

	Request for Information (RFI) Template	Document Identifier	240-72663051	Rev	1
		Effective Date	October 2022		
		Review Date	October 2027		
		RFI Number	MWP2183CX		

PART A REQUEST FOR INFORMATION (RFI)			
Description of the works/goods/services	Request for information on a service to Collect, Recycle and Dispose of RT&D Solar Panels in compliance with e-waste management regulations of South Africa.		
Deadline for submission	09 October 2023	At (South African Standard Time)	10h00
Tender Office address	Eskom Megawatt Park Megawatt Park Tender Office Retail Centre 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 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 Request for Information for Low Voltage Compensation Devices. 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.

Pam Nolutshungu
 jiyanebp@eskom.co.za
 011 629 4239

We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Damela Mathetja	Procurement Manager		11/09/2023

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PART B RESPONSE SHEET IN TERMS OF A REQUEST FOR INFORMATION To be completed by the supplier			
To	Eskom Holdings SOC Ltd	Date Insert today's date	
Attention	Pam Nolutshungu Officer Procurement		
Tel no Insert your tel number		Fax no and /or e-mail address Insert your fax number and/or e-mail address	
From Insert the registered full legal name of the company		Address Insert the business address of the company	
Address Insert the physical address of the company			
Sender Insert the full name of the sender at the company			
Description of the works/goods/services	<p>1. The service provider provides information on the method they plan to use for:</p> <ul style="list-style-type: none"> a. Dismantling b. Recycling c. Safe disposal d. Re-use of recycled material <p>2. The cost associated with the collection, recycling, and disposal of PV modules at a certified e-waste handling facility/site.</p> <p>3. The service provider must comply with the South African legislative requirements of Waste Act 59 of 2008.</p> <p>4. The service provider must provide the employer with a recycling/disposal certificate.</p>		

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	<p>5. The information supplied need to cover the following panel type and sizes, especially if there are cost variations expected due to panel type and size:</p> <table border="0"> <tr> <td>Panel Description</td> <td>Panel Output (W)</td> </tr> <tr> <td>Thin Film</td> <td>145</td> </tr> <tr> <td>Polycrystalline</td> <td>300</td> </tr> <tr> <td>Monocrystalline</td> <td>350</td> </tr> </table> <p>SHEQ Requirements</p> <p>As part of this request for information, the service provider needs to take the SHEQ requirements into considerations, especially when providing information on the costing.</p> <ol style="list-style-type: none"> 1. The service provider must have a Waste Management License as per the NEMA: Waste Act (Act 59 of 2008). 2. Comply with the requirements of NEMA: Waste Act (Act 59 of 2008). 3. The service provider must be registered as a recycler. 4. The service provider must be registered as a waste transporter. 5. The service provider must be compliant with the requirements of ISO (14001, 45001, and 9001). 	Panel Description	Panel Output (W)	Thin Film	145	Polycrystalline	300	Monocrystalline	350
Panel Description	Panel Output (W)								
Thin Film	145								
Polycrystalline	300								
Monocrystalline	350								

1. Background/Current state

Research Testing and Development, Rosherville facility has a 400-kW capacity Solar PV Plant. The plant consists of 1180 Thin film and 784 Polycrystalline solar panels. Solar PV Plants usually have minimum operating and maintenance requirements. Solar PV Plants usually have self-operating systems and little mechanical operations. However, solar panels are fragile components which can be damaged due to several causes such as hailstorms, lightning strike, stones, or hard object hitting the surface of the panels. Therefore, as part of the operation and maintenance of a solar plant, panels that are broken/damaged or have reached their end of life will have to be removed from the plant as they become a safety hazard. Broken panels continue to produce electricity even when not installed and therefore have current flowing in their cells and can have current leaks that could cause shock on humans and animals.

Removing decommissioned panels from the Solar plant structure is the first step to mitigating the harm that such panels can cause; the next step would be to dispose of the panels in an environmentally responsible manner. Decommissioned/ Broken solar panels are classified as electronic waste which requires legally compliant handling, storing, and recycling to ensure compliance with the National environmental management Act: Waste Act (Act 59 of 2008).

Solar panels are not allowed to be disposed of at a landfill or any other way, this is a ban that South African government has put on e-waste disposal at landfills as of August 2021. South African regulations stipulate that Solar Panels can only be recycled at a licensed recycling facility.

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2. Requirements

Suppliers are to respond to Sections A1 and A2 in the Appendices of this report. The Eskom technical team will evaluate the submissions following the Commercial process.

3. Format, Method, and place of delivery

Format of Submission

The response must be submitted as **1 (one) printed original RFI**, plus **1 (one) printed copy**.

Method and place of delivery

All responses must be sealed and delivered before the closing date and time to the tender box located at:

Eskom Megawatt Park
Tender Office
Retail Centre
1 Maxwell Drive
Sunninghill
2000

Please find below our response to Eskom's questions:

No.	Question	Please indicate your response in this column
1.	Your contact's name and contact details	
2.	Company registration number	
3.	Brief description of previous experience and Description of the solution that you can offer	
4.	Indicative prices (optional and only for use of RFI's)	

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5.	At what stage of development is the device (e.g., still a concept, in the laboratory stage, commercially available)?	
6.	Description of operation of the device.	
7.	<p>Please provide the details of where the device has been used in practical installations. The information to include, inter alia, the following:</p> <ul style="list-style-type: none"> • Year of installation. • Level of Low voltage at the installation (1000V and below). • Sizing of the device. • Cost of the device. • Detailed discussion of the problem that the device was to solve. • Why the device was selected as the preferred technology. • Availability of models for the device e.g., Retic Master and/or Power Factory. • Training required to gain competence in planning studies by Eskom employees to be provided by the supplier. 	

Yours faithfully

Name	Designation	Signature	Date
Pam Nolutshungu	Officer Procurement		06/09/2023
Telephone number	011 629 4239	Fax and/or e-mail address	jiyanebp@eskom.co.za

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