

TENDER DATA

Project title:	Appointment of Service provider/s for the Planning, supply, installation, and commissioning of Unlicensed microwave links for Sentech for a period of three (3) years.
Bid no:	SENT/013/2024-25

1. BACKGROUND

Sentech is a state-owned company and is the largest broadcasting signal distributor in South Africa. Sentech is a licensed Electronic Communications Network Service provider in South Africa. It currently operates many telecommunication networks for Satellite, Television, Radio, Internet and more. As such, Sentech is a global enabler of broadcasting and digital content delivery.

Sentech will appoint a Service provider/s for the Planning, supply, installation, and commissioning of Unlicensed microwave links at contractually agreed prices and delivery times as required on future Request for quotation documents under this Tender.

The planning, installation and commissioning of the Unlicensed microwave links covered by this tender enquiry will be carried out by the successful bidder/s.

Sentech reserve the right to appoint one or multiple Bidders making use of framework agreements. Sentech reserve the right to appoint one service provider per Original Equipment Manufacturer.

2. SUBMISSION OF BIDS and CLOSING

2.1 This Bid closes on the date and time stipulated on the Notice and Invitation to Bid (SBD1). Bids can be submitted electronically via the eTender Portal and/or by hand to the tender box at Sentech Offices, Octave Road, Radiokop Ext 3, Honeydew, Johannesburg.

- a) Bidders that opt to deposit their bid documents in the tender box must do so on or before the closing date and time, during working hours only (08:30-15:30). No late submissions will be accepted.
- b) Bidders who opt to submit via the Sentech eTender Portal ("the eTender Portal") are advised that the eTender Portal has a files size limit of 30MB. Bidders must upload their tender documents timeously. The eTender Portal is available 24hrs a day. No late submissions will be accepted.
- c) It is incumbent on the bidder to ensure that their bids are submitted timeously via the selected method before the closing date and time. Sentech will not take any responsibility of any incomplete submissions or late tenders, for any reason whatsoever.
- d) Telegraphic, telephonic, telex, facsimile, e-mail and late Bids will not be accepted.

2.2 This is a two-envelope system for Bid Evaluation. Bidders must submit their proposal and all supporting documentation in a sealed envelope, clearly marked as follows:

- a) For manual submissions, Envelope One must consist of "Original Technical Proposal together with a soft copy in PDF format of an electronic medium e.g. USB etc. The soft copy will consist of a single PDF document containing the complete response. The envelope must contain all information and documents relating to the Bid. (Refer to list of returnable documents).
- b) No Financial Information must be included in Envelope One.
- c) Envelope Two "Original Financial Proposal" (Contract Date and Pricing schedule/schedule of rates as applicable) together with 1 copy of "Financial Proposal" together with a soft copy in PDF format of an electronic medium e.g. Compact Disk (CD), USB etc. The soft copy will consist of a single PDF document containing the complete Financial Proposal.
- d) Bidders are required to place the sealed Envelope One together with the sealed Envelope Two into one sealed envelope or container. The sealed envelope or container must be marked with the following information:

For Attention:

- HEAD OF SUPPLY CHAIN MANAGEMENT
 - BID REFERENCE NO: ##
 - TECHNICAL AND FINANCIAL PROPOSALS
 - INSERT CLOSING DATE AND TIME
 - BIDDER'S NAME AND ADDRESS
- e) Bidders that combine their Technical Proposal with the Financial Proposal (or any financial information) will be automatically disqualified and not be evaluated further.
- f) The financial proposal will only be opened and evaluated should the technical proposal be found to be responsive, being that the technical proposal has met the minimum technical evaluation criteria that are set out in the Bid Documents.
- g) The Bidders shall insert a table of contents and bind (ring bind or similar method) the proposal documents and verify the page numbers, as Sentech will not accept any liability with regard to any disputes arising from pages that are missing or duplicated in the aforementioned documents.
- h) Bidders are required to complete and sign all the returnable documentation (refer to list of returnable documents) and initial all pages, drawings and brochures which are included in the reply as Sentech will not accept any liability with regard to any disputes arising from pages that are missing or duplicated in the aforementioned documents.
- i) Late submissions will not be considered.
- j) For online submissions via the e-Tender portal, submission requirements are directed by the system. Bidders must follow instructions in the Bidder's manual.

