

TENDER DATA

Project title:	Appointments of Service Provider for a Turnkey Solution for the Supply, Integration, Installation and Commissioning of Redundant Ku-Band RF Amplifier System to Sentech SOC LTD.
Bid no:	SENT/027/2022-23

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 SOE is currently undertaking a project to replace its Ku-Band VSAT amplifier System located at NASREC Teleport. SENTECH's intention with this tender is to replace the current Ku-Band VSAT amplifier System. The successful bidder will be required to supply, install, test, commission and provide on-site operational training for the system provided. However, should there be a higher-level training available it can be offered to SENTECH.

2. SUBMISSION OF BIDS and CLOSING

This Bid closes at the stipulated date and time as stated in SBD 1 Notice and Invitation to Bid. Bids must be submitted by hand to the Bid Administrator at SENTECH, Octave Road, Radiokop Ext 3, Honeydew, Johannesburg.

Bidders that choose to submit their bid documents before the closing date and time may do so during working hours only (08:30-15:30).

It is the Bidder's responsibility to ensure that their bid submissions reach the Bid Administrator before the bid closing time as no late submissions will be accepted.

Telegraphic, telephonic, telex, facsimile, e-mail and late Bids will not be accepted. Proposals may be opened in public. Bidders will be advised of the outcome by letter, facsimile or e-mail.

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:

Envelope One "Original Technical Proposal" and one "Copy of 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).

No Financial Information must be included in Envelope 1.

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.

Bidders are required to place the sealed **Envelope 1** together **with** the sealed **Envelope 2** 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: SENT/027/2022-23**
- **TECHNICAL AND FINANCIAL PROPOSALS**
- **INSERT CLOSING DATE AND TIME**
- **BIDDER'S NAME AND ADDRESS**

Bidders that combine their Technical Proposal with the Financial Proposal (or any financial information) will be automatically disqualified and not be evaluated further.

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.

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.

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.

Late submissions will not be considered.

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. Pre-qualification criteria

With the objective of advancing designated groups, the Bidding condition applicable to this Bid is N/A (Specify targeted companies (EME / QSE) or minimum B-BBEE status level of contributor) as contemplated in PPPFA regulations, 2017 sub regulation 4(1). A Bidder must provide documentary evidence to support their compliance with this prequalification criteria. A Bidder that fails to meet any pre-qualifying criteria stipulated in this Bid document is an unacceptable Bid.

9. 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) as contemplated in the PPPFA regulations, 2017 sub regulation 9(1);

10. 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.

11. 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	N/A	N/A
Specify minimum threshold applicable	N/A	N/A

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

12. 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.

13. 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.

14. 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.

15. BID EVALUATION METHOD

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

<p>80/20 system will be followed for Technical and Price offer</p>	<p>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.</p> <p>2. Stage 2 –Technical Evaluation Mandatory: all criteria All the proposals that are fully compliant to the administrative responsiveness compliance criteria will then be evaluated against mandatory eligibility criteria. Bidder must be fully compliant (and supply referenced proof of compliance) to be evaluated further</p> <p>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.</p>
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16. 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.

16.1 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.

17. TECHNICAL RESPONSIVENESS COMPLIANCE

The Technical Evaluation will encompass evaluation of:

- Mandatory Criteria
- Functional / Technical Criteria

18. TECHNICAL EVALUATION CRITERIA

18.1 Mandatory Eligibility Criteria

The follow in criteria are mandatory to **ALL BIDDERS**:

Mandatory Eligibility Criteria	Attach evidence provide reference page number in your proposal
18.1.1 Electrical Characteristics	
18.1.1.1 Output Frequency Range - Extended Ku: 13.75 – 14.50 GHz	Provide datasheet
18.1.1.2 Input Frequency Range - 950 – 1700 MHz	Provide datasheet
18.1.1.3 Local Oscillator Frequency - 12.80 GHz	Provide datasheet

Mandatory Eligibility Criteria	Attach evidence provide reference page number in your proposal
18.1.2 Technical Specifications	
18.1.2.1 Output Interface - KU-Band: Waveguide, WR75G (Grooved)	Provide datasheet
18.1.2.2 Input Interface - N-Type Female, 50 Ohms	Provide datasheet
18.1.2.3 Monitor and Control interface which includes RS485, RS232 and Ethernet	Provide datasheet
18.1.2.4 WEB interface and SNMP monitoring	Provide datasheet
18.1.2.5 External 10MHz reference	Provide datasheet
18.1.2.6 Output sample port	Provide datasheet
18.1.2.7 Outdoor Amplifiers - Operational Temperature range -5°C to + 55°C (operating)	Provide datasheet
18.1.2.8 Amplifier System Operational Humidity: 100% Condensing	Provide datasheet
18.1.2.9 Minimum Linear Rated Output Power: +50 dBm or better	Provide datasheet
18.1.2.10 Gain Stability variation of the amplifier: ± 0.75 dB over 36/40 MHz or better	Provide datasheet
18.1.2.11 Attenuation steps adjustment: 0.1 dB	Provide datasheet
18.1.3 Installation and Supply	
18.1.3.1 Provide a minimum of one reference in Table 1, for previous work done in installation of High-Power Amplifiers (minimum 200W). Please note: References must be for work done in the past 5 years.	Reference letter on a company letterhead
18.1.3.2 Provide existence of after-sales support from Original Equipment Manufacturers (OEM's) for all the equipment required. Please specify the list of equipment/ components that are covered by each agreement.	Reference letter on an OEM company letterhead
<p>18.1.3.3 The Bidders must provide details of the following suitably qualified key resources:</p> <ul style="list-style-type: none"> • Engineer (Electrical/ Electronics) - minimum 5 years working experience. • Technician - minimum 3 years working experience. • Electrician - minimum 3 years working experience. <p>18.1.3.4 Provide detailed Curriculum Vitae (CVs) for each key resource. Each CV to include relevant projects worked on, timeframes as well as certified copies of qualifications i.e. Certificates, Diplomas, wireman's licences.</p>	

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

Please note that there is no Functional Criteria

19. 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).

20. Preference Point allocation – 80/20

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

80/20-point scoring system			
Preference: 20 Points		Price: 80 points	
Other: B-BBEE Status Level Contributor			
B-BBEE Level	Number of Points	Price:	100 % (of 80)
1	20	Quality / Functionality:	0 % (of 80)
2	18		
3	14		
4	12		
5	8		
6	6		
7	4		
8	2		
Non-Compliant contributor	0		
		Total must equal:	100% (of 80)

21. 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

22. 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					

Name of Tenderer	Signature	Date