



## ***Request for Quotation (RFQ) for Installation of TVWS and Wi-Fi Networks - Inland Provinces***

### ***CSIR RFP No. 9353.1/6/05/2022***

Date of Issue	Friday, 22 April 2022	
Closing Date	Friday, 06 May 2022 at 16:30	
Online Compulsory Briefing via the link provided	Thursday, 28 April 2022 at 13:00 <a href="#">Click here to join the meeting</a>	
Electronic submission	Email: <a href="mailto:tender@csir.co.za">tender@csir.co.za</a> If the size of the documents exceed 25MB, send multiple emails. Use the tender number and description as the subject on the email.	
Enquiries	Strategic Procurement Unit	E-mail: <a href="mailto:tender@csir.co.za">tender@csir.co.za</a>
Closing date for queries:	Thursday, 28 April 2022 by 16h30	
Publication of queries and answers by the CSIR	Tuesday, 03 May 2022	<a href="#">Active Tenders   CSIR</a>
CSIR business hours	08h00 – 16h30	

## **1 INVITATION FOR QUOTATION**

Quotations are hereby invited for the installation of Television White Space (TVWS) and Wi-Fi networks and supply of wooden poles to various CSIR sites.

## **2 QUOTATION REQUIREMENTS**

- i. 4 x Installation of TVWS and Wi-Fi networks.
- ii. 31 x Supply of wooden poles.
- iii. Supply of installation accessories

The required goods must meet the specifications provided in Annexures A and B.

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

### 3 EVALUATION CRITERIA

- 4.1 Selection of suppliers will be based on the 80/20 preference point system.
- 4.2 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use [www.csd.gov.za](http://www.csd.gov.za) to register.
- 4.3 No order will be issued, or no contract will be signed without a valid CSD number.
- Provide valid copy of the B-BBEE Certificate issued by an accredited verification agency and bearing a SANAS logo; **or**
  - Valid sworn affidavits made on DTIC designed templates; **or**
  - DTIC issued affidavit; **or**
  - CIPC issued B-BBEE certificate.
- 4.4 No deviation from the above specification is permitted
- 4.5 Completion of Compliance Checklists in Annexures A and B are compulsory. Compliance Checklist(s) will result in exclusion from the bidding process.**

### 4 ELIMINATION CRITERIA

Proposals will be eliminated under the following conditions:

- Failure to attend the compulsory briefing.
- Submission after the deadline.
- Proposals submitted at incorrect location or email address (Bids must be submitted electronically at [tender@csir.co.za](mailto:tender@csir.co.za)).
- Failure to submit at least two (2) reference letters with contact details for projects of a similar nature not older than five (5) years.
- If bidder did not complete “Compliance Checklists” in Annexure A and B.
- If the bidder fails to meet the Local Production and Content requirements (Bidder must submit completed and signed local content Annexure C and SBD 6.2 declaration certificate for Local Production and Content).

### 5 PRICING QUOTATION

- 6.1 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.
- 6.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 6.3 Payment will be according to the CSIR Payment Terms and Conditions.

## **6 OTHER TERMS AND CONDITIONS**

- 7.1 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.
- 7.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.
- 7.3 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.**
- 7.4 **Prospective suppliers must provide at least two (2) reference letters with contact details for projects of a similar nature not older than five (5) years.**
- 7.5 **In an attempt to reduce administration, while ensuring that the CSIR mitigates against any construction risk, 10% retention will be deducted on all invoices for work completed and approved for payment. When all outstanding defects have been fixed and or resolved. The retention monies will be released three (3) months, after final project completion subject to no further defects being identified.**
- 7 Note: This is not a Purchase Order.**

## ANNEXURE A

## Compliance Checklist – 4 x TVWS and Wi-Fi 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	Certification	Must possess valid professional installer license issued by ICASA or equivalent		
2	Proven Ability to Install Network Technology	<ul style="list-style-type: none"> <li>• Microwave</li> <li>• Wi-Fi</li> <li>• TVWS</li> <li>• Fibre Optic</li> </ul>		
3	Network Deployment Locations	<ul style="list-style-type: none"> <li>• 1 x Maropeng, Lephalale, Waterberg District Municipality, Limpopo  Base Station GPS Location: Lat: -23.656543; Long: 27.62756</li> <li>• 1 x Jane Furse, Sekhukhune District Municipality, Limpopo  Base Station GPS Location: Lat: -24.754095; Long: 29.868564</li> <li>• 1x KwaMhlanga, Nkangala District Municipality, Mpumalanga  Base Station GPS Location: Lat: -25.451369; Long: 28.733303</li> <li>• 1 x Rustenburg, Bojanala Platinum District Municipality, North West Base Station GPS Location: Lat: -25.506282; Long: 27.097858</li> </ul>		
4	Number of TVWS and Wi-Fi Networks to be Deployed	4		