3. SIGN AND INITIAL

Bidders are required to complete and sign the Bid Forms where required and initial the bottom of all pages, drawings and brochures which are included in the submission as Sentech will not accept any liability with regard to any disputes arising from pages that are missing or duplicated in the aforementioned documents.

Only original signatures will be accepted.

4. COMPLETION OF BID DOCUMENTS

Bidders must ensure that they complete all sections of the Bid Documents as per the requirements in the Bid.

Bidders must use only the Bid documents provided by Sentech. Photocopying of the Bid document is permitted however Bidders must not retype or redraft the Bid documents.

5. COSTS OF PREPARING THE BID SUBMISSION

Bidders shall bare all costs associated with the preparation and submission of the proposals. Sentech shall under no circumstances be held responsible or liable for any costs incurred during the bidding process.

6. ADMINISTRATIVE RESPONSIVENESS CRITERIA

Bidders are required to ensure that they meet all the Administrative Responsiveness Criteria.

7. BBBEE CODES AT SENTECH

Sentech complies with the codes of good practice as prescribed by the DTI, to advance Broad Based Black Economic Empowerment.

8. SUBCONTRACTING AS A CONDITION OF BID

The successful Bidder must subcontract a minimum of ___N/A___% of the value of the contract to ___N/A___ (specify the designated group targeted).

9. TRANSFORMATION PLAN

A transformation plan is a record of activities an entity intends to undertake to improve its BBBEE Level through Ownership, Management and Control; Skills Development; Enterprise and Supplier Development and Socio-Economic Development.

Sentech reserves the right to request a BBBEE transformation plan with clearly defined timelines and milestones if the recommended Bidder does not meet Sentech's transformation goals. These milestones must be achieved over the term of the contract. This transformation plan must be submitted within 10 working days from the written request, failing which Sentech reserves the right to withdraw its appointment of the preferred recommended Bidder.

10. LOCAL PRODUCTION AND CONTENT

In the case of designated sectors, where in the award of Bids, local production and content is of critical importance, such Bids will contain a specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.

Does this requirement fall under any designated sector as prescribed by the DTI?	Yes	No
If yes, specify the sector		
Specify minimum threshold applicable		

*Bidders must fill in the SBD6.2 for Local Content and Production

11. EVALUATION CRITERIA

The evaluation criteria are stipulated in 18 below. It is the Bidder's responsibility to ensure that it has responded to the evaluation criteria. Failure to meet the evaluation criteria will result in the Bidder not being evaluated further. Bidders must ensure that they have included all supporting documentation required to support their response to the Bid.

12. AWARD OF BID/S

Sentech may appoint one or more suppliers, in whole or in part, or not appoint any supplier/s at all, and/or cancel the bid in its entirety, at Sentech's sole and exclusive discretion, in order to satisfy various needs which may be identified, and to manage certain risks associated with the supply of goods or services specified in respect of the Bid.

13. ALTERNATIVE/SUBSTITUTE PRODUCTS

In the case of contracts and/or panels which are in excess of 12 (twelve) months, Sentech shall be entitled to consider alternative products and product upgrades during the tenure of the contract and/or panel in order to accommodate new products and upgrades in the market. Bidders are required to

bring all such developments to the attention of Sentech for approval. No alternative products may be supplied without Sentech's prior written approval.

14. BRIEFING SESSION

Should there be a compulsory briefing session for this Bid, Bidders must ensure that they attend the briefing session and sign the attendance register, as non-attendance or failure to sign the attendance register will automatically disqualify a Bidder from submitting a proposal for this Bid.

All questions raised by Bidders post the briefing session will be consolidated and shared with all Bidders at least seven (7) calendar days prior to closing.

15. CLARIFICATION

Enquiries related to Bid documents may be addressed to the Bid Administrator and Supply Chain Official as stated in SBD 1 Notice and Invitation to Bid.

16. BID EVALUATION METHOD

This Bid will be evaluated as described in the table below.

