

 Eskom	Request for Information (RFI) Template	Document Identifier	240-72663051	Rev	1
		Effective Date	October 2022		
		Review Date	October 2027		
		RFI Number	MWP2261CX		

**PART A
REQUEST FOR INFORMATION (RFI)**

Description of the works/goods/services	Request for information on a service to Collect, Recycle and Dispose of Research Testing and Development Solar Panels in compliance with e-waste management regulations of South Africa.		
Deadline for submission	29 November 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 disposal of solar panels. 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		26/10/2023

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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	26 October 2023
Attention Pam Nolutshungu Officer Procurement		
Tel no Insert your telephone 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	<ol style="list-style-type: none"> 1. The service provider is to provide information on the method they plan to use for recycling and disposal of PV solar panels including: <ol style="list-style-type: none"> a. Dismantling b. Recycling c. Safe disposal d. Re-use of recycled material 2. The cost associated with the collection, recycling, and disposal of PV modules. in an itemised price list 3. The service provider should indicate their compliance status with the South African legislative requirements of Waste Act 59 of 2008. 4. The service provider should indicate if they are a certified e-waste handling facility and if they can provide a recycling/disposal certificate. 	

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	<p>5. The following panel types are used by Eskom therefore the information supplied should relate to the following panel type and sizes, especially if there are cost variations expected due to panel type and size:</p> <table> <thead> <tr> <th>Panel Description</th><th>Panel Output (W)</th></tr> </thead> <tbody> <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> </tbody> </table> <p>SHEQ Requirements</p> <p>As part of this request for information, the service provider needs to indicate the extent of compliance with the following SHEQ requirements.</p> <ol style="list-style-type: none"> 1. Compliance to Waste Management License as per the NEMA: Waste Act (Act 59 of 2008). 2. Compliance with the requirements of NEMA: Waste Act (Act 59 of 2008). 3. Registration as a recycler. 4. Registration as a waste transporter. 5. compliance 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, Rossherville 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.

2.

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3. 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.

4. 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		26/10/2023
Telephone number	011 629 4239	Fax and/or e-mail address	jiyanebp@eskom.co.za

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