

Request for Quotation (RFQ) for the supply of Solar Power Solution, WISP Base Station Broadband Backhaul Service Subscription, WISP Tower Co-location Service Subscription, Treated 8 Meters Wooden Poles and Installation Service of TVWS Networks

CSIR RFQ No. 9250/05/10/2020

Date of issue	Monday, 21/09/2020
Closing Date and Time :	Monday, 05/10/2020 at 16:30
Contact details	For submission of all quotations or any other enquiries: send your mail to: tender@csir.co.za
Category	Equipment
CSIR Business Hours	08h00 - 16h30

RFQ 9250/05/10/2020

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Page 1 of 18

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of Solar Power Solution, WISP Base Station Broadband Backhaul Service Subscription, WISP Tower Co-location Service Subscription, Treated 8 Meters Wooden Poles and Installation of TVWS Networks services for a period of 12 Months to the CSIR based in Pretoria

2 QUOTATION REQUIREMENTS

The following items and services are required for the CSIR for the TVWS Network Operator Programme

1. 64 x Solar Power Solution to the CSIR,
2. x WISP Base Station Broadband Backhaul Service Subscription for 12 Months,
3. x WISP Tower Co-location Service Subscription for 12 Months,
4. 60 x Treated 8 Meters Wooden Poles, and
5. Installation Service of 4 x TVWS Networks,

The required goods must meet the specifications provided in Annexures 1, 2, 3, 4 and 5 respectively.

All quotations must be accompanied by detailed specifications of the product offered.

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 3.3 No order will be issued or no contract will be signed without a valid CSD number.
 - Provide valid original or certified copy of the B-BBEE Certificate issued by an accredited verification agency and bearing a SANAS logo; **or**
 - Valid sworn affidavits made on dti designed templates; **or**
 - dti issued sworn affidavit; **or**
 - CIPC issued B-BBEE certificate.

RFQ 9250/05/10/2020

This is not a Purchase Order.

Page 2 of 18

- 3.4 No deviation from the above specification is permitted
- 3.5 **Completion of Compliance Checklists in Annexures 1, 2, 3, 4 and 5 is compulsory. A 100% compliance across all five annexures is mandatory. Incomplete Compliance Checklist(s) will result in exclusion from the bidding process.**

4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

5 OTHER TERMS AND CONDITIONS

- 5.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
- 5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.

7 Note: This is not a Purchase Order.

ANNEXURE 1

Compliance Checklist – 64 x Solar Power Solution

Failure to complete, sign and submit this Compliance Checklist along with your quotation, will result in your quotation being excluded from the evaluation process. Please mark Comply or Do Not Comply with a clear “X”.

Item	Specification	Value	Comply	Do Not Comply
1	Network	- Port: 2 x Gigabit Ethernet - Connector: RJ45		
2	Input Power Source	- Solar Panels - AC/DC Adapter (Grid Power)		
3	Input Power Terminal	- 2 x DC MC4 Connectors (Male / Female)		
4	Constant Output Power Range	- 16 VDC, 1.5 A - 24 VDC, 1 A - 48 VDC, 0.5 A		

		- Maximum Output Power: 24 Watt		
5	Output Power Terminal	- 1 x DC - 2 x Data with Passive PoE		
6	Minimum Solar Panel Specification	- Cells: 36 - VMP: 18 V - VOC: 27 V		
7	Battery	- Type: Lithium Ion, 3.6 V, 3,400 mAh Cells - Minimum Capacity Range: 150 - 300 Watt/hr - Minimum Nominal Voltage: 11V		
8	Power Usage Controller	- Self Consumption: < 0.1W		
9	Certification			
10	Power over Ethernet Standards	802.3af or 802.3a		
11	Operating Temperature	Minus 25 deg to Positive 50 deg		

12	Ruggedness (Weatherproofing) Support	IP 67		
13	Must Include Accessories	<ul style="list-style-type: none"> - Solar Panels: 200 Watt - AC/DC Converter for Grid Power - AC/DC Adapter - Lithium Ion Battery Cells - Wall/Pole/Tower Mount Brackets and Connectors 		
14	Mounting Type	Wall/Pole/Tower		

Signature (for Compliance Checklist)

Print Name

Date

Company Name

BBBEE Level

CSD Number

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VAT Registered (Yes or No)

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ANNEXURE 2

Compliance Checklist – 4 x WISP Base Station Broadband Backhaul Service Subscription for 12 Months

Failure to complete, sign and submit this Compliance Checklist along with your quotation, will result in your quotation being excluded from the evaluation process. Please mark Comply or Do Not Comply with a clear “X”.

