PART A REQUEST FOR INFORMATION (RFI) RFI NUMBER: E3799DXNCOU			
Description of the works/goods/services	***Provide a single view condition monitoring solution for power transformers and for HV circuit breakers (≥66kV to ≤132kV)***		
Deadline for submission	***07 December 2026***	**At (South African Standard Time)**	**10h00**
Tender Office address	**Tenders are to be uploaded via Eskom Tender bulletin site on the Eskom E- tendering page.**		
RFI is to be submitted electronically via Eskom E- tendering site by the stipulated closing date and time.	**Tenders are to be uploaded via Eskom Tender bulletin site on the Eskom E- tendering page:** ***https://etendering.eskom.co.za*** ***Please note it is the responsibility of the supplier to ensure that RFI submission is submitted before the closing date and time.***		
Electronic Submission of RFI	The tenderer must upload the tender via Eskom Tender bulletin site on the Eskom E- tendering page. **NOTE WELL: All documents need to be submitted in a PDF and Excel format, where applicable.** (The upload size per document is 500 megabytes and total submission is restricted to 4 gigabyte). No Zip/condense files can be uploaded No hard copy will be accepted 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. Please ensure that the submission status is indicated as complete. Supplier Help Manual guide and video can be found on Eskom E-Tendering page		

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E-tendering Help Manual for supplier	E-tendering Help Manual for supplier -

Eskom Holdings SOC Ltd ("Eskom") invites you to submit a:

- **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 provision of a single view condition monitoring solution for power transformers and for HV circuit breakers (≥66kV to ≤132kV). Eskom may request indicative prices if so stated in this RFI.

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

We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Annelize Kruger	***Senior Advisor, Procurement***		06/11/2026
Telephone number	**0833881580**	**Fax and/or e-mail address**	krugera@eskom.co.za

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PART B RESPONSE SHEET IN TERMS OF A REQUEST FOR INFORMATION RFI NUMBER: E3799DXNCOU To be completed by the supplier			
To	Eskom Holdings SOC Ltd	**Date** ***[insert today's date]***	
Attention	Annelize Kruger		
Tel no ***[insert your tel number]***		**Fax no and /or e-mail address** ***[insert your fax number and/or e-mail address]***	
From ***[insert the registered full legal name of the company]***		**Address** ***[insert the business address of the company]***	
Address ***insert the physical address of the company]***			
Sender ***[insert the full name of the sender at the company]***			
Description of the works/goods/services	***Provide a single view condition monitoring solution (sensors) for power transformers and for HV circuit breakers (≥66kV to ≤132kV)***		

Please find below our response to Eskom's questions:

No.	Question	Please indicate your response in this column
1.	***Your contact name and contact details***	
2.	***Company registration number***	
3.	***Brief description of previous experience and description of the solution that you can offer***	

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4.	***Indicative prices (optional)***	
5.	***Add applicable questions/comments***	

1. INTENT OF THIS RFI

The intent of this RFI is strictly an information-gathering and market-testing exercise, intended only to inform and assist Eskom's further deliberation and development of a strategy.

The other purpose of this RFI is to **identify, evaluate and understand commercially available online condition monitoring technologies** capable of providing an integrated view of the health and performance of Eskom's power transformers and HV circuit breakers.

Specifically, the RFI seeks to:

- Determine which transformer and circuit-breaker parameters can be **continuously measured or calculated online**.

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- Assess the **sensors, IoT devices and communication protocols** required for implementation.
- Establish whether the different monitoring parameters can be consolidated into a **single dashboard and asset health index**.
- Evaluate capabilities for **real-time monitoring, trending, diagnostics, alarms, analytics and automated reporting**.
- Determine the ability of solutions to provide **early warning of equipment deterioration and developing failure conditions**.
- Assess how monitoring information can support **condition-based and predictive maintenance**, maintenance prioritisation and asset life-cycle management.
- Understand the **cost attributable to individual monitoring functions and the total integrated solution**.
- Assess solution maturity and integration capability before Eskom considers subsequent **pilot implementation, technology evaluation or procurement**.

