

ANNEX 'D' TO  
TENDER NO- 06.06.0000.275.07.158.25  
DATED: 24 SEPTEMBER 2025

**TECHNICAL SPECIFICATION OF ITEM (DP-5)**

**TENDER TERMS AND CONDITIONS FOR PROCUREMENT OF 13 X L/I SPARES FOR MAINTENANCE OF ALL BAF DIGITAL MICROWAVE LINKS**

**Terms & Condition:**

1. Offers are invited from the competent/ prospective bidders for supply of 13 x L/I spares for maintenance of all BAF Digital Microwave Links. Details of the items are given at Appendix 1 of Annex D.
2. Bidder may participate in the tender directly as a principal supplier/manufacture or through their local agent enlisted in Directorate General of Defence Purchase (DGDP) in Bangladesh. Authorization certificate from principal supplier/manufacture to local agent is to be included with the offer.
3. The bidder is to submit original brochure/catalog with the offer. All technical data provided with the quotation must be supported by the submitted brochure/catalog.
4. If the bidder is not the manufacturer of the item/equipment, then bidder should provide Original Equipment Manufacturer's (OEM) certificate mentioning date of production, warranty, guarantee and spare support as required along with the item/ equipment.
5. Each item should be brand new, unused and latest product. Bidder should mention the year of production of the offered items and it should not be earlier than 2024. Offer of refurbished item will not be considered for further evaluation.
6. Appropriate software and necessary programming kits (if applicable) must have to be provided with the items (If required). Prices of the software and programming kits are to be quoted separately, if the same is/ are not provided free of cost (FOC).
7. The supplier is to offer all the items as per the packages mentioned in technical specification. Lowest bidder will be determined on the basis of overall price of all the offered items of each package. Offer of partial L/I will not be considered for evaluation.
8. All items must be suitable and compatible with the existing digital microwave links/ equipment used in BAF (as per Appendix 1).
9. In the offer, cost of each line item and other charges (if any) are to be quoted separately.
10. BAF may disqualify the offer of a bidder/ supplier who has previous record of poor performance, such as abandoning the works, not properly completing the contract, excessive delay to supply the contracted items, litigation history or financial failures.
11. BAF may disqualify any offered equipment/ item which model of equipment/ item has previous record of dissatisfactory performance during operation/ functional check in BAF.
12. Delivery of the items is to be completed within 10 months from the date of signing the contract.
13. Warranty period of each item shall be minimum one year from the date of acceptance of the item by BAF. Supplier is to provide the warranty certificate during supply of the items.
14. If any item is found unsatisfactory/ unserviceable during inspection/ functional check by BAF, must be replaced within 45 days by the supplier free of cost. If any item becomes unserviceable within the warranty period, supplier must repair or replace the item within 45 days. Both ways freight and insurance charges shall have to be borne by the supplier.
15. If the supplier fails to repair/ replace any item under warranty claim within the stipulated days as given above, then the warranty period would be extended by the number of days of delay in repairing/ replacing the item under warranty.
16. The items will be accepted after satisfactory prompt and compatibility satisfactory acceptance check and functional test by BAF.



17. Any item having dissimilar part number or description is to be mentioned clearly in the offer. In this regard proper fitness certificate/ document and compatibility of the item must be enclosed with the offer. Any change in part number or description must be settled before signing the contract. There will be no scope of changing the offered part number or description after signing the contract
18. Physical inspection of the items will be carried out at 201 MU BAF. Functional check of the items will be carried out in presence of supplier's representative (if available) at BAF Comm Unit. All the items are to be handed over to BAF by the supplier in serviceable and operational condition.
19. DGDP/BAF reserves the right to increase/ decrease the quantity of item depending on the cost and requirement.
20. No conditional offer will be accepted.
21. Offer must remain valid up to 30 June 2026. Within the validity, withdrawal of offer or un-willingness to sign the contract by the bidder will not be accepted and in such cases, actions would be taken against the supplier as per DGDP rules.
22. Prior permission from BTRC and any other required agency to import the items is to be done by the supplier. In this regard, BAF will provide end user certificate to the supplier (if required).
23. Payment Terms. Payment in foreign currency will be made through an irrevocable letter of credit (LC) as under:
- a. 70% CFR/CPT value will be paid on production of shipping documents to the bank.
  - b. 20% CFR/ CPT value will be paid on satisfactory acceptance of the 100% items by BAF after inspection/functional test (as applicable) and on production of CRV from 201 MU BAF.
  - c. Rest 10% CFR/ CPT value will be paid after expiry of warranty period.
24. Compliance of tender terms and conditions must be mentioned in the quotations by the bidders as per the above sequence separately. Each clause is to be "fully complied" by the bidder individually. Mentioning "comply to all terms and conditions" without individual clause compliance will be treated as non-compliance to all terms or conditions.
25. Any other term or condition not covered here will be as per DGDP rules and regulations.