80/ 20 system will be followed for Technical and Price offer	1. Stage 1 – Administrative Responsiveness Evaluation All the Technical Proposals will be evaluated against the administrative responsiveness requirements as set out in the list of returnable documents. 2. Stage 2 –Technical Evaluation Mandatory Evaluation Criteria Proposals that are administratively responsive will be evaluated against the Mandatory Evaluation Criteria set out in Section 19. Bidders must COMPLY with ALL Mandatory Evaluation Criteria. Bidders who fail to comply with all mandatory criteria will not be evaluated further. Functional Evaluation Criteria Proposals that are responsive and comply with the mandatory evaluation criteria will be evaluated against the Functional Evaluation Criteria set out in Section 19 The minimum score to be evaluated further is 26/32. 3. Stage 3 – Price and Preference Financial Proposals for Qualifying Bidders will be opened and evaluated. Bidder's financial offers and BEE certificates will be ranked according to price and preference points from the highest number of points to the lowest
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17. ADMINISTRATIVE RESPONSIVENESS REQUIREMENTS

To be administratively responsive, Bidders must ensure that they meet all the below mentioned criteria. Bidders that do not meet all the below mentioned criteria may not qualify to be awarded the Bid. Sentech reserves its rights in respect of the below criteria.

- Complete and return all documentation stipulated in the LIST OF RETURNABLE DOCUMENTS.
- All correspondence must be in English.
- Bidders must fill in all sections of this document (where applicable).
- **BLACK INK** must be used when completing the Bid documents.
- Bidders must use only the Bid documents provided by Sentech. Photocopying of the Bid document is permitted however Bidders must not retype or redraft the Bid documents.
- All corrections must be initialled. The use of corrective fluid is strictly prohibited.

- Bidders are required to fill in and sign the Bid Forms and initial all pages, drawings and brochures which are included in the reply as Sentech will not accept any liability with regard to any disputes arising from pages that are missing or duplicated in the aforementioned documents.
- Bidders must complete an attendance register at each compulsory site meeting attended.
- Appointment of a Bidder will be subject to signing, declaration and submission of SBD 1, 3.1, 3.2, 3.3, 4, 5, 6, 1, 6.2 8, and 9 depending on applicability.
- Complete and sign the Contract Data.
- Should this be a 2 envelope or 2 stage system, Bidders MUST separate the technical proposal from their financial proposal. The technical and financial proposals must be placed in two separate sealed envelopes.

17.1 AUTOMATIC DISQUALIFICATION

Sentech reserves the right to automatically disqualify Bidders from being awarded this Bid. The following will lead to automatic disqualification:

- Failure to submit a financial proposal, if required.
- The Bidder is or has been involved in any act of corruption or fraud or bribery or collusion or attempt to influence any employee of Sentech to award this Bid or any other Bid to it.

18. TECHNICAL RESPONSIVENESS COMPLIANCE

The Technical Evaluation will encompass evaluation of:

- Mandatory Criteria
- Functional / Technical Criteria

19. TECHNICAL EVALUATION CRITERIA

19.1 Mandatory Eligibility Criteria

The follow in criteria are mandatory to ALL BIDDERS:

Mandatory Criteria	Proof Required (supporting documents)	Please specify YES/NO for compliance
1.1.1. Equipment Provided must be able to perform at a minimum capacity of 250 Mbps full duplex at 15 km. (250Mbps Uplink: 250 Mbps Downlink) Must be able to pass a 20 min test with the following parameters. Capacity = 250Mbps Maximum Latency= 70ms Frame loss Raio <=1% Jitter (Frame Delay Variation) <30ms. MTU of 1518 Bidders are required to submit all digital copies of the design including details of software used for the designs	Provide link design based on provided requirements including the following: • Link Budget (Transmit power, receive levels, fade margin, free space lost) • Antenna sizes and gain • Expected throughput.	
1.1.2. All OHS requirements must be adhered to while doing the Site visits and teams must have the required safety equipment and certification to climb towers.	Provide statement of commitment	
1.1.3. Service provider must ensure that all teams are equipped with the required tools and road worthy vehicles that is fit for purpose (urban and rural) of installation and maintenance work, vehicles must be able to travel off road. (Binoculars, measuring equipment, etc,) and safety equipment to be able to complete the Initial Site Surveys (ISS) and Technical Site Surveys (TSS).	Provide statement of commitment	
1.1.4. The Service provider will be 100% responsible for the management and quality of the installation work. The service provider will commit to ensuring resource availability to complete the project within the above timelines. The Service provider must commit to making adequate resources available to achieve project timelines as set out by Sentech.	Provide statement of commitment	
1.1.5. Company must have a minimum of 1 years of experience with regards to unlicensed Microwave Links Supplied and installed	Provide statement of commitment	
1.1.6. Company must supply a minimum of 2 contactable references/affidavit with regards to Unlicensed microwave link supply and installation projects. No NDA references will be accepted.	Attach proof of testimonial or reference letters on company letterheads or signed affidavit.	
1.1.7. ICASA type approvals document for proposed equipment	Provide Type approval documents or application documents	

NOTE: Bidders that do not comply with all the above criteria will not be evaluated further.