Item	Specification	Value	Comply	Do Not Comply
1	Minimum Number of WISP Base Station to be Served	4		
2	Minimum Symmetrical Bandwidth	200 Mbps (Downlink/Uplink)		
3	Base Station Locations (Exact Coordinates to be Provided)	- 2 x Eastern Cape - 1 x Western Cape - 1x KZN		
4	Minimum Number WISP Base Station to be Served per Site	1		
5	Provision Type	Fibre/Satellite/Microwave		

6	Service Type	Dedicated, Unshaped		
7	Minimum Number of Public IP Addresses	5		
8	Service Duration	12 Months		
9	Minimum Service Availability	99.5% Uptime		

Signature (for
Compliance
Checklist)

Print Name

Date

Company Name

BBBEE Level

CSD Number

VAT Registered (Yes or No)

ANNEXURE 3

Compliance Checklist – 4 x WISP Tower Co-location Service Subscription for 12 Months

Failure to complete, sign and submit this Compliance Checklist along with your quotation, will result in your quotation being excluded from the evaluation process. Please mark Comply or Do Not Comply with a clear “X”.

Item	Specification	Value	Comply	Do Not Comply
1	Number of WISP Base Stations	4		
2	Minimum Number WISP Base Station per High Site	1		
3	High Site Tower Locations (Exact Coordinates to be Provided)	- 2 x Eastern Cape - 1 x Western Cape - 1x KZN		
4	Minimum Tower Height	30 Meters		
5	Provision Type	High Site Tower Co-location/Renting		
6	Electricity	Grid/Generator		
7	Service Duration	12 Months		

8	Minimum Service Availability	99.9% Uptime		
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Signature (for
Compliance
Checklist)

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Print Name

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Date

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Company Name

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BBBEE Level

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CSD Number

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VAT Registered (Yes or No)

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ANNEXURE 4

Compliance Checklist – 60 x Treated 8 Meters Wooden Poles

Failure to complete, sign and submit this Compliance Checklist along with your quotation, will result in your quotation being excluded from the evaluation process. Please mark Comply or Do Not Comply with a clear “X”.

Item	Specification	Value	Comply	Do Not Comply
1	Number of Poles	60		
2	Minimum Number of Poles per Network	15		
3	Network Locations (Exact Coordinates to be Provided)	- 2 x Eastern Cape - 1 x Western Cape - 1x KZN		
4	Pole Type	Round Wood		
5	Treated Method	Creosote/CCA/Tanalith E		
6	Wood Type	Pine/Eucalyptus grandis/saligna		
7	Certification	- FSC - SANS574		

8	Minimum Pole Dimensions	- Height: 8 Meters - Diameter: 120 Millimeters		
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Signature (for
Compliance
Checklist)

Print Name

Date

Company Name

BBBEE Level

CSD Number

VAT Registered (Yes or No)

ANNEXURE 5

Compliance Checklist – 4 x TVWS Rural Networks Installation

Failure to complete, sign and submit this Compliance Checklist along with your quotation, will result in your quotation being excluded from the evaluation process. Please mark Comply or Do Not Comply with a clear “X”.

Item	Specification	Value	Comply	Do Not Comply
1	Number of TVWS Rural Networks	4		
2	Minimum Number of Networks per Location	1		
3	Network Technology	- TVWS - Wi-Fi		
4	Minimum Number of Nodes to be installed per Network	-1 x TVWS Base Station (to be Installed on Co-located High Tower Sites) - 5 x TVWS Client Stations (to be installed on Wooden Poles co-located with Wi-Fi Access Points) - 15 x Outdoor Wi-Fi Access Points		

		(to be installed on Wooden Poles co-located with TVWS Client Stations) - 16 x Solar Power Solution kit (to be installed at the Base Station Location and at the Client/Wi-Fi Locations)		
4	Network Locations (Exact Coordinates to be Provided)	- 2 x Eastern Cape - 1 x Western Cape - 1x KZN		
5	Mount Wooden Poles	60 (15 per Network)		
6	Backhaul Connection	200 Mbps at each TVWS Base Station		
7	Commissioning and Handover	4 x Live TVWS Rural Networks		

Signature (for Compliance Checklist)

Print Name

Date

RFQ 9250/05/10/2020

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Company Name

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BBBEE Level

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CSD Number

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VAT Registered (Yes or No)

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DECLARATION BY TENDERER

Only tenderers who completed the declaration below will be considered for evaluation.

RFP No: 9250/05/10/2020.

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / RFQ specifications stipulated in RFQ No. **9250/05/10/2020** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the CSIR during the validity period indicated and calculated from the closing date of the RFQ.

I confirm that I am satisfied with regards to the correctness and validity of my quotation; that the price(s) and rate(s) quoted cover all the services specified in the RFQ documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this proposal as the principal liable for the due fulfilment of this proposal.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other request for quotations.

I accept that the CSIR may take appropriate actions, deemed necessary, should there be a conflict of interest or if this declaration proves to be false.

RFQ 9250/05/10/2020

This is not a Purchase Order.

Page 17 of 18

I confirm that I am duly authorised to sign this proposal.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES	
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