PART A REQUEST FOR INFORMATION (RFI)			
Description of the works/goods/services	Information on the current tower designs, applicable national and international standards as well as current specifications for microwave radio towers.		
Deadline for submission	**11 January 2027**	**At (South African Standard Time)**	**10:00 a.m.**
Tender Office address	**https://eTendering.eskom.co.za**		
RFI are to be submitted electronically via Eskom E- tendering site by the stipulated closing date and time.	**Please note it is the responsibility of the supplier to ensure that the RFI submission is submitted before the closing date and time at the correct link.** **Closing date: 11 January 2027** **Closing time: 10h00**		
Clarification meeting	**A non-compulsory clarification meeting with representatives of Eskom will take place as follows:** **Date:08 December 2026** **Time: 10:00 a.m.** **Venue: MS Teams** **Microsoft Teams meeting** **Join:**https://teams.microsoft.com/meet/36943654041797 66?p=GQYg2gEa90aEsjmAO1 Meeting ID: 369 436 540 417 976 6 Passcode: 6NG7jJ77		
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 gigabytes). No Zip/condense files can be uploaded No hard copy will be accepted		

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	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. Please ensure that the submission status is indicated as complete. Supplier Help Manual guide and video can be found on Eskom E-Tendering page
E-tendering Help Manual for supplier	See manual attached separately as **Annexure A**

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 Microwave Radio Towers. 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
Telephone number		**Fax and/or e-mail address**	

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PART B RESPONSE SHEET IN TERMS OF A REQUEST FOR AN 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**	
From		**Address**	
Address			
Sender			
Description of the works/goods/services	Information on the current tower designs, applicable national and international standards as well as current specifications for microwave radio towers.		

Please find below our response to Eskom's questions:

No.	Questions with focused description	Please indicate your response in this column
1.	**Company profile**	
	[Company name and contact details]	
	[Company registration number]	
	[Brief description of previous experience and Description of the solution that you can offer]	
	Indicative prices (optional and only for use of RFI's)	

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2.	**Tower Structure**	
	2.1 Please provide information on the types of self-supporting telecommunications towers/mast that your company can supply. 2.2 Please provide a list of the standard self-supporting tower/mast **up to 90m** heights available from your company, together with any options for customized tower heights. 2.3 What tower(s)/mast(s) together with their associated heights and foundation requirements are available from your company, which can be deployed under emergency situation. 2.4 Are your towers design in compliant with TIA-222-G standard? if not, what national and international design standards are applied to your tower structural design? 2.5 Does your company uses PLSCAD software for tower modelling? If not, what software does your company used for structural modelling? 2.6 What spare loading capacity (%) does your company recommend for future antenna installations? 2.7 What is the total installed mass of the tower structure in your offering, including all fittings and accessories (kg)? 2.8 What are the maximum allowable twist and sway values under the specified design loading conditions? 2.9 What wind return period does your company use in the design calculations (years)? 2.10 Is a safety cage provided? If yes, provide details of compliance standards, dimensions, entry/exit arrangements, and fall-protection systems?	

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3	**Tower foundation**	
	3.1 List standard tower/ mast foundation dimensions for each tower height in your solution offering. 3.2 What foundation types does your company recommend for rocky, clay, and unstable soils? 3.3 What foundation types does your company recommend for limited space availability? 3.4 What angle of internal friction is assumed in the foundation design, and what geotechnical investigation data supports this value? 3.5 What soil cohesion value is used in the foundation design calculations, and how is this value determined? 3.6 List the total concrete volume (m^3) required for each tower height proposed foundation design?	
4	**Earthing**	
	4.1 What is the recommended earthing philosophy for high lightning density regions? 4.2 What grounding resistance targets are achievable? 4.3 What earthing and lightning protection standards are complied with?	
5.	**Fabrication**	
	5.1 What steel grade(s) are used in your solution offering? 5.2 What corrosion protection system is applied and what is the coating thickness? 5.3 What galvanizing warranty is offered?	
6.	**Construction**	
	6.1 What is the average installation duration (by tower type)?	

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	6.2 What quality assurance processes are followed during tower erection?	
7.	**Lifecycle Management**	
	7.1 What is the tower's design life expectancy under normal operating conditions? 7.2 What are the recommended inspection intervals? 7.3 Is there any structural health monitoring mechanism available? 7.4 Are drone-based inspection solutions supported?	
8.	**Environmental and Weather Safety**	
	8.1 What corrosion protection measures are applied to ensure long-term structural safety? 8.2 How does the tower design address ice loading, flooding, or other environmental conditions where applicable? 8.3 What is the expected service life of the tower under normal operating conditions?	
9.	**Innovation**	
	Is the following available or supported:	
	9.1 AI-assisted tower monitoring 9 .2 Digital twin technology. 9.3 Smart corrosion monitoring systems 9.4 Integrated weather and structural sensors 9.5 Prefabricated modular foundations	
10.	**Climbing and Working-at-Height Safety**	
	10.1 What fall-arrest systems are incorporated into your tower design?	

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	10.2 Are ladder safety systems, climbing rails, or lifelines provided as standard? 10.3 What provisions are included for safe access to antenna platforms and equipment? 10.4 Please provide details of platform load ratings and personnel capacity limits. 10.5 What is the standard working platform install position/spacing per tower height?	
11.	**Financial**	
	11.1 Please provide the estimated supply cost for various microwave tower heights in your offering also indicate any assumptions, exclusions, and optional features that may affect pricing.	
12.	**General**	
	12.1 Please provide datasheet (s) for any relevant tower component in your solution.	

All clarification requests and enquiries must be directed to Rose Mbombi through this email address MbombiRR@eskom.co.za.

Yours faithfully

Name	Designation	Signature	Date
Pumezile Makeba	Procurement Manager		18 November 2026
Telephone number	011 709 3738	**Fax and/or e-mail address**	Chilizp@eskom.co.za

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