

REQUEST FOR QUOTATION

SENTECH INVITES SUPPLIERS FOR:

Project title:	Planning, supply, and deployment of 2 unlicensed Point-to-point links as a minimum capacity of 250Mbps full duplex		
Quotation or Proposal no:	1000006023		
RFQ Issue date:	28/03/2023		
Closing date:	30/03/2023		
Closing time:	16h00	Validity period:	30 days

You are invited to provide a quote to deliver the goods, services or works defined in the Scope of Work.

QUOTATIONS OR PROPOSALS TO BE RETURNED TO:

Quotations Administrator	Zanele Zulu
Telephone no:	011 471 4000
E-mail:	Quotations6@sentech.co.za

Form of Offer and Acceptance

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the services as stated in the RFQ: Scope of Work

The Service Providers, identified in the Offer signature block, has examined the documents listed in the RFQ and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of this RFQ.

By the representative of the Service Provider, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the Service Provider offers to perform all of the obligations and liabilities of the RFQ under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the RFQ.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VAT IS:

(in words)

.....

.....Rand;

R.....(in figures)

THE OFFERED PRICES ARE AS STATED IN THE PRICING SCHEDULE

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the Service Provider before the end of the period of validity stated in the RFQ, or other period as agreed.

Signature(s)

Name(s)

Capacity

For the tenderer:

(Insert name and address of organisation)

Name &

signature of Date witness

Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Service Providers Offer. In consideration thereof, the Employer shall pay the Service Provider the amount due in accordance with the conditions of the RFQ. Acceptance of the Service Providers Offer shall form an agreement between the Employer and the Service Provider upon the terms and conditions contained in this RFQ.

Deviations from and amendments to the documents listed in the RFQ and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the Service Provider and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The Service Provider shall within two days of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the Employer's agent to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the RFQ. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the Service Provider receives one fully completed original copy of this document, including the Schedule of Deviations (if any).

Signature(s)

Name(s)

Capacity

for the Employer

(Insert name and address of organisation)

Name &

signature of Date witness

RFQ Data

1. ADMINISTRATIVE RESPONSIVENESS CRITERIA

- 1.1. Suppliers are required to ensure that they meet all the Administrative Responsiveness Criteria.
Suppliers that do not meet all the Administrative Responsive Criteria may not be awarded this Quote. It is the service provider's responsibility to ensure that they are tax compliant and that all required information is submitted to Sentech. Supplier's providing quotations must be registered on the Sentech Supplier Database.
- 1.2. **Quotations must be in a Company Letterhead.**
- 1.3. Quotations or Proposals must be received on or before the closing date and time specified on the Call for Quotation or Proposal document.
- 1.4. Quotations or Proposals must be fully completed and signed in BLACK ink.
- 1.5. Quotations must be submitted via Email.
- 1.6. The Tenderer undertakes to the Purchaser that it will treat as confidential the terms of this RFQ together with all the Purchaser's confidential information and will not disclose such confidential information to any person, firm or company (other than to its auditors and other professional advisers) or to the media, and will not use such confidential information other than for the purposes of this RFQ, subject always to any prior specific authorisation in writing by the Purchaser to such disclosure or use."

2. EVALUATION CRITERIA

The evaluation criteria are stipulated in Section 5. It is the Suppliers responsibility to ensure that it has responded to the evaluation criteria. Failure to meet the evaluation criteria may result in the Supplier being disqualified from being appointed. Suppliers must ensure that they have included all supporting documentation, especially the documentation that may be required to support the response to the evaluation criteria.

3. BRIEFING SESSION N/A

4. RFQ EVALUATION METHOD

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

Evaluation Method	<ol style="list-style-type: none"> 1. Stage 1 – Administrative Responsiveness Evaluation All the Quotations will be evaluated against the Administrative responsiveness requirements as set out in section 2 of the RFQ Data. 2. Stage 2 – Functional Evaluation Criteria The proposals that COMPLY with the Mandatory evaluation criteria be evaluated against the Functional Criteria. Suppliers meeting the minimum requirement will be evaluated further. 3. Stage 3 – Price and Preference Suppliers with the lowest Price offered will score the highest points. Only Suppliers that submit a valid B-BBEE Certificate can claim preference points in line with the 80/20 Suppliers with the highest number of points will be recommended for the award of this quotation, unless there are compelling and justifiable reasons not to do so.
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5. Evaluation of Price and Preference

The Service Provider will be evaluated on a points system for Price and Preference as per Preferential Procurement Framework Act of 2000 (Act 5 of 2000).

