

	Request for Information (RFI) Template	Document Identifier	240-72663051	Rev	1	
		Effective Date	October 2022			
		Review Date	October 2027			
		RFI Number	MWP1906CX			

PART A REQUEST FOR INFORMATION (RFI)			
Description of the services	Real Time GIC Monitoring for Large Power Transformers		
Deadline for submission	26 April 2023	At (South African Standard Time)	10:00AM
Tender Office address	Retail Centre Megawatt Park 1 Maxwell Drive Sunninghill 2000		

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 table A below. 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 Real Time GIC Monitoring for Large Power Transformers. 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.

Name	Designation	Signature	Date
Zekhaya Nzima	Senior Advisor Procurement		24 March 2023
Telephone number	011 516 7042	Fax and/or e-mail address	

We look forward to receipt of your response.

Yours faithfully



Shamani Padayachee
Corporate Procurement Manager

24 March 2023

Date:

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1. BACKGROUND INFORMATION

Eskom has identified the need for real time monitoring of solar storm intensity on its integrated power system (IPS) that will assist in making adequate recommendations and designing fit for purpose resilience programs and practices.

2. OBJECTIVE OF THE RFI

Eskom is requesting information on commercially available technologies that can continuously measure and monitor the following parameters during a solar storm, at selected sites:

- Geomagnetically induced currents (GIC) flowing in the neutrals of large power transformers (GIC loggers), or any other location on the network based on the device methodology.
- Magnetic field strength and direction (magnetometers)

The technologies should have data acquisition, display, download, communication and interfacing capabilities (with existing Eskom infrastructure).

The technology will aim to assist Eskom on the following:

- Making adequate recommendations and designing fit for purpose resilience programs and practices in the event of a solar storm.
- Adequate specification of equipment for safe and reliable operation during solar storms.
- Adequate network configuration during solar storms.

3. CLARIFICATION MEETING

A clarification meeting on this RFI will take place as follows:

Date: Tuesday, 04 April 2023

Time: 11:00AM – 12:30PM (South African Standard Time)

Venue: MS Teams

Please find the meeting link on the meeting folder.

[Click here to join the meeting](#)

4. METHOD AND PLACE OF RFI DELIVERY

All the responses must be sealed and be delivered at the tender box located at the following:

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THE TENDER OFFICE
Eskom Megawatt Park Tender office
Northside (Retail Centre)
Maxwell Drive
Sunninghill

All RFI responses must be clearly marked: “MWP1906CX Real Time GIC Monitoring for Large Power Transformers”

FORMAT OF SUBMISSION

The respondent shall be submitted as 1 (one) printed original RFI, 1 (one) printed copy, plus 1 USB of the submission.

PART B RESPONSE SHEET IN TERMS OF A REQUEST FOR AN EXPRESSION OF INTEREST/ REQUEST FOR INFORMATION To be completed by the supplier			
To	Eskom Holdings SOC Ltd	Date	<i>TBC</i>
Attention	Zekhaya Nzima		
Tel no	011 516 7042	E-mail address	NzimaZZ@eskom.co.za
From		Address	
Address			
Sender			
Description of the works/goods/services			

Please find below our response to Eskom’s questions:

Table A

No.	Question	Please indicate your response in this column
1	Original Equipment Manufacturer (OEM) Name and Contact Details	

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2	OEM Company registration number	
3	Local Supplier/Agent Name and Contact Details	
4	Local Supplier/Agent Company Registration Number	
5	Product Name	
6	Product Description	
7	Product Technical Specifications	
8	Set-up and testing/monitoring procedure	
9	Equipment installation, maintenance and repair manuals	
10	Data acquisition, display and communication protocols	
11	Parameters Measured	
12	Years on the Market	
13	Expected Life Cycle Interventions and Associated Life Cycle Costs	
14	Maintenance Requirements	
15	Calibration Requirements (Frequency, indicate whether it can be done locally or only internationally, and if onsite calibration is possible)	
16	Repair Requirements (Locally or only Internationally, and if onsite repair is possible)	
17	Spares Availability (Locally or only Internationally)	
18	Training requirements on use of equipment and interpretation of results	
19	Local and International Usage of the equipment - Describe local and worldwide usage by country, utility/company name, periods used.	
20	Case Studies/Reports/Literature/Publications Based on Product Experience/Usage	
21	Applicable standards of the technology	
22	Indicate whether a subscription fee based model for access to the data is used	
23	Indication of the cost of the equipment	
24	Lead time for the supply & delivery of the equipment	

Yours faithfully

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

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