

	<b>Expression of Interest (EOI)/ Request for Information (RFI)</b>	<b>Template Identifier</b>	240-72663051	<b>Rev</b>	1
		<b>Document Identifier</b>	N/A	<b>Rev</b>	N/A
		<b>Effective Date</b>	01 August 2016		
		<b>Review Date</b>	September 2022		
		<b>EOI/RFI No.</b>	RFI/ERI/2023/TGS/05		

## PART A

### REQUEST FOR AN EXPRESSION OF INTEREST (EOI) /REQUEST FOR INFORMATION(RFI)

<b>Description of the works/goods/services</b>	<p>Eskom is faced with the ailing fleet of power stations which requires extensive and innovative maintenance. This, in turn, requires advanced repair methods, like robotic welding, to build-up the Rotor journals, casing's locating landings, valves locating landings and other related components, to design sizes.</p> <p>Eskom Rotor journals (Kriel, Duvha, Majuba, and Tutuka LP's) were previously machined to correct mechanical damage (grooves) and wearing that had occurred during operations. Machining of these journals resulted in sub-standard journals, and thereby limiting the interchangeability of the rotor within the same fleet. Therefore, the solution to this problem is to weld build the journals to design sizes.</p> <p>Humans are not completely removed from the usage of robotic welding systems. To use a robotic welding unit, programs are inputted via the teach pendant and saved to the controller, telling the robot what to do. These programs move the welding robot and dictate the movement of the torch on the end of its arm, placing it exactly where it needs to perform tasks. Robotic welding needs to be supervised constantly and maintained by a trained operator or someone certified for this skill.</p> <p>The rotor will have to be coupled to a rotating table and secured on the rollers to aid with the rotation during welding. The robot is programmed to follow a certain path to weld. A short calibration (integration) of the rotating rotor and the robot is performed. Welding commenced when the electrode reaches the required position. Then the welding head travels along the programmed pathway resulting in neatly welded seams.</p>					
<b>Deadline for submission</b>	<b>06 Oct 2023</b>	<b>At (South African Standard Time)</b>		<b>16h00</b>		
<b>Tender Office address</b>	<b>Tender Office ,Unit 5 , Heritage Office Park, Cnr Hunslet Road and lower Germiston Road</b>					
<b>Clarification Meeting</b>	<p><b>Non-Compulsory clarification Site walk</b>  <b>Date: 26<sup>th</sup> September 2023</b>  <b>Time : 10h00am</b>  <b>Venue: Eskom Rotek Industries</b>  <b>Turbo Generation Services “Workshop Area”</b>  <b>Lower Germiston Road</b>  <b>Rossherville</b></p>					

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	<b>Contact Person :</b> Roy Ramkaran <b>E-mail :</b> <a href="mailto:RamkarR@eskom.co.za">RamkarR@eskom.co.za</a> <b>Tel :</b> 011- 629 – 4894  <b>NB: PPE , Safety Boots and Safety glasses is required for the site walk.</b>
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Eskom Holdings SOC Ltd (“Eskom”) invites you to submit an:

- **Expression of interest (EOI)** to indicate your interest in the works/goods/services as stated in the table above, OR
- **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 robotic welding system. 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
<b>Kushandra Krishna</b>	<b>Snr Buyer</b>		13/09/2023
<b>Telephone number</b>	<b>011-629-4894</b>	<b>Fax and/or e-mail address</b>	krishnk@eskom.co.za

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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**

<b>To</b>	Eskom Holdings SOC Ltd	<b>Date</b>	
<b>Attention</b>	<i>[insert name of Procurement Practitioner as it appears in Part A]</i>		
<b>Tel no</b>		<b>Fax no and /or e-mail address</b>	
<b>From</b>			
<b>Address</b>			
<b>Sender</b>			
<b>Description of the works/goods/services</b>	<i>[insert a description of the works as per part A]</i>		

Please find below our response to Eskom's questions:

<b>No.</b>	<b>Question</b>	<b>Please indicate your response in this column</b>
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>	

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5.	<b>[Add applicable questions]</b>	
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*[Ensure that the EOI / RFI number is inserted in the header]*

*[In all instances where EOI/RFI is stated, please delete the option which is not applicable]*

Yours faithfully

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

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