

	Expression of Interest (EOI) or Request for Information (RFI) Template	Document Identifier	240-72663051	Rev	4
		Effective Date	17 June 2025		
		Review Date	June 2030		
		RFI Number	E3428GXMPMAT		

PART A REQUEST FOR AN EXPRESSION OF INTEREST (EOI)/ REQUEST FOR INFORMATION (RFI)			
Description of the works/goods/services	Design, supply, installation, commissioning and support of a Private 5G mobile communications network at Matla Power Station, Kriel, Mpumalanga, to replace the existing DECT mobile communications system. Detailed requirements are set out in the attached scope of work.		
Deadline for submission	18 September 2026	At (South African Standard Time)	10:00
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.	For Closed Tenders please include the link: https://etendering.eskom.co.za Closing date: 18 September 2026 Closing time: 10:00 Please note it is the responsibility of the supplier to ensure that EOI/RFI submission is submitted before the closing date and time		
Electronic Submission of RFI	The tenderer must upload the tender via Eskom Tender bulletin site on the Eskom E- tendering page. All documents need to be submitted in a PDF and Excel format (The upload size per document is 500 megabytes and total submission is restricted to 4 gigabyte). No Zip/condense files can be uploaded No hard copy will be accepted If for some reason you resubmit your EOI, then the latest version of the EOI submitted will only be accepted and all previous submission/s will be null and void. Please ensure that the submission status is indicated as complete. Supplier Help Manual guide and video can be found on Eskom E-Tendering page		

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E-tendering Help Manual for supplier	Attached
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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 **Design, supply, installation, commissioning and support of a Private 5G mobile communications network at Matla Power Station, Mpumalanga, to replace the existing DECT mobile communications 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
Vusimuzi Ntuli	System Engineer – C&I		31/08/2026
Telephone number		Fax and/or e-mail address	

PART B RESPONSE SHEET IN TERMS OF A REQUEST FOR A REQUEST FOR INFORMATION To be completed by the supplier			
To	Eskom Holdings SOC Ltd	Date	
Attention			
Tel no		Fax no and /or e-mail address	

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From		Address	
Address			
Sender			
Description of the works/goods/services			

Please find below our response to Eskom's questions:

No.	Question	Please indicate your response in this column
1.	Contact person for technical queries: full name, designation, telephone and e-mail address.	
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)	
5.	Proposed frequency band and spectrum access approach for this deployment. Please indicate any ICASA licensing implications, spectrum-holding arrangements or partnership required to operate the network in South Africa.	
6.	Indicative number of radio units proposed and the coverage assumptions on which this is based, including your approach to indoor plant areas of high structural density (boiler house, turbine hall, precipitator areas, ash plant, coal handling, cable tunnels and basements) and to outdoor yard areas.	
7.	Power Supply requirements design for the Private 5G solution	
8.	System availability your solution can support, expressed as a percentage per annum, and the	

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	redundancy or resilience measures on which this figure depends.	
9.	Capability to integrate with the existing PABX, and provision for future migration to a SIP-based platform	
10.	Power supply, environmental and structural mounting requirements for the proposed equipment. Please state all assumptions, as these will be confirmed by Eskom's electrical and civil design disciplines	
11.	Indicative pricing, shown as separate line items for: design; capital equipment; installation; commissioning and integration; and recurring or annual costs. Please state all assumptions, exclusions and the validity period of the indicative pricing.	
12.	Indicative lead times from order placement to commissioning, including the duration of the design phase.	
13.	Any technical constraints, risks, exclusions or recommendations you consider relevant to this deployment.	
14.	The coverage areas required are indicated on the Google Earth map accessible at the link provided : Coverage areas and comprise both areas within the power station perimeter and outlying areas beyond the perimeter as marked. Please confirm that your solution can provide coverage across all marked areas, and state the indicative number of radio units proposed, the coverage assumptions on which this is based, and the backhaul approach proposed for outlying sites.	
15	Please price the coverage areas separately, distinguishing between coverage within the power station perimeter and coverage of the outlying areas marked beyond the perimeter.	
16	Describe the design approach you would follow for this deployment. Please address: how you would establish coverage and capacity requirements for the areas indicated (site survey, RF propagation modelling, and the assumptions or software used); how radio unit type, quantity and mounting positions would be determined for both dense indoor plant areas and outdoor yard areas; how the 5G core would be architected and hosted, and how transmission and backhaul between radio units and the core would be designed; how redundancy and failover would be built	

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	in at radio, transmission and core level; and how the network would be segregated from and interfaced with Eskom's existing IT and OT networks.	
17	State the design deliverables you would produce and the stage at which each would be issued for example coverage prediction reports, network architecture drawings, radio unit position layouts, power and mounting requirement schedules, IP addressing and network design documentation, and integration design for the PABX interface. Indicate the design review and approval stages you would accommodate for Eskom and confirm that final design would be subject to Eskom acceptance before installation commences.	

Yours faithfully

Name	Designation	Signature	Date
Katlego Tsatsane	Officer Procurement		31.08.2026
Telephone number		Fax and/or e-mail address	tsatsak@eskom.co.za

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