Item	Specification	Value	Comply	Do Not Comply
5	Minimum Number of Networks to be Deployed per WISP	1		
6	Number of TVWS Base Stations to be Installed.	4 x TVWS Base Stations (1 base station per network)		
7	Installation of TVWS Client Stations on Wooden Poles/or Wall Mounts	16 x TVWS Client Stations		
8	Installation of Wi-Fi Base Stations on High Sites	12 x Wi-Fi Base Stations		
9	Installation of Wi-Fi Customer Premises Equipment on Wooden Poles/or Wall Mounts	60 x Wi-Fi Customers Premises Equipment		
10	Installation of Outdoor Wi-Fi Access Points on Wooden Poles/or Wall Mounts	60 x Outdoor Wi-Fi Access Points		
11	Installation of Indoor Wi-Fi Router	64 x Indoor Wi-Fi Router		
12	Installation of Wi-Fi Relay Stations on Wooden Poles/or Wall Mounts	16 x Wi-Fi Client Stations		
13	Installation of Solar Power Solution on High Sites and Wooden Poles	30 x Solar Power Solutions		
14	Erecting of Wooden Poles in Various Network Locations	31 x Wooden Poles		
15	Configuration of Backhaul Connection to the TVWS & Wi-Fi Networks	4 x 200 Mbps at each High Site		
16	Provision of Network Planning in Coordination with CSIR	4 x TVWS and Wi-Fi Networks		
17	Liaise with CSIR for Integration of the TVWS Network with the S-GLSD	4 x TVWS and Wi-Fi Networks		
18	Configuration of Billing and Back Office Solution for each WISP	4 x WISPs		
19	Integrate all Network Elements, Commissioning and Handover of the Live Rural Networks to the CSIR	4 x Live TVWS and Wi-Fi Networks		
20	Installation Accessories	<ul style="list-style-type: none"> <li>31 x L -Shaped Antenna Mount (1500 mm x 1000 mm x 50 mm)</li> </ul>		

Item	Specification	Value	Comply	Do Not Comply
		<ul style="list-style-type: none"> <li>• 29 x 6 m aluminium poles (50 mm diameter x 5 mm thickness)</li> </ul>		
		<ul style="list-style-type: none"> <li>• 29 x Square brackets wall-mount (550 mm).</li> </ul>		
		<ul style="list-style-type: none"> <li>• 600 m x Outdoor UV Shielded CAT 6 Ethernet Cable</li> </ul>		
		<ul style="list-style-type: none"> <li>• 400 x RJ45 connectors</li> </ul>		
		<ul style="list-style-type: none"> <li>• Screws &amp; Plugs for mounting the Square Brackets</li> </ul>		
		<ul style="list-style-type: none"> <li>• Cable ties for all installation sites</li> </ul>		

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 B

## Compliance Checklist – 31 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 Wooden Poles	31		
3	Poles to be Supplied and erected at the Following Network Locations Note: The TVWS CPEs/clients and Wi-Fi access points will be installed within a 15 km radius from the TVWS base stations. The actual GPS coordinates will be provided to the successful bidder	<ul style="list-style-type: none"> <li>• 6 x Maropeng, Lephale, Waterberg District Municipality, Limpopo</li> <li>• 5 x Jane Furse, Sekhukhune District Municipality, Limpopo</li> <li>• 15 x KwaMhlanga, Nkangala District Municipality, Mpumalanga</li> <li>• 5 x Rustenburg, Bojanala Platinum District Municipality, North West</li> </ul>		
4	Pole Type	Round Wood		
5	Treated Method	Creosote/CCA/ Tanalith E		
6	Wood Type	Pine/Eucalyptus grandis/saligna		
7	Certification	<ul style="list-style-type: none"> <li>• FSC</li> <li>• SANS574 or equivalent</li> </ul>		
8	Minimum Pole Dimensions	<ul style="list-style-type: none"> <li>• Height: 8 Meters</li> </ul>		



Item	Specification	Value	Comply	Do Not Comply
		<ul style="list-style-type: none"> <li>Diameter: 120 Millimetres</li> </ul>		

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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**DECLARATION BY TENDERER**

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

**RFQ No**\_\_\_\_\_.

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. \_\_\_\_\_ 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.

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

NAME (PRINT) .....  
CAPACITY .....  
SIGNATURE .....  
NAME OF FIRM .....  
DATE .....

WITNESSES	
1	.....
2	.....
DATE: .....	