	Request for Information (RFI)	Document Identifier	240-72663051	Rev	1
		Effective Date	October 2022		
		Review Date	October 2027		
		EOI/RFI Number	MWP2232TX		

PART A REQUEST FOR INFORMATION (RFI)			
Description of the works/goods/services	Request for Information for alternative Fibre (Mass Fibre) deployment on existing Transmission Lines		
Deadline for submission	02 November 2023	At (South African Standard Time)	10h00
Tender Office address	The Tender Office North Side Megawatt Park 01 Maxwell Drive Sunninghill, Sandton 2191		

We are seeking information on the metal alloy self-support (MASS) fibre for exiting transmission lines. Currently in Eskom the fibre optic cable network constitutes an integral component of the Eskom telecommunications network and thereby supports the provision of bandwidth and reliable telecommunications services as required by Eskom's business systems. Over 3000 km of the network is ADLash™ cable which has reached end of life and the optical performance has deteriorated. This fibre cable needs to be replaced.

The scope of work will entail further investigation into the MASS fibre more so from a line-line installation perspective. Below is a list of questions to the market which will cover any further uncertainty regarding MASS fibre deployment. The questions are categorised into three parts, general questions, supplier profile details and Eskom's requirements.

The tenderer must submit the tender as a complete original tender, plus one (1) **hard copy** of the original tender at tender submission deadline. Eskom may also require that one (1) additional complete soft copy of the original tender is required in electronic format.

Where a Tenderer does not submit 1 hard copy of the original tender at tender submission deadline, the tenderer will be disqualified.


We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Ofhani Masakona	Assistant Procurement Officer		
Telephone number	013 297 9690	E-mail address	<a href="mailto:TshikoO@eskom.co.za">TshikoO@eskom.co.za</a>

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PART B 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			

**1. Please find below our response to Eskom's questions:**

No.	Question	Please indicate your response in this column
a)	Please list the countries within which you operate	
b)	Please list any holding / parent / subsidiary companies and attach company structure if applicable.	
c)	If you are not within South Africa. Do you have agents operating within South Africa?	
d)	What products/ services other than MASS fibre do you provide? (Alternatively, attach a brochure)	
e)	What is your company's BEE status? (Applicable for S.A. companies only)	
f)	What technical, safety and quality standards do you conform too for the manufacture of MASS fibre?	
g)	Does your company monitor the following key performance indicators? Quality, Manufacturing, On	

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	Time Delivery, Order Fulfilment, Cost, Customer Satisfaction, Health and Safety, Environment, Inventory	
h)	What is your delivery lead times?	
<b>2. Supplier Profile Questions:</b>		
a)	Please indicate whether you are a Manufacturer, Distributor, or Agent?	
b)	If not a manufacturer, please indicate your source of the product you offer?	
c)	Do you have in-house laboratories or testing facilities?	
d)	Do you conduct any design or type testing of your product? If yes, please provide detail of tests conducted and results/proof	
e)	Is the testing done in-house or outsourced? If outsourced, does additional costs apply?	
f)	Do you provide your own delivery service or use an alternative logistics provider?	
g)	Do you import any materials used to manufacture MASS fibre? If YES, please specify and provide the material certificates	
h)	What are some of the risks that you would foresee in entering a medium to long term contract for the supply of MASS fibre to Eskom?	
i)	List the top 5 companies/utilities you supply MASS fibre to?	
j)	List your top 5 competitors of MASS fibre?	

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k)	Please provide a list of references for the supply of MASS fibre (with voltages) in your home country as well as other countries?	
l)	Would you allow manufacturing inspection/witnessing tests?	
m)	Would you be prepared/able to provide samples on request?	
<b>3. Eskom's Requirements:</b>		
a)	Are you an approved Eskom Vendor?	
b)	Please indicate what information you would require in order to accurately tender for the supply of MASS fibre to Eskom	
c)	On what voltage lines can the MASS cable be installed?	
d)	Based on experience, what is the lifespan of MASS fibre once installed and what factors impact the durability once installed?	
e)	Is live installation possible? If yes, up to what voltage is live installation possible?	
f)	What safety measures need to be adhered to prior to installing each MASS?	
g)	What influence will the installation of MASS have on the earthing of the line? (It is after all installed in parallel to the exiting guard wire)	
h)	Must the MASS installation be bonded or insulated on steel towers? Explain	

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i)	Must the MASS installation be bonded or insulated on wooden/concrete towers? Explain	
j)	What hardware is required to install the cable under consideration on the grid infrastructure?	
k	Are there any span length restrictions with respect to attaching MASS fibre to power line structures?	
l)	What fault management practices are available to reduce time of unavailability during faulty conditions?	
m)	What design principles/ checks must be done to select MASS for a specific line installation.	
n)	What specification governs the selection and installation of MASS on a specific line	
o)	Please provide an indicative cost breakdown of the MASS fibre (for the various voltage levels) i.e. labour, production, raw materials, also with regards to transportation i.e. shipping, transport, insurance	
p)	Provide indicative costs of attachment hardware (for various voltage levels) for the abovementioned MASS fibre cables?	
q)	Please specify the storage and handling requirements for MASS fibre?	

Yours faithfully

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

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