	Request for Information (RFI)	Template Identifier	240-72663051	Rev	1
		Document Identifier	N/A	Rev	N/A
		Effective Date	01 August 2016		
		Review Date	September 2022		
		RFI No.	MWP1447CX		

PART A REQUEST FOR INFORMATION (RFI)			
Description of the works/goods/services	Request for Information on the Product Realisation and Innovation		
Deadline for submission	01 August 2022	At (South African Standard Time)	10h00
Tender Office address	Retail Centre Megawatt Park 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 Unsolicited Research and Evaluation of the Product Realisation and Innovation in the following areas:
 - a) Renewables and green technology and storage.
 - b) Application of artificial intelligence (AI), machine learning, blockchain, cyber security, drones, etc.
 - c) Repurposing of fossil fuel fed power plants.
 - d) New energy production technologies.
 - e) Green fuels production and applications.
 - f) Demand side management
 - g) E-mobility.
 - h) Transmission Technologies
 - i) Distribution Technologies
 - j) Generation Technologies
 - k) Waste to Energy Technologies

Eskom has delegated the responsibility for this **RFI** to the signatory of this document, whose details can be found below.

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We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Damela Mathetja	Procurement Manager		22 Jun 2022
Telephone number	011 800 5611	Fax and/or e-mail address	

1. BACKGROUND INFORMATION

The government has provided a framework within which unsolicited proposals/concepts may be considered in state owned enterprises (SOE)

This has created an environment where advantage can be taken, by SOE's of the private sector's capacity to conceptualise, package and develop projects whilst ensuring and protecting public policy objectives at the same time.

To take advantage of these provisions, Eskom through RT&D is scoping the market for novel and innovative solutions that may assist in addressing and alleviating the present challenges experienced by the business to enhance its competitive advantage.

2. OBJECTIVE OF THE RFI

- Reduction of emissions and compliance to national standards;
- Stabilise electricity supply resulting in a gradual cessation of load-shedding;
- Optimum management of municipality debt;
- Acquiring technologies to enable repurposing of fossil fuelled power stations whilst maintaining social cohesion and stability in affected communities and livelihoods.
- Maintaining a competitive stake in power production environment.
- Acquiring a market leader status in power generation, transmission and distribution whilst maintaining a reduced carbon footprint and adopting green energy technologies.
- Knowledge of the market trends in power generation, distribution, and transmission.
- Influence Eskom's corporate strategy and key performance indicators.


METHOD AND PLACE OF DELIVERY

All the responses must be sealed and be delivered at the tender box located at the following:

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THE TENDER OFFICE
Eskom Megawatt Park Tender office
Northside (Retail Centre)
Maxwell Drive
Sunninghill

All RFI responses must be clearly marked: “MWP1447CX Request for Information on the Product Realisation and Innovation”

FORMAT OF SUBMISSION


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

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	22 June 2022
Attention	Zekhaya Nzima		
Tel no	011 516 7042	E-mail address	NzimaZZ@eskom.co.za
From		Address	
Address			
Sender			
Description of the works/goods/services			

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Please find below our response to Eskom's questions:


Table A:

No.	Question	Please indicate your response in this column
1.	Company name and registration number.	
2.	Contact name and details.	
3.	Detailed description of the proposed technology solution.	
4.	Brief description of previous experience on the proposed technology solution.	
5.	At what stage of development is the solution.	
6.	Description of the operation of the solution.	
7.	PLEASE PROVIDE THE DETAILS OF WHERE THE SOLUTION HAS BEEN USED IN PRACTICAL INSTALLATIONS. THE INFORMATION TO INCLUDE, INTER ALIA, THE FOLLOWING:	
7.1	Year of installation.	
7.2	Size of installation.	
7.3	Detailed discussion of the problem that the solution is to solve.	

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7.4	Why is the solution preferred?	
7.5	Has the solution been modelled or simulated? Elaborate on methodology.	
7.6	Technical outcomes/results of the modelling or performance of the installation.	
7.7	Has a Life Cycle Assessment (LCA) of the proposed solution been undertaken (ISO 14040)? If yes, provide detailed assessment.	
7.8	Provide Return on Investment calculations and analysis.	
7.9	List of sites where the solution is planned to be implemented and estimated timelines.	
8.	TECHNOLOGY RESEARCH (If currently in research phase).	
8.1	Detailed studies of the proposed solution.	
8.2	Date of release of the proposed solution: Describe the status of the solution, for example as generally available, solution to be released, solution to be designed or by equivalent terminology.	
9.	TECHNOLOGY SUPPORT IN SOUTH AFRICA	
9.1	List the local and international suppliers of the solution.	
9.2	List the local and international support of the solution.	
9.3	Provide spare management philosophy/ policy	

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9.4	Are specification and operational documents of the solution available?	
10.	TRAINING SKILLS REQUIREMENTS	
10.1	Identify the training/skills requirements to install, operate and maintain the solution.	
10.2	Is the proponent able to provide training for installation, operation and maintenance for the proposed solution to Eskom employees?	

Yours faithfully

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

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