19.2 Functional Criteria

Bidders must supply proof of their capability and capacity to do the required work. Bidders will score points as indicated in the table below, based on proof supplied on the minimum criteria.

Table 2:

Functionality Criteria	Proof Required	Weighting factor
1. Network Management a. Confirm support of FCAPS	Provide proof and data sheet of all bullet points (One point will be allocated to every bullet point)	5
b. Confirm support of Northbound interface	Provide proof and data sheet of all bullet points	2
c. Confirm support of SNMP and confirm which version is utilised	Provide proof and data sheet of all bullet points	2

Functionality Criteria	Proof Required	Weighting factor
d. Type of Server requirements (Cloud or Physical on site)	Provide proof and data sheet of all bullet points	1
e. Confirm support of Encryption and indicate what encryption is used.	Provide proof and data sheet of all bullet points	2
2. Equipment Data Sheet a. Supply data sheets confirming the following Antenna Specifications ○ Weight ○ Dimensions ○ Gain ○ Wind loading (Axial forces, Side force, Twist and Moment) ○ Wind survival speed	Provide proof and data sheet of all bullet points (One point will be allocated to every bullet point)	5
b. Supply data sheets confirming the following Radio equipment specifications. • Weight • Dimensions • Power Requirement • Interface Types • Frequency Bands	Provide proof and data sheet of all bullet points (One point will be allocated to every bullet point)	5
3. Equipment Specifications: a. Proposed Links must be able to support both CIR / MIR and BE	Provide proof and data sheet	2

Functionality Criteria	Proof Required	Weighting factor
b. Proposed Links must be able to Support VLAN's	Provide proof and data sheet	2
c. Proposed Links must be able to Support Layer-2 and Metro Ethernet	Provide proof and data sheet	2
d. Proposed Links must be able to Support QinQ (Trunk Ports)	Provide proof and data sheet	2
e. Proposed Links must be able to Support Jumbo Frames	Provide proof and data sheet	2
Total		32Points

Total minimum qualifying functional score is 26.

Table 1: Functional Criteria

Total minimum qualifying functional score is 26 points.

20. Evaluation of Price and Preference

This Bid will be evaluated on a points system based on weighted average score for Price and Preference as per Preferential Procurement Framework Act of 2000 (Act 5 of 2000).

21. Preference Point allocation – 80/20

Price / Preference	Weighting percentage
Preference:	20%
Price:	80 %
Total must equal:	100%

Sentech will award preference points as follows:

Goal	Points	Evidence required
Historically disadvantaged by unfair discrimination on the basis of Race	10	A valid BBBEE Certificate showing at least 51% black ownership
	5	A valid BBBEE Certificate showing at least 25.1 – 50% black ownership
	3	Black owned company showing at

		least 5 – 25% black ownership
	0	Below 5%
Historically disadvantaged by unfair discrimination on the basis of Gender (women)	8	A valid BBBEE Certificate showing at least 51% women ownership
	4	A valid BBBEE Certificate showing at least 25.1 – 50% women ownership
	2	A valid BBBEE Certificate showing at least 5-25% women ownership
	0	A valid BBBEE Certificate showing at less than 5% women ownership
Historically disadvantaged by unfair discrimination on the basis of disability	2	A doctor's note confirming disability, confirmation of disability from the Department of Labour, BEE certificate or equivalent confirmation.
Total Points	20	

22. Price Calculation 80/20

The following formula will be used to calculate the points for price.

$$P_s = 80 \left[\frac{1 - (P_t - P_{min})}{P_{min}} \right]$$

Where:

P_s = Points scored for price of bid under consideration

P_t = Rand value of bid under consideration

P_{min} = Rand value of lowest acceptable bid

23. Declaration of Authority

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of this Bid Data is understood and all requirements will be adhered to.

Name of Bidder	Signature	Date	Designation

TABLE 1: REFERENCES

Please complete the customer reference table and relevant Contact telephone number and attach reference letters.

Customer		Service Provided	Contact Person	Contact no.	tel.	Contractual commencement date	Contractual completion date
1							
2							
3							
4							

5						
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Name of Tenderer	Signature	Date