**MISC TERMS AND CONDITIONS FOR PROCUREMENT OF 13 X L/I SPARES FOR MAINTENANCE OF ALL BAF DIGITAL MICROWAVE LINKS**

**MISC TERMS & CONDITION**

1. The bidder must mention the full address including Telephone number, Fax number and e-mail address in the offer. The bidder also mention the name and full address (including Telephone number, Fax number and e-mail address) of the local agent (if any) in the offer.
2. If any change is required in contract/LC due to fault of supplier, all expenses to be borne by the supplier
3. Normally transshipment is not allowed. However, if the bidder needs transshipment they are to mention in the offer about their requirement. In case of such requirement, the transshipment may only be allowed under single AWB/BL.
4. The bidder is to mention the country of origin, country of manufacture and port of shipment of the items in the offer. After submission of offer country of origin, country of manufacturer will not be changed.
5. No increase of price at any stage after submission of offer will be accepted by BAF
6. The bidder is to quote FCA/ FOB cost and freight charges (by both air and sea) separately & clearly in financial offer. Any price/ cost quoted in the pages of quotation other than financial offer will not be considered.





7. For failure to supply the contracted goods in time, DGDP/ BAF may cancel the contract with necessary punitive action
8. Delivery schedule mentioned in the tender specifications may be changed by DGDP/ BAF due to delay in concluding the contract. In this case, the contract would be signed within offer validity period. DGDP/ BAF also reserves the right to get the offer validity extended with the consent of the supplier.
9. Part shipment and part payment: Not allowed.
10. AWB/ BL must be in the name of consignee
11. Compliance of tender terms and conditions should be mentioned in the quotations by the bidders as per the above sequence.

A handwritten signature in black ink, appearing to be 'Sant', located in the bottom right corner of the page.

**LIST OF 13 X LINE SPARES FOR BAF ALL DIGITAL MICROWAVE LINKS**

| Ser No | Name/Description of Eqpt       | Unit | Qty | Tech Spec   | Remarks   |
|--------|--------------------------------|------|-----|---|---|
| 1.     | Indoor Unit (IDU)              | Ea   | 4   | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Origin: USA/UK/ EU/ Canada /Japan/ Australia/ China/ Singapore<br>d. Country of Manufacture & Assembly: Bidder is to mention<br>e. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>f. Configuration: 1+1, space diversity<br>g. Capacity: 16xE1<br>h. Minimum SFP port: 04<br>j. Independent Ethernet data port: 03 or more<br>k. Minimum Total throughput: 500 Mbps. IDU Protection facility along with nec reqr and related hardware, software, key, feature license, capacity license, Installation materials, connector's cables etc. | All items must be compatible with the existing Microwave equipment of Bangladesh Air Force Communication Unit – Bangladesh Air Force Base Bir Uttam A K Khandker, Bangladesh Air Force Base Birsreshto Matiur Rahman, 71 Squadron, Bangladesh Air Force Radar Unit Bogura & 203 Maintenance Unit MW link. |
| 2.     | Outdoor Unit (ODU) High Freq   | Ea   | 2   | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Origin: USA/UK/EU/Canada /Japan/ Australia/ China/ Singapore<br>d. Country of Manufacture & Assembly: Bidder is to mention<br>e. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>f. Freq: Tx: 7645-7785 MHz, 245 MHz Hi.<br>Rx: 7400-7540 MHz, 245MHz Low.<br>g. Minimum Total throughput: 500 Mbps   |   |
| 3.     | Outdoor Unit (ODU) Low Freq    | Ea   | 4   | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Origin: USA/UK/ EU/ Canada /Japan/ Australia/ China/ Singapore<br>d. Country of Manufacture & Assembly: Bidder is to mention<br>e. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>f. Freq: Tx; 7400-7540 MHz, 245MHz Low.<br>Rx: 7645-7785 MHz, 245 MHz Hi.<br>g. Minimum Total throughput: 500 Mbps   |   |
| 4.     | If Feeder Cable with connector | mtr  | 300 | RG-8 75 $\Omega$ , USA Standard. Feeder cable must be capable to operate the quoted IDU and ODU along with 50 set (01 set = 02 connectors, 01 for ODU side and 01 for IDU side) suitable connectors.  |   |



