

TENDER SPECIFICATION FOR SATELLITE COMMUNICATION TERMINAL

1. **Name of Equipment** : Satellite Communication Terminal (SATCOM).
2. **Purpose** : Bangladesh Navy (BN) urgently intends to procure 03 (three) sets of Satellite Communication Terminal for installation in BN ships.
3. **Quantity** : 03 (Three) Complete Terminals with all associated accessories.
4. **Type** : Marine Type.
5. **Country of Origin** : USA/ EU Country.
6. **Country of Manufacture** : USA/ EU Country.
7. **Original Equipment Manufacturer (OEM)** : Name and full address including email of OEM must be mentioned.
8. **Supplier** : Name and full address including email of supplier must be mentioned.
9. **Brand & Model** : To be mentioned (upgraded version).
10. **Year of Manufacture** : 2025 or later.
11. **Date of Introduction of the Offered Model in the Market** : To be mentioned.
12. **Life Expectancy of the Equipment** : Min 10 years as well as refer to OEM.
13. **Qualification of Bidders.** Only the genuine manufacturers or their authorized dealer (principal) can submit quotation through their authorized agents enlisted at NSSD. In case of dealer (principal), manufacturer's certificate of authorization has to be submitted with the offer.
14. **Certificate and Document of Authentication.** The concerned supplier must provide following original certificate(s)/ document(s) as applicable with the quotation and during delivery of items as regard to the genuinity of source and item(s) in order to establish chain of links from the original source to supply of items:
 - a. One certificate by the Original Equipment Manufacturer (OEM) in favour of the supplier/ local agent (in case of OEM as principal).
 - b. Two certificates, one by the OEM to authorized agent and other by the authorized agent to supplier/ local agent (in case of authorized agent as principal).
 - c. Three certificates, first one by OEM to authorized agent, second one by authorized agent to sub-agent and third one by sub-agent to supplier/ local agent (in case of sub-agent as principal). If the supplier/ local agent is unable to obtain the first certificate (by OEM to authorized agent), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.
 - d. Quality Assurance Certificate (QAC) by the Original Equipment Manufacturer (OEM).

15. **Documents.** The following documents are to be submitted with the offer:

- a. Certificate of assurance for minimum 10 years supply of spares with reasonable price.
- b. Original brochure/catalogue of the offered model of Satcom terminal.
- c. Manufacturer's/ distributor's/ agent's/ dealer's certificate mentioning that the supplier (enlisted bidder) is being authorised for this quotation/ offer and will be liable to fulfil all contractual obligation if the firm is awarded contract.
- d. Local Agent must have at least five years business experience and permanent infrastructure in selling and maintaining radio communication products. Necessary documentation are to be submitted with offer.

16. **Environmental Standard.**

- a. Temperature : Minimum -25° to +55° C.
- b. Humidity : Non-condensing.
- c. Storage Temperature : To be mentioned.

17. **Scope of Supply and Services.** Following items and services are to be provided under this tender:

- a. Supply of 03 X SATCOM Terminal and related accessories (Modem; Antenna, Cables etc).
- b. Installation and testing of supplied equipment.
- c. Arrange for the Activation/ Connectivity and necessary Airtime from a suitable Satellites Service Provider.
- d. Provide free warranty services at least for 03 (three) years.

18. **Specifications of Satellite Communication Terminal.** Technical specifications of the SATCOM Terminals are as follows:

- a. **System Standard.** The SATCOM Terminals should fully comply with Fleet Broadband 500 Standards or better (Broadband Internet access with Standard IP up to 432 kbps & Streaming IP upto 256 kbps, Telephone, Fax, SMS services etc). The system should be marine type; should be readily compatible to be used/ installed on land/ shore base stations.
- b. **Equipment Outfit.** Following items and accessories must be included in each SATCOM Terminal's packages:
 - (1) Above Deck Unit (Antenna) with mounting accessories.
 - (2) Below Deck Unit (Main Unit/ Modem) with mounting accessories, power supply cable and connection cables for LAN, Fax, Telephone.
 - (3) Fleet Broadband BDU in 19" Rack.
 - (4) Accessories for 19" Rack.
 - (5) Accessories box kit for 19" Rack.



- (6) IP Handset incl. Cradle, Wired.
- (7) Software CD Pack.
- (8) Set of connection cable between Above Deck Unit and Below Deck Unit (should be at least 50 mtr in length).
- (9) Laptop PC (Processor: Intel i7, equivalent AMD or greater processor, Memory: 16 GB RAM, Storage: 500 GB solid state (SSD) hard drive minimum,)

19. **Operators Manual/ Workshop Manual/Installation Guide**. One copy of Operators Manual, workshop manual and Installation Guide (in English) for each offered SATCOM Terminal is to be submitted along with the offer.

20. **Installation, Test/ Trial & Acceptance**.

