
	Request for Information (RFI)	Document Identifier	240-72663051	Rev	4
		Effective Date	17 June 2025		
		Review Date	June 2030		
		RFI Number	E2857DXGOU		

PART A REQUEST FOR A REQUEST FOR INFORMATION (RFI)			
Description of the works/goods/services	Proposal sought for Self-Resetting Pole Mounted Transformer		
RFI Number	E2857DXGOU		
Deadline for submission	14 July 2026	At (South African Standard Time)	10H00am
RFI are to be submitted electronically via Eskom E- tendering site by the stipulated closing date and time. <i>Please note it is the responsibility of the supplier to ensure that RFI submission is submitted before the closing date and time</i>	Eskom E- tendering site: https://etendering.eskom.co.za/		
Electronic Submission of RFI	<p>The tenderer must upload the tender via Eskom Tender bulletin site on the Eskom E- tendering page.</p> <p>All documents need to be submitted in a PDF format (The upload size per document is 500 megabytes and total submission is restricted to 4 gigabyte).</p> <p>No Zip/condense files can be uploaded No hard copy will be accepted</p> <p>If for some reason you resubmit your RFI, then the latest version of the RFI submitted will only be accepted and all previous submission/s will be null and void.</p> <p>Please ensure that the submission status is indicated as complete.</p> <p>Supplier Help Manual guide and video can be found on Eskom E-Tendering page</p>		
E-tendering Help Manual for supplier	Help Manual Attached		

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Eskom Holdings SOC Ltd (“Eskom”) invites you to submit an:

Request for information (RFI) to submit information for the works/goods/services as stated in the table. This RFI is a stand-alone information-gathering and market-testing exercise, intended only to inform and assist Eskom’s further deliberation and development of a strategy for the **Self-Resetting Pole Mounted Transformers**. Eskom may request indicative prices if so, stated in this RFI.

A. Introduction

Eskom’s large installed base of MV pole-mounted transformers (Trfr) are exposed to overloading, which accelerates the degradation of their internal insulation systems (paper and oil) and ultimately leads to premature transformer failures.

At present, overload protection in oil-filled transformers is typically provided through LV fuses and MCBs. However, the business is exploring the use of oil temperature monitoring, where a critical thermal set point triggers a trip, and the transformer is automatically restored once the oil temperature returns to a safe minimum level. This approach aims to prevent insulation damage and extend transformer life.

The main purpose and objective of this RFI is to:


- Improve Eskom ability to safeguard the network against overloading conditions
- Optimize Resource Management
- Ensure the security and reliability of Eskom’s network through proactive measures against vandalism and theft.
- Improve customer satisfaction

B. Scope

Proposals are sought for a Self- Resetting Transformer solution (per the functional requirements detailed below), to detect overloading conditions of Pole Mounted Transformers, that will disconnect the load if the Transformer’s thermal limit is reached, and once its temperature has “recovered” to acceptable level, will automatically reconnect the load, thus minimizing operator onsite intervention and customers outage time. As the Transformer is a static AC machine re windings with magnetic iron core not dissimilar to an AC Motor,

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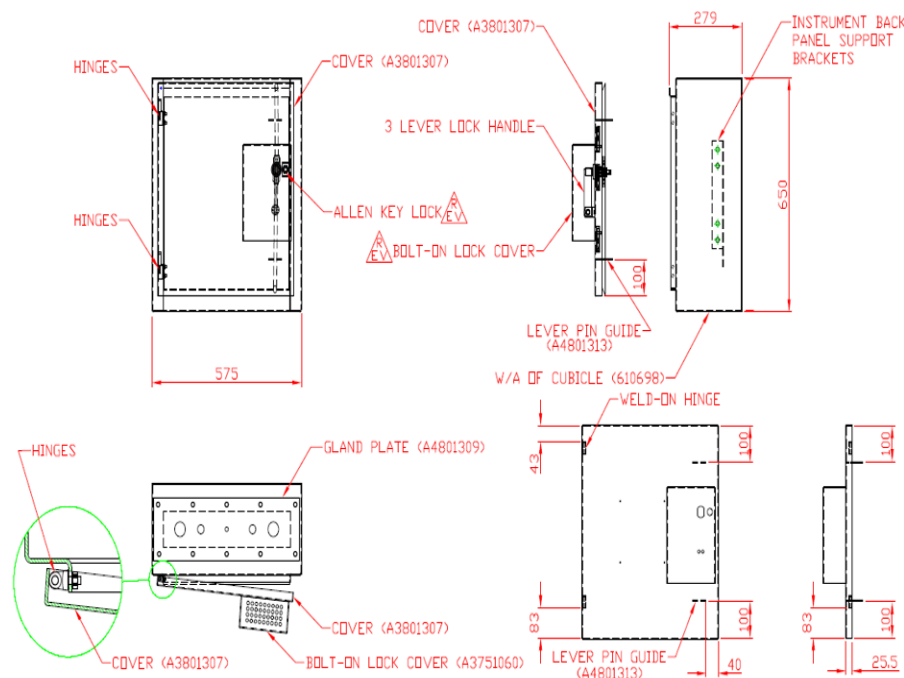
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the possibility to utilize similar techniques applied to LV Motor thermal protection is one possible solution amongst others.

C. Requirements


1. The proposed designs should be robust, reliable, and cost effective.
2. Complex designs with proprietary components and software should be avoided.
3. The solutions must ensure that if the Transformer's thermal limit is reached i.e. 110°C - 120°C, that the LV Load (400V) is disconnected. Automatic reconnection of the load should only occur once the Transformer temperature has recovered to an acceptable thermal level i.e. <50°C, with consideration for suitable Hysteresis band (temperature / time) to ensure stable operation (avoid hunting).
4. Proof of concept for submitted solutions using a heat run test will be required.
5. The thermal monitoring relay should be adjustable.
6. The proposed design should be able to fit inside an enclosure attached to the transformer tank on LV.

The dimensions (length 575mm, height 650mm, depth 279mm) see drawing/picture below:



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D. Normative references

240-45395762- Specific requirements for Distribution Pole and Ground Mounted Transformers up to 33 KV and 1MVA.

Eskom has delegated the responsibility for this **RFI** to the signatory of this document, whose details can be found below.

Eskom Representative

Ms. Kgomotso Sinyosi
Assistant Officer Procurement
Tel: (011) 800 8000
Email: SinyosKM@eskom.co.za


RFI Clarification meeting:

Date: 04 June 2026

Venue: MS Teams

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Link: <https://teams.microsoft.com/meet/373052154368529?p=r0bxMnGOfF9PVyD7Oq>

We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Salebona Kutumela	Manager Procurement		14/05/2026
Telephone number		Fax and/or e-mail address	

PART B
RESPONSE SHEET IN TERMS OF A REQUEST FOR A REQUEST FOR INFORMATION
To be completed by the supplier


To	Eskom Holdings SOC Ltd	Date	
Attention			
Tel no		Fax no and /or e-mail address	
From		Address	
Address			
Sender			
Description of the works/goods/services			

Please find below our response to Eskom's questions:

No.	Question	Please indicate your response in this column
1.	Your contact's name and contact details.	
2.	Company registration number	
3.	Brief description of previous experience and Description of the solution that you can offer.	(Suppliers to attach response in pdf)

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4.	Indicative prices (optional and only for use of RFI's)	
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Yours faithfully

Name	Designation	Signature	Date
Telephone number		Fax and/or e-mail address	

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