

Title: **EVALUATION CRITERIA FOR
BULK POINTS LOAD LIMITING
EQUIPMENT**

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Area of Applicability: **Engineering**

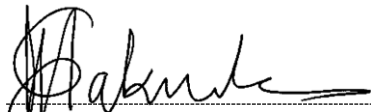
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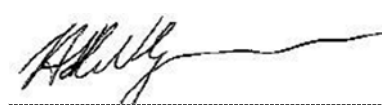
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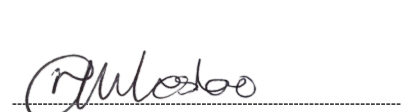
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1. Introduction

This document provides an overview of Eskom's technical requirements for the Request for Quotation (RFQ) for bulk load limiting equipment that is supplied as a combination of both the Bulk Load Control Interface (BLCI) and Bulk Load Control Equipment (BLCE) as listed in Table 1, below. It is supplementary to the Eskom standard for a bulk metered points load controller, i.e., Eskom 240-170001198 - Bulk metered points load controller standard.

In addition, this document defines the technical evaluation criteria, along with the technical schedules A and B (defined in the Excel spreadsheet and not this document) that will be used to evaluate the enquiry for bulk load limiting equipment.

2. Supporting clauses

2.1 Scope

This document provides information relating to an enquiry for the evaluation, testing, acceptance, and supply of bulk load limiting equipment to be utilized in Eskom as specified in 240-170001198.

The tender is for the manufacturing and supply of the following smart metering systems components:

Table 1: List of items for enquiry

Item	Items
1.	BULK LOAD LIMITER, 100kVA (BLCI and BLCE combo)
2.	BULK LOAD LIMITER, 200kVA (BLCI and BLCE combo)
3.	BULK LOAD LIMITER, 315kVA (BLCI and BLCE combo)
4.	BULK LOAD LIMITER, 500kVA (BLCI and BLCE combo)

Supplier may tender for one item, or all the items listed above, taking into consideration that all items shall be supplied with associated Customer Interface Units (CIUs) and modems.

Successful tenderers at the end of the complete evaluation (on contract award for production phase) shall be required to provide the necessary type test certificates for the field equipment, and training material as well as providing ongoing product training and support.

2.2 Normative references

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

- [1] Eskom 240-170001198, *Bulk metered points load controller standard*.
- [2] Eskom 240-170001064, *Governance Rules and Processes for Managing the Technically Evaluated and Accepted Products (TEAP) Database in Eskom Distribution*

3. Technical Returnable for RFQ

Suppliers shall provide the following information:

- 1) All submissions and/or documents required for compliance with mandatory requirements outlined in section 4.1 of this document.
- 2) Excel files (mandatory requirements and technical requirements sheet) shall be returned to Eskom in Excel format (electronic) and in addition, converted to Acrobat PDF format for auditing purposes (named "Technical Schedule for Bulk Load Limit Solution")

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- 3) Details regarding the make and model numbers of all items offered and auxiliary components.
 - 4) Data sheets, brochures and detailed product manuals for all components offered.
 - 5) Kiosk mechanical and electrical drawings and data sheets for BLCE detailing among others the breaker size (where used), type of steel, etc.

4. Technical Evaluation

This section details the methodology to be employed by Eskom in scoring the Technical Evaluation Phase. The Technical Evaluation is made up of the following phases:

Phase I: Mandatory Requirements

Phase II: Technical requirements

Phase III: Demonstration

The evaluation process to be followed is documented below:

- a) After receiving the bids, the mandatory requirements phase of the evaluation process will be conducted. Where a product does not meet mandatory requirements, the product will not be evaluated further.
- b) Products that have successfully gone through the mandatory requirement evaluation will be subjected to the technical requirements evaluation based on Technical Schedule for Bulk Load Limit Solution.
- c) Supplier who scores above the threshold stated under technical requirements shall be subjected to further Commercial evaluation.
- d) Where a product scores below the threshold of the technical requirements evaluation phase, the product will not be evaluated further.

4.1 Phase I: Mandatory Requirements

Each tender shall pass all Mandatory Requirements of technical evaluation. Tenderers not meeting any of the Mandatory Requirements shall be excluded from further evaluation.

Table 2: Mandatory Requirements

Mandatory Requirements		Evidence required
1.	Excel files (mandatory requirements and functional evaluation sheet) are completed – Technical Schedule for Bulk Load Limit Solution.	Completed sheet submitted
2.	Commitment and declaration to fully integrate field devices (smart meters and DCUs) with Eskom approved HESs within 2 months of contract award.	Declaration on signed company letterhead.
3.	Detailed technical manuals provided.	Technical manuals
4.	Commitment and declaration to train Eskom employees on the operation and maintenance of the equipment supplied.	Declaration on signed company letterhead

The Mandatory Requirements above are included in the “Technical Schedule for Bulk Load Limit Solution” Excel document as a separate Tab/Sheet and should be completed by all tenderers.

4.2 Phase II: Technical requirements

The Functional Evaluation Phase shall be scored as follows:

Table 3: Technical Requirements scoring

Technical category	Weightings
Functional Evaluation	100
Total	100%
Minimum threshold for qualification	70%

The scoring of different use cases under the functional evaluation phase shall be as follows:

Table 4: Scoring of items in Technical Requirements Sheet

Criteria	Score
Fully compliant (Indicated as Y in A&B Schedules)	3
Partially compliant - minor deviation (Indicated as P in A&B Schedules)	1
Non-compliant - major deviation (Indicated as N in A&B Schedules)	0

Where a supplier scores above 70% but not 100%, the suppliers shall be required to meet all use cases that were not met as part of a contractual agreement for supplying the equipment.

4.3 Phase III: Demonstration

The tenderers whose products meet the Phase II threshold shall be invited to demonstrate the functionality of their solutions. The demonstration may be conducted using the tenderer's own HES. The product demonstration will be scored by the Eskom technical team using the Technical Demonstration sheet. The threshold and scoring methodology stated in Table 3 and Table 4 herein shall also apply to the demonstration.

5. Authorization

This document has been seen and accepted by:

Name and surname	Designation
Aletta Mashao	Senior Manager: Technology and Engineering
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6. Revisions

Date	Rev	Compiler	Remarks
February 2024	1	M E Makwarela	New document required for the issue of enquiry

7. Development team

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

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- Deon Van Rooi

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8. Acknowledgements

Not applicable.