2. IMPORTANT NOTES

2.1 Due to the specific need that this RFI process must fulfil, Eskom wishes to clarify that this invitation is not intended to impede, amend, or replace any current or future procurement process that Eskom has engaged in or will engage in.

2.2 Eskom reserves the right, in its absolute discretion, at any stage and without notice, to terminate further participation in the process by any Party, to select or disqualify any interested participant from further engagement, to amend and/or terminate this RFI process or any future process pursuant to this process.

2.3 This RFI is a market-testing exercise, intended only to inform and assist Eskom's plans in pursuing permanent solutions related to provision of a single view condition monitoring solution (sensors) for power transformers and for HV circuit breakers (≥66kV to ≤132kV).

2.4 Any and/or all information submitted by any and/or all respondents may be used without the necessity of acknowledging the source, and without such entity gaining any rights in respect of such a solution, including but not limited to any intellectual property rights.

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2.5 No portion of any of the information submitted will be treated as confidential and respondents should NOT submit sensitive or confidential information.

2.6 Any information provided pursuant to this RFI process and any subsequent processes and/or engagement is not confidential. Through making a submission a respondent accepts the terms and conditions which governs this process.

2.7 All participants responding to this RFI process need to ensure that they have received all information and remain solely responsible for satisfying themselves as to the information required in responding hereto and are fully responsible for all costs incurred in relation hereto and under no circumstances will any resultant cost be borne by Eskom.

2.8 Where any information or clarification is required, please do not hesitate to send an email to Annelize Kruger at KrugerA@eskom.co.za.

3. EXECUTIVE OVERVIEW

Eskom Distribution (GEMMA Cluster), a division of Eskom Holdings SOC Limited, is investigating an **integrated online condition monitoring solution for power transformers and high-voltage circuit breakers** to improve asset visibility, reliability, maintenance decision-making, and early detection of developing equipment defects. The proposed solution is expected to consolidate condition, operational and diagnostic information from multiple sensors and monitoring devices into a **single monitoring platform, dashboard and/or asset health index**, enabling near real-time assessment of critical plant condition.

For **power transformers**, the solution should integrate key parameters including dissolved gas analysis (DGA), moisture and oil condition, thermal and insulation ageing, loading, OLTC condition and operations, bushing condition, partial discharge, cooling-system performance, temperatures, oil level/pressure and associated alarms and maintenance indicators.

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For **HV circuit breakers from 66 kV to 132 kV**, the solution should provide monitoring of operating counters, opening and closing times, operating speeds and contact travel, spring-charging mechanisms, trip and close coils, electrical contact resistance, and SF_6 gas-system parameters.

The RFI will be used to assess available technologies and suppliers in terms of **technical functionality, maturity, sensor/IoT requirements, communication protocols, integration capability, analytics, asset-health assessment, dashboards, alarms, reporting and cost**. Suppliers may also be required to demonstrate how transformer and circuit-breaker monitoring parameters are integrated within a common user interface.

The intended outcome is to support a transition from predominantly **time-based and reactive maintenance toward condition-based and predictive asset management**, providing earlier warning of deterioration and stronger information for maintenance prioritisation and asset life-cycle decisions.

4. SCOPE OF WORK

The detailed scope of work is included in the attached Excel document.

Transformer and CB Monitoring RFI_24 Jul

5. SUBMISSIONS FOR THIS RFI

<u>The following information is requested with this RFI.</u>

5.1 Complete the Excel document with relevant information and indicative pricing, as required, for power transformers and/or HV Circuit Breakers, and submit as a tender returnable in both Excel and PDF format.
Note: Any additional supporting information and documents may be submitted.

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5.2 The completed and signed RFI document.

Yours faithfully

Name *[insert your full name/s]*	Designation *[Insert your full designation]*	Signature	Date
Telephone number		**Fax and/or e-mail address**	

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