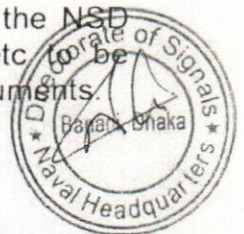
- a. Supplier will install the set with proper earthing in presence of BN personnel at respective BN Unit as soon as possible and carryout necessary test and trials. The Supplier's Engineer will show BN personnel about routine operation and maintenance procedure of the set. During the installation, test and trials, Supplier will provide additional materials required for full functioning of the set if otherwise not mentioned in this contract at free of cost.
- b. If any component of the supplied set is found defective during installation, test and trial those are to be replaced immediately by new ones free of cost (including freight, insurance and all other cost). BN is to return the defective equipment after receiving the replaced item.
- c. Cost for installation is to be borne by the supplier.
- d. Any damage to equipment, items, machineries are to be compensated by bidder during installation and make the damage items operational with its full functionality.
- e. Installation, test and trial must be completed within 30 working days.
- f. On satisfactory completion of installation, test and trial, BN will issue Final Acceptance Certificate.

21. **Warranty and Maintenance Support**.

- a. International Warranty Period for 03 (three) years shall commence with effect from the date of Final Acceptance by BN (after satisfactory Installation, Test and Trials) of the SATCOM Terminals and all supplied items.
- b. If any defect occurs during the Warranty Period, BN will inform the Supplier about the defect by 'quickest means. Upon receipt of such information, the Supplier shall repair or replace the equipment (or any part thereof) free of cost within reasonable time where the ships are deployed.
- c. During the warranty period if any item remains non-operational for any action pending by the supplier, the warranty period will be extended for the same time.





22. **Genuineness of Supplied Items.**
- a. All items should be brand new and of latest production range.
 - b. They should be supplied complete and ready for immediate use without the requirement of any extra item (both software and hardware). If any item is additionally needed (not covered in the quoted outfit), it is to be supplied free of cost.
23. **Training.** A group of BN personnel (02 operators and 02 maintainers) to be trained at BN installation site by the supplier's expert and supplier's cost on completion of installation of work. The duration of the training package will be 02 (two) days.
24. **After Sale Service.** Local agent has to be authorized by manufacturer/ principal/ dealer in the territory of Bangladesh to provide after sale service within warranty period and thereafter as and when required (at least 10 years).
25. **Spare Support Guarantee.** The manufacturer is to guarantee to supply spares for at least 10 years period, at a reasonable price.
26. **Brochure** .One copy of Technical Brochure (in English) for each offered SATCOM Terminal is to be submitted along with the bid offer.
27. **Condition for Acceptance of Quotation.** Quotation may not be accepted if detail information/ specification, brochure/ catalogue about SATCOM Terminal are not provided.
28. **Price Quotation.** Bidders shall quote Unit Price as well as Total Price against each standard and optional item separately in his Proforma Invoice in Local Currency. If any item is additionally needed (not covered in above list), should also be quoted. Price shall include all Govt tax and dues normally applicable.
- a. Complete Set of SATCOM Terminal and accessories (Quantity – 03 in No).
 - b. Registration/ Activation Charges by Satellites Service Provider (for 03 Terminal).
29. **Compliance Statement.** A clear and complete compliance statement of the Tender Specification supported by brochures/ booklet is to be submitted with the offer. Any deviation from this specification is also to be clearly mentioned in the offer. Incomplete compliance statement may attribute to cancellation of the offer.
30. **Validity of the Offer.** Up to 03 (three) month from the date of opening of the Tender.
31. **Port of Shipments.** To be mentioned.
32. **Delivery Schedule.** All items are to be supplied within 30 (thirty) days after issuance of Work/ Purchase Order by Naval Headquarters.
33. **Delivery Destination.** The supplier will arrange delivery of all items to the NSD Chattogram. All sea/ air port formalities, customs clearance, transportation etc to be completed/ arranged by supplier. BN may be asked for necessary certificates/ documents.




34. **Consignee.** Commanding Officer, Naval store Depot, Chattogram, New Mooring Chattogram/ Officer In-charge, Naval Stores Sub Depot Dhaka, Namapara Khilkhet, Dhaka 1229.

35. **Terms of Payment.** 100% payment will be made in local currency upon satisfactory test / trial and final acceptance of the equipment by CINS.

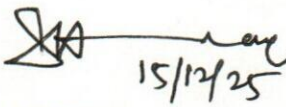

14.12.25
Member Secy
Project Officer
VSAT Network System
Directorate of Signals
Naval Headquarters

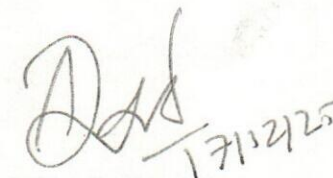

14.12.25
Member
Lt Commander BN
Staff Officer (NS-1)
Naval Headquarters
Banani, Dhaka-1213


Member
Lt Commander BN
Staff Officer (Electrical)
Directorate of Naval Weapons
and Electrical Engineering
NHQ, Banani, Dhaka-1213


14/12/25
Member
Lt Commander BN
Staff Officer (Repair)
Directorate of Naval Engineering
Naval Headquarters
Banani, Dhaka-1213


14/12
Member
Captain BN SIG
Director of Signals
Naval Headquarters


15/12/25
Member
Commander
Director of Naval Operations
Naval Headquarters
Banani, Dhaka-1213


17/12/25
President
Commodore BN
Director Naval Plans
Naval Headquarters
Banani, Dhaka-1213