
	Request for Information (RFI)	Document Identifier	240-72663051	Rev	2
		Effective Date	14 March 2025		
		Review Date	March 2030		
		EOI/RFI Number	E1579CXMWP		

PART A REQUEST FOR A REQUEST FOR INFORMATION (RFI) E1579CXMWP			
Description of the works/goods/services	<i>Request for Information on Circulating Fluidised Bed Combustion (CFBC) as a technology option for retrofit/refurbishment or replacement of existing conventional coal fired power plant units</i>		
Deadline for submission	22 August 2025	At (South African Standard Time)	10h00
Enquiries	Njabulo Masango MasangSV@eskom.co.za		
Tender Office address	Tenders are uploaded via Eskom Tender bulletin site on the Eskom E- tendering page.		
RFI are to be submitted electronically via Eskom E- tendering site by the stipulated closing date and time. <i>Please note it is the responsibility of the supplier to ensure that RFI submission is submitted before the closing date and time</i>	<p>The RFI is published on the Eskom Tender Bulletin and National Treasury e-Portal - E1579CXMWP</p> <p>RFI documents are to be uploaded on https://etendering.eskom.co.za</p> <p>Non-Compulsory Clarification Meeting</p> <ul style="list-style-type: none"> • Date: Wednesday, 30 July 2025 • Time: 13h00 (South African Standard Time) • Venue: Microsoft Teams (Click here) 		
Electronic Submission of RFI	<p>The tenderer must upload the tender via Eskom Tender bulletin site on the Eskom E- tendering page.</p> <p>All documents need to be submitted in a PDF and Excel format (The limit is 50MB per file and total submission of 900MB per submissions). No Zip/condense files can be uploaded No hard copy will be accepted</p> <p>If for some reason you resubmit your RFI, then the latest version of the RFI submitted will only be accepted and all previous submission/s will be null and void.</p> <p>Please ensure that the submission status is indicated as complete.</p> <p>Supplier Help Manual guide and video can be found on Eskom E-Tendering page</p>		
E-tendering Help Manual for supplier	Part of documents attached		

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Eskom Holdings SOC Ltd ("Eskom") invites you to submit a:

- **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 **Circulating Fluidised Bed Combustion (CFBC) as a technology option for retrofit/refurbishment or replacement of existing conventional coal fired power plant units.** Eskom may request indicative prices if so stated in this RFI.

Eskom has delegated the responsibility for this RFI to **Njabulo Masango** MasangSV@eskom.co.za

We look forward to receipt of your response.

Yours faithfully


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Shamani Padayachee
Corporation Procurement Manager

Date: 18 July 2025

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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	
Attention	Njabulo Masango		
Tel no		Fax no and /or e-mail address	
From		Address	
Address			
Sender			
Description of the works/goods/services	Request for Information on Circulating Fluidised Bed Combustion (CFBC) as a technology option for retrofit/refurbishment or replacement of existing conventional coal fired power plant units		


Scope of work/supply

The scope of this RFI is as follows:

- To provide details of your national and/or internal footprint in terms of MW installed and commissioned.
- To provide details on what reductions (in %) is expected for NO_x, SO_x, particulate matter and carbon dioxide for your CFBC design.
- To provide details on whether the proposed plant have been subjected to failures, warranty claims, or previous defects followed by any corrective measures.
- To provide a sample calculation for estimated net present value (NPV) for your design implemented in South Africa indicating clearly capacity in MW, Tariff assumed in ZAR/kW-h, estimated coal price, capital cost multiplier etc.

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No.	Questions	Response
1	Provide your experience in the design/construction/supply of CFBC plant. a) Specify the number of years and to which sites, both in Africa and internationally, that your plant (and design) was supplied to.	
2	Do you have experience specifically in the retrofitting of CFBC boilers to conventional pulverised coal units? If so, please state the following details <ul style="list-style-type: none"> Name of power station installed. Number of units retrofitted. Unit capacity (MW) Date of installation. Commercial operation date (COD). Operational performance data (including efficiency). Emission performance data (gaseous and particulates). Typical guarantees and warranties that would be offered for the equipment and systems supplied. 	
3	Do you provide operation and maintenance service for the first five years post COD of CFBC plant? Is this service offered as long-term service agreement, and if so what is the approximate cost of this service?	
4	Are you able to provide details around key operational issues in CFBC boiler (eg. Erosion, corrosion etc.) and how these issues are managed? Are there any specific issues on CFBC that affects the overall plant availability?	
5	Do you have plant data showing a) reduction in SOx, NOx, particulate matter and carbon dioxide for your design? b) improvement in plant thermal efficiency post adoption of CFBC? If so, please share for Eskom's review clearly indicating coal type used.	
6	Are you able to share any financial analyses demonstrating the feasibility of CFBC for a) Retrofit, and refurbishment of balance of plant? b) Total replacement of pulverised fuel MW with CFBC MW (i.e. totally new plant)?	
7	Please provide indicative costs for your CFBC design for retrofit (with refurbishment) and total pulverised coal for CFBC replacement in \$/kW.	
8	Please indicate a potential demonstration CFBC plant size related to your technology, as well as the turnkey costs, in \$/kW, for installation of such a demonstration plant.	
9	Which portions of your technology can be localised in South Africa? This is to allow for knowledge transfer and to allow for job creation. Please describe clearly how this will be achieved?	
10	Does your institute provide opportunities for partnering in the construction/operation and/or ownership. What would these opportunities entail.	

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No.	Questions	Response
11	Are you willing to allow a site visit to any of the CFBC sites that you have constructed? For planning purposes, please provide a list of plant sites	
12	Provide any other additional information in respect of the technology which you may deem necessary to bring to the attention of Eskom.	

Yours faithfully

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

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