6. TECHNICAL EVALUATION CRITERIA

6.1 Mandatory Evaluation Criteria (Stage 2)

Mandatory Eligibility Criteria	Compliant (Indicate Yes or No)	What Proof is required to show compliance to Mandatory Eligibility Criteria	Reference proof supplied by reference the page number where the information is located in your Tender submission
NOTE: Bidders that do not comply with all the above criteria will not be evaluated further. Annexure 1 to be fully completed. If not completed, bidders will be disqualified			

6.2 Functional / Quality criteria (if applicable)(Stage 3)

	Evaluation scoring criteria based on compulsory covering sheet submitted	Max allowable points	Points allocation	Proof Required
1				
2				
3				
4				
		Total (maximum points)		
Minimum Score to Qualify for Further Evaluation				

6.3 Technical Evaluation (Stage 4)

	Item Description	Score	Comments	Proof required
1				
2				
2.1				
a				

c	Product warranty	2	Above 12year product (2); 10 - 11, year product (1,5); 5 -9 year product (0.1)	Attach spec sheet from Manufacturer
	Item Description	Score	Comments	Proof required
d	Output Performance warranty	2	Equal to or above 25 year perf. (2); 15 - 24 year perf. (1.5); 10 -14 year perf (0.1)	Attach spec sheet from Manufacturer
		<u>10</u>		
	Total score		The pass mark for further evaluation is 120 or more out of 170 points. Any points scored lower than the pass mark will the render the submission disqualified.	

***Bidders must complete the two annexures attached with this document.(i.e. Annexure 1- Compulsory covering sheet and Annexure 2- Technical evaluation).**

6.4 RISK ASSESSMENT (Stage 5)

All bids that meet the minimum qualifying score for technical evaluation may undergo a risk assessment based on the following framework:

- Any aspects that emanate from the bidders' individual responses
- Any information received from past references
- Site Visit of similar work done
- Assessment of Financial Statements

Sentech may disqualify bidders based on the outcome of the risk assessment.

6.5 Evaluation of Price and Preference (Stage 6)

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).

7. The price / preference weighting applicable for RFQ are as follows:

Price / Preference	Points
Preference:	20
Price:	80
Total must equal:	100

8. Preference Point allocation – 80/20

Sentech's Specific goals emanate from the section 2(1)d of the Preferential Procurement Policy Act which may include contracting with persons or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability. The Reconstruction and Development Programme as published in Government Gazette No 16085 dated 23 November 1994 Sentech will award preference points as follows:

Goal	Points	Evidence required
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Historically disadvantaged by unfair discrimination on the basis of Race	10	A valid BBBEE Certificate showing at least 51% black ownership
Historically disadvantaged by unfair discrimination on the basis of Gender (women)	8	A valid BBBEE Certificate showing at least 30% women ownership
Historically disadvantaged by unfair discrimination on the basis of disability	2	A doctor's note confirming disability
Total Points	20	

a. Price Calculation 80/20

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

$$P_s = 80 - \frac{100(P_t - P_{min})}{P_t - P_{min}}$$

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

6.1. Mandatory Criteria (If applicable)

1.1. Planning

Mandatory Criteria	Proof Required (supporting documents)	Please specify YES/NO for compliance
1.1.1. Provide Complete link design of the Point-to-Point links at a minimum capacity of 250 Mbps full duplex. The above will be tested against ITU-T Y.1564 Ethernet test methodology. 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.	
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 and copy of safety file that will be used on site	
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. Detailed project plan must be provided that will fit in with the required timelines as set out by Sentech. (All installation work needs to be completed by 09 May 2023).	Provide high level timelines	

1.2. Installation

Mandatory Criteria	Proof Required (supporting documents)	Please specify YES/NO for compliance
1.2.1. The Service provider must provide proof of existing resources within the company that will work on the project The Service provider will be 100% responsible for the management and quality of the installation work.	Detailed breakdown and description of available resources in a table format within the company	
1.2.2. Provide timelines to install the required point-to-point Links as per the scope of work	Provide letter of commitment on a letter head with timelines for every aspect of the installation.	

