



## ***Request for Quotation (RFQ) for supply of TVWS Radio Equipment – Broadband/IoT***

**CSIR RFQ No. 5788/01/02/2022**

|  |   |  |
|--|---|--|
| Date of Issue                                  | Tuesday, 18 January 2022  |  |
| Closing Date                                   | Tuesday , 01 February 2022 by 16h30   |  |
| Electronic submission                          | Email: <a href="mailto:tender@csir.co.za">tender@csir.co.za</a><br>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:                      | Friday, 21 January 2022 by 16h30  |  |
| Publication of queries and answers by the CSIR | Tuesday, 25 January 2022  | <a href="#">Active Tenders   CSIR</a>                            |
| CSIR business hours                            | 08h00 – 16h30   |  |

## **1 INVITATION FOR QUOTATION**

Quotations are hereby invited for the supply of assorted Television White Space (TVWS) radio equipment to the CSIR Scientia Campus, Meiring Naude Road, Pretoria.

## **2 QUOTATION REQUIREMENTS**

- i. 2 x AFRIKO/Innonet TVWS Base Station BUHST11A Full Kit.
- ii. 4 x AFRIKO/Innonet TVWS Slave Station BUHST11B Full Kit.

The required goods must meet the specifications provided in Annexure A.

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

## **3 LOCAL CONTENT AND PRODUCTION**

- 3.1 Only locally manufactured goods and/or services from local raw material or input will be considered.
- 3.2 If the raw material or input to be used for a specific item is not available locally, bidders should obtain written authorisation from the DTIC should there be a need to import such raw material or input and;
- 3.3 A copy of the authorisation letter must be submitted together with the bid document at the closing date and time of the RFQ. For further information, bidders may contact the Electrical and Steel sector unit within the DTIC at telephone 012 394 3717/1390 during office hours..
- 3.4 The guidelines and declarations that should be used by tenderers when preparing a tender are available on the DTIC website. Guidance on the calculation of local content and manufacturing can be assessed on the DTIC's official website – [http://www.theDTI.gov.za/industrial\\_development/ip.jsp](http://www.theDTI.gov.za/industrial_development/ip.jsp)
- 3.4.1 Tenderers must complete Declarations D and E, and consolidate the information on Declaration C. Annexures C, D and E must be submitted with the tender by the closing date and time as determined by the CSIR. If the tender is successful, the tenderer must continuously update Declarations C, D and E with actual values for the duration of the contract.

- 3.5 The Declaration Certificate for Local Production and Content (SBD 6.2) in addition to the above declarations must also be completed, duly signed and submitted by the bidder at the closing date and time of the tender; and
- 3.6 The rates of exchange quoted by the bidder in paragraph 6.8 below of the declaration certificate will be verified for accuracy.
- 3.7 The exchange rate to be used for the calculation of local production and content must be the exchange rate published by the South African Reserve Bank (SARB) AT 12:00 on the date of advertisement of bid.
- 3.8 Only the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 must be used to calculate local content.
- 3.9 Bidders must clearly indicate in their bids, the quantities of products to be supplied, and the level of local content for each product.
- 3.10 Applicable local production and content minimum thresholds for this tender are as per the table below:

| Sector   | Minimum Local Content Threshold Applicable |
|--|--|
| Steel Product (If steel brackets are applicable for installations) | 100%                                       |

See attached **Annexure B**: Guidance Document for the Calculation of Local Content

### 3.11 How to apply for exemption:

The exemption request must be on your signed company's letter-head and cover the following:

- The procuring entity/government department/state owned company,
- Tender/bid number,
- Closing date,
- Item(s) for which the exemption is being requested for,
- Description of the goods, services or works for which the requested exemption item will be used for and the local content that can be met,
- Reason(s) for the request.
- Attach specification issued by the procuring entity
- Supporting letters from local manufacturers/sub-suppliers (if applicable)

**Attention to:**

Dr. Tebogo Makube  
 Chief Director: Industrial Procurement Unit  
 The Department of Trade and Industry  
 Private Bag X84,

Pretoria,  
Gauteng, 0001

#### **4 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 Annexure A is compulsory. Incomplete Compliance Checklist(s) will result in exclusion from the bidding process.**

#### **5 ELIMINATION CRITERIA**

Proposals will be eliminated under the following conditions:

- 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)).
- If bidder did not complete "Compliance Checklists" in Annexure A.
- Failure to submit at least two (2) reference letters with contact details for projects of a similar nature not older than five (5) years.
- Failure to submit the partnership status of the equipment supplied. Bidder must submit a letter or certificate from the OEM of the supplied equipment.
- 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).

