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

PART A REQUEST FOR INFORMATION (RFI)			
<b>Description of the services</b>	Real Time GIC Monitoring for Large Power Transformers		
<b>Deadline for submission</b>	26 April 2023	<b>At (South African Standard Time)</b>	10:00AM
<b>Tender Office address</b>	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
<b>Zekhaya Nzima</b>	<b>Senior Advisor Procurement</b>		24 March 2023
<b>Telephone number</b>	011 516 7042	<b>Fax and/or e-mail address</b>	

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.**

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


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, <b>and</b> if onsite calibration is possible )	
16	Repair Requirements (Locally or only Internationally, <b>and</b> 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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