1.2.3. Provide number of teams that can be deployed concurrently.	Provide letter of commitment on a letter head	
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6.2. Functional / Quality criteria (if applicable)

Applicable for acquisitions between R 15 000 and R 1 million and if no Functional Criteria, indicate "N/A"

Functional criteria	Points
SEE ANNEXURE A FOR INFORMATION	
Total Points:	

6.3. Minimum Score to Qualify (applicable to Functional Criteria)

If no Functional Criteria, indicate "N/A"

Minimum Score to Qualify for Further Evaluation	[Insert Minimum functional/ quality score]
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7. Advertisement Period

Advertisement Period:	Selected	Motivation
3 working days (Evaluation Method 1)		
5 working days (Evaluation Method 2)	x	
10 working days (Evaluation Method 2) i.e. CIDB related requests <i>(Briefing session must be at least 5 working days before closing date)</i>		
10 Working days for goods and services designated for local content production		

ANNEXURE A

2. Scope Of Work

Sentech requires the services in respect of, *inter alia*, to assist with planning, supply, installation, and commissioning of 2 unlicensed Point to Point links for Sentech in the Eastern Cape and in Limpopo. The Links will be installed between Sentech Mount Ayliff and BBI Mzintlava, and between Sentech Modimolle and BBI Modimolle. The proposed new links can consist of any approved vendor.

Response To RFQ

2.1.1. The planning and deployment of 2 Point-to-point links in the unlicensed band. This includes:

- 2.1.1.1. Complete detailed plan of the links as required. (See attached equipment specifications point 7.3 to adhere to)
- 2.1.1.2. Bill of materials to complete the entire network.
- 2.1.1.3. Provide a resource plan, this must include planning and deployment resources require (All installation work needs to be completed by 12 May 2023).

2.1.2. The Bill of Materials Should include the following:

- 2.1.2.1. Link Equipment (Antenna specifications, ODU Specifications, IDU Specifications)
- 2.1.2.2. All Cabling
- 2.1.2.3. All Installation Materials required
- 2.1.2.4. Bracket and pole specifications
- 2.1.2.5. Resource requirements
- 2.1.2.6. Rack Space required
- 2.1.2.7. Power consumption of equipment
- 2.1.2.8. As-Built documentation

(Provide costing in Annexure B)

2.1.3. Network (Deployment, Equipment, etc.) Costing must be based on:

- 2.1.3.1. Equipment Pricing
- 2.1.3.2. Installation Pricing (Must include all Travel and accommodation)
- 2.1.3.3. Transport Costs (Courier costs, Delivery costs, Travelling)
- 2.1.3.4. Installation Material Costs

(Provide costing in Annexure B)

If there are any changes in link requirements from the link plan this needs to be communicated to Sentech with motivation thereof and costing of the required changes. These changes must be kept to a minimum.

There is no guarantee that the changes would be approved.

2.1.4. The bidder will be responsible for:

- 2.1.4.1. Complete deployment of the network.
- 2.1.4.2. Weekly updates of the project plan
- 2.1.4.3. Daily updates of installed and commissioned sites.
- 2.1.4.4. Handover documentation must be sent to Sentech within a week of the completion of sites per site.

2.1.5. The Links must be planned and deployed in the following areas:

Backhaul links (Unlicensed links to be supplied at a minimum of 250Mbps Uplink and 250 Mbps Downlink):

A -Side	A-Side	B-Side	A-Side
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		Latitude	Longitude		Latitude	Longitude
1	Sentech Mount Ayliff	30°50'11.00"S	29°23'41.00"E	BBI Mzintlava	30°48'8.38"S	29°20'14.41"E
2	Sentech Modimolle	24°47'58.00"S	28°25'59.00"E	BBI Modimolle	24°42'27.47"S	28°25'19.68"E

2.2. Annexures

2.2.1. Annexure B: Pricing Templates to be used

- a. Link Pricing
- b. NMS Pricing
- c. Training Pricing

2.2.2. Access test requirements (Layer 2)

The Ethernet service provisioned shall adhere to the following Service Level Agreement (SLA) parameters, as a minimum:

Item	Thresholds
Throughput (Committed Information Rate)	10Mbps 250 Mbps
Latency (Frame Transfer Delay)	70 ms round trip
Frame loss Ratio	<=1%
Jitter (Frame Delay Variation)	30 ms (maximum)
MTU size	1518

Table 1: Ethernet SLA Parameters

Note: The Ethernet test duration shall be a minimum 20 minutes.

2.3. Specifications

2.3.1. Microwave Link planning: Links must be planned to utilize the following specifications:

- 2.3.1.1. Minimum 250 Mbps full duplex (250:250) per link (Supply maximum upload and download ratio)
- 2.3.1.2. Network to be able to support both CIR / MIR and BE
- 2.3.1.3. Support VLAN's
- 2.3.1.4. Support Layer-2 and Metro Ethernet
- 2.3.1.5. Support QinQ (Trunk Ports)
- 2.3.1.6. NMS design inclusive of capacities required