## **6 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.

## **7 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.**
- 8 Note: This is not a Purchase Order.**

**ANNEXURE A****Compliance Checklist – Assorted TVWS Radio Equipment**

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   | ICASA TA<br><br>(Alternatively, must have PASSED the CSIR S-GLSD connectivity compliance assessment) |        |               |
| 2    | Supported Frequency Band  | 470 MHz to 694 MHz, excluding the 606 MHz to 614 MHz RAS sub-band                                    |        |               |
| 3    | AFRIKO/Innonet TVWS Base Station Full Kit: <ul style="list-style-type: none"> <li>• Main Base Station BUHST11A 27 dBm TVWS UHF Band B/H, Wi-Fi/LAN/BLE/RS-485 Service x 1</li> <li>• Bracket BUHST11_01 For Wall or Pole x 1</li> <li>• TVWS Antenna BUHST11_02 Ya gi Ant, 470 ~ 698MHz, 50 Ohm, 10dBi, 50° BW x 1</li> </ul> | 2  |        |               |

| Item | Specification  | Value | Comply | Do Not Comply |
|------|--|-------|--------|---------------|
|      | <ul style="list-style-type: none"> <li>• WiFi Antenna BUHST11_03 Omni<br/>– directional Ant, 2.4GHz, 50 Ohm, Typ. 7dBi x 1</li> <li>• BLE Antenna BUHST11_04 Omni<br/>– directional Ant, 2.4GHz, 50 Ohm, Typ. 5dBi x 1</li> <li>• PoE Injector BUHST11_05 AC<br/>220 to DC (53V), 80W x 1</li> <li>• AC Cord BUHST11_06 x 1</li> </ul>   |       |        |               |
| 4    | <p>Afriko/Innonet TVWS Slave Station</p> <p>Full Kit:</p> <ul style="list-style-type: none"> <li>• Base station Slave<br/>BUHST11B 27dBm TVWS<br/>UHF Band B/H, Wi-Fi/LAN/BLE/RS-485 service x 1</li> <li>• Bracket BUHST11_01 For<br/>Wall or Pole x 1</li> <li>• TVWS Antenna BUHST11_02<br/>Yagi Ant, 470 ~ 694 MHz, 50 Ohm, 10dBi, 50° BW x 1</li> <li>• Wi-Fi Antenna BUHST11_03<br/>Omni – directional Ant,<br/>2.4GHz, 50 Ohm, Typ. 7dBi x 1</li> <li>• BLE Antenna BUHST11_04<br/>Omni – directional Ant,<br/>2.4GHz, 50 Ohm, Typ. 5dBi x 1</li> </ul> | 4     |        |               |

| Item | Specification   | Value  | Comply | Do Not Comply |
|------|---|--|--------|---------------|
|      | <ul style="list-style-type: none"> <li>PoE Injector BUHST11_05 AC 220 to DC (53V), 80W x 1</li> <li>AC Cord BUHST11_06 x 1</li> </ul> |  |        |               |
| 5    | Supported Input Power Rating  | Voltage over AC:<br>100-240 V,<br>Frequency: 50-60 Hz<br>Voltage over DC<br>Range: 12 - 56 VDC |        |               |
| 6    | Minimum Ruggedness (Weatherproof and Anti vibration protection)   | IP 65 or Equivalent  |        |               |
| 7    | Power over Ethernet Connector   | RJ 45  |        |               |

Signature (for Compliance Checklist)

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Print Name

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Date

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Company Name

-----

BBBEE Level

-----

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: ..... |       |