PTM&C Equipment for Philippi Substation	1.2 Scope - 'Standard previously tested and Eskom approved solutions are to be utilised. Where specific schemes / solutions don't exist and development is required, this shall be kept to a	Comply		

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Refer to	Requirements	Schedule A	Schedule B	Comments
	minimum and based as much as possible on the existing platforms'			
[1] High level Scope of work – PTM&C Equipment for Philippi Substation	2.3 Engineering Resources – 'Resources utilised for the scheme development and engineering of the protection and control solution must have previous experience developing and implementing protection and control solutions for Transmission high voltage networks"	Comply		

**Technical Deviations**

Tenderers are to indicate any deviations to the 'Requirement' in the 'Deviations' column.

**Table A.2: Technical Deviations**

Refer to	Requirement	Deviations
[1] High level Scope of work – PTM&C Equipment for Philippi Substation	2. Protection	
	3. Teleprotection	
	4. Fibre optic requirements	
	5. Disturbance recorder and travelling wave fault locator	
	6. Protection settings	
	7. Metering and measurements	
	8. Telecontrol and substation automation	
	9. Engineering and Data Server	
	10. Auxiliary supplies (AC & DC systems)	
	11. Telecommunications	
	12. Protection application design	
	13. Factory testing	
	14. Commissioning	
	15. Delivery, off-loading and site erection	
	16. General	

**Declaration**

The completed Table A.2 Technical Deviations details any and all deviations to the 'Requirements' stipulated and is binding in terms of this proposal.

Signed by \_\_\_\_\_ Signature \_\_\_\_\_

Date \_\_\_\_\_