

	Expression of Interest (EOI) or Request for Information (RFI) Template	Document Identifier	240-72663051	Rev	1
		Effective Date	October 2022		
		Review Date	October 2027		
		RFI Number	MWP2410CX		

PART A REQUEST FOR AN EXPRESSION OF INTEREST (EOI)/ REQUEST FOR INFORMATION (RFI)			
Description of the works/goods/services	Request for information on dry type surge arrestors applicable to medium voltage induction motors.		
Deadline for submission	08 March 2024	At (South African Standard Time)	10H00
Tender Office address	Retail Centre Megawatt Park 1 Maxwell Drive Sunninghill 2000 VERY IMPORTANT TO NOTE IS THAT TENDERS DELIVERED LATE TO THIS ADDRESS WILL NOT BE ACCEPTED		

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 on dry type surge arrestors applicable to medium voltage induction motors.

Eskom has delegated the responsibility for this **RFI NO-MWP2410CX** 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
Damela Mathetja	Procurement Manager		29.01.2024
Telephone number	011 800 5611	Fax and/or e-mail address	

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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	26 January 2024
Attention	Monica Shuping		
Tel no	017 779 8699	Fax no and /or e-mail address	shupindm@eskom.co.za
From		Address	
Address			
Sender			
Description of the works/goods/services	Request for information on dry type surge arrestors applicable to medium voltage induction motors.		

Please find below our response to Eskom's questions:

No.	Question	Please indicate your response in this column
1.	<i>your contact name and contact details</i>	
2.	<i>Company registration number</i>	
3.	<i>brief description of previous experience and Description of the solution that you can offer</i>	
4.	<i>Indicative prices (optional and only for use of RFI's)</i>	
5.	<i>Add applicable questions</i>	

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1. BACKGROUND INFORMATION

Eskom has a large fleet of Motors and a significant percentage of it is approaching expected lifespan, which makes life management of this Motors through reliable condition monitoring and assessment techniques critical. Medium voltage motors are a critical component and forms integral of a Generation Stations and can contribute significantly to stations unplanned capability loss factor (UCLF).

Eskom medium voltage motor surge arrestors have suffered several catastrophic failures and these surge arresters tend to fail in-service due to several causes such as oil leaks, and dust ingress which sometimes they escalate to a flash over and fire incidents. This contamination on the surge arrestor surface forms a conductive layer which eventually cause a flash over that escalate to a fire incident. The aim of this project is to get a dry type of surge arrestor information for medium voltage motor application.

2. INFORMATION THAT NEEDS TO BE PROVIDED IS AS FOLLOWS:

Suppliers are required to submit the following information regarding commercially available dry type surge arrestor technologies applicable to medium voltage induction motors, as hard copies and electronic copies:

- Supplier Name
- Product Name
- Product Description
- Main technical data and specifications
- Years on the Market
- International Usage (Describe worldwide usage – country, utility/company name, period used)
- Expected Life Cycle and associated life cycle costs
- Test methodology and procedures used to evaluate in service performance of the technology
- Technology historical failure rates
- Operating Requirements
- Installation procedure
- Maintenance Requirements
- Repair Requirements (Local or International)
- Spares Availability (Local or international)
- Case Studies/Reports/Literature based on historical product experience/usage on medium voltage induction motors
- Applicable international standards of the technology
- Estimated costs of the surge arrestor technology

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3. BENEFITS TO ESKOM

The implementation of a surge protection arrestor technology for protecting medium voltage induction motors is a value-based investment decision making method that is aimed to save revenue loss for the organisation and reduce medium voltage motors downtime. The new solution of surge arrestor for protecting medium voltage motors has the following benefits for the business:

- Providing a reliable solution to protect the insulation system of the medium voltage induction motors that are installed at Eskom generation.
- Avoid the unplanned power outage and load losses because of motor insulation failure due to over voltage surges caused by lightning and switching events.

All RFI responses must be clearly marked: “MWP2410CX Request for Information (RFI) on the MV Motor Surge.

FORMAT OF SUBMISSION

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

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