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| Ser No | Name/Description of Eqpt  | Unit | Qty | Tech Spec   | Remarks   |
|--------|---|------|-----|---|---|
| 5.     | IF Cable N-Type Male connector for IDU & ODU                      | Ea   | 10  | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Manufacture & Assembly: Bidder is to mention<br>d. Year of Manufacture: Not earlier than one Calendar Year of the contract   |   |
| 6.     | Sealed Rechargeable maintenance free Battery with all accessories | Ea   | 12  | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Manufacture & Assembly: Bidder is to mention<br>d. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>e. Capacity: 12V DC, 120AH   | 04 x Bangladesh Air Force Base Bir Uttam A K Khandker and 08 x Bangladesh Air Force BAF Radar Unit Moulovibazar   |
| 7.     | Indoor Unit (IDU)   | Ea   | 2   | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Origin: USA/UK/ EU/ Canada /Japan/ Australia/ China/ Singapore<br>d. Country of Manufacture & Assembly: Bidder is to mention<br>e. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>f. Configuration: 1+1, space diversity<br>g. Capacity: 16xE1<br>h. Minimum SFP port: 04<br>j. Independent Ethernet data port: 03 or more<br>k. Minimum Total throughput: 500 Mbps<br>IDU Protection facility along with nec reqr and related hardware, software, key, feature license, capacity license, Installation materials, connector's cables etc. | All items must be fully compatible with the existing Microwave equipment of Bangladesh Air Force Communication Unit – Bangladesh Air Force Base Bir Uttam Sultan Mahmud MW link |
| 8.     | Outdoor Unit (ODU) High Freq                                      | Ea   | 2   | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Origin: USA/UK/EU/Canada /Japan/ Australia/ China/ Singapore<br>d. Country of Manufacture & Assembly: Bidder is to mention<br>e. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>f. Freq: Tx: 7583.75-7636.25 MHz, 154 MHz Hi.<br>Rx: 7429.75-7482.25 MHz, 154 MHz Low.<br>g. Minimum Total throughput: 500 Mbps  |   |
| 9.     | Outdoor Unit (ODU) Low Freq                                       | Ea   | 2   | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Origin: USA/UK/ EU/ Canada /Japan/ Australia/ China/ Singapore<br>d. Country of Manufacture & Assembly: Bidder is to mention<br>e. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>f. Freq: Tx; 7429.75-7482.25 MHz, 154 MHz Low.<br>Rx: 7583.75-7636.25 MHz, 154 MHz Hi.<br>g. Minimum Total throughput: 500 Mbps  |   |



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| Ser No | Name/Description of Eqpt               | Unit | Qty | Tech Spec   | Remarks   |
|--------|--|------|-----|---|---|
| 10.    | Air Conditioner                        | Ea   | 2   | a. Brand Name: General/Panasonic/Gree<br>b. Model: Bidder is to mention<br>c. Country of Manufacture & Assembly: Bidder is to mention<br>d. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>e. Capacity: 2 Ton   | Bangladesh Air Force Communication Unit (For Central Microwave LOS station)   |
| 11.    | Dehumidifier                           | Ea   | 1   | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of Manufacture & Assembly: Bidder is to mention<br>d. Year of Manufacture: Not earlier than one Calendar Year of the contract<br>e. Capacity: 30 ltr  |   |
| 12     | Rectifier Charger with all accessories | Ea   | 09  | a. Brand Name: Bidder is to mention<br>b. Model: Bidder is to mention<br>c. Country of origin: USA/UK/ EU/ Canada /Japan/ Australia/ China/ Singapore<br>d. Country of Manufacture: Bidder is to be mention<br>e. Input Voltage: 220VAC $\pm$ 15%<br>f. Output Voltage: - 52.52 VDC $\pm$ 1% to 3%<br>g. Output Current: 30 Amps along with AC lead, DC lead and all accessories. | 02 x Bangladesh Air Force Base Zahurul Haque, 01 x Bangladesh Air Force Base Bir Uttam Sultan Mahmud, 04 x Bangladesh Air Force Communication Unit and 02 x Bangladesh Air Force Radar Unit Moulvibazar |
| 13.    | Power Stripper (Electric Plug)         | Ea   | 10  | a. Brand Name: Click<br>b. Model: Bidder is to mention<br>c. Country of Manufacture & Assembly: Bidder is to mention<br>d. Capacity: Minimum 5 point<br>e. Cable Length: 10 mtr<br>d. Year of Manufacture: Not earlier than one Calendar Year of the contract   | Bangladesh Air Force Communication Unit (For Radio Microwave work shop, HF VHF work shop, Central LOS, Karel exchange, PA System and Office)  |

