

TENDER SPECIFICATION- MARINE WHIP ANTENNA SYSTEM FOR CODAN NGT SR/MR HF TRANSCEIVER 100-150W WITH ALL ASSOCIATED ACCESSORIES

1. **Name of Equipment** : Marine Whip Antenna system for Codan NGT SR/MR HF Transceiver 100-150W.
2. **Purpose** : Marine Whip Antenna to be used with Codan NGT SR/MR HF Transceiver 100-150W.
3. **Quantity** : 05 (Five) complete antenna systems with all associated accessories.
4. **Country of Origin** : Australia.
5. **Country of Manufacture** : Australia or to be mentioned.
6. **Original Equipment Manufacturer (OEM)** : Name & Full address contact information with e-mail of OEM is to be mentioned.
7. **Supplier** : Name & Full address contact information including e-mail of supplier must be mentioned.
8. **Type** : Marine HF Antenna for large Vessels.
9. **Brand** : To be mentioned in the offer. Must be compatible with Codan HF Tx/Rx 100-150Watt.
10. **Model** : To be mentioned.
11. **Year of Manufacture** : 2025 or later.
12. **Date of Introduction of the Offered Model in the Market** : To be mentioned.
13. **Environmental Standard** : a. Temperature : -20° to +55° C
b. Humidity : 95% non-condensing or better.
c. Storage Temperature : To be mentioned
14. **Life Expectancy of the Equipment** : To be mentioned.
15. **Qualification of Bidders.** Only the genuine manufacturers or their authorized dealer (principal) can submit quotation through their authorized agents enlisted at NSSD Dhaka. In case of dealer (principal), manufacturers certificate of authorization has to be submitted with the offer.
16. The offered Marine Whip Antenna system for Codan NGT SR/MR HF Transceiver 100-150W must have following features:

Ser	Name	Description
<u>General.</u>		
a.	Colour	To be mentioned.
b.	HF marine Band	2 to 30MHz
c.	Length	8.8 metrs (29 Ft)
d.	Pattern	Omni Directional
e.	Polarisation	Vertical
f.	Base Diameter	32mm
g.	Frequency Range	Returned to frequency or frequencies, or unloaded 2 to 30 MHz with suitable ATU
h.	Wind Loading	10.4 kgs at 100 Km/h or to be mentioned. 17.6 kg at 130 Km/h or to be mentioned.
j.	Power Capability	1 KW PEP for normal loaded or unloaded top sections, higher power to order



k.	Mountings	Two 100mm nylon clamp type insulators, 50mm diameter, threaded to take ½ inch whit worth bolt, insulator spacing not less than 1.4m
m.	Connection	Silicone insulated flexible tail 2.5m long 56/0.3 tinned copper; length should not exceed that provided for correct operation on the higher frequencies
n.	Construction	Heavy gauge grade aluminium alloy tubing, which provides a large low loss surface area for maximum radiating efficiency
p.	Fittings	Fittings are of nylon and stainless steel
q.	Packed Weight	To be mentioned.

17. **Scope of Supply.** The equipment for each Marine is to be supplied fulfilling the technical specifications and complete in all respect with all required standard accessories and attachment which are required to obtain 100% performance of the BN sets, whether it is mentioned in the specification or not. A list of offered standard accessories is to be attached with the quotation.

18. **Acceptance.**

a. The supplier's engineer will show BN personnel routine operation and maintenance procedure. The supplier will provide additional materials required for full functioning of the set if otherwise not mentioned in this contract at free of cost. If any equipment is found defective during initial test/trials, they are to be replaced immediately by new ones (including freight, insurance and all other cost). BN is to return the original defective equipment after receiving the replacements.

b. On satisfactory completion of test and trail, BN will issue final acceptance certificate.

19. **Standard Accessories.** Standard accessories and assemblies have to be included (all items and accessories) which are essential to operate the equipment whether those are mentioned in the specification or not. Without quoted the concerned bidder will be considered disqualified supplier. A list of such items/ accessories/ assemblies with itemized price is to be included in the quotation as follows:

Ser	Part Number/ Model	Description	Brand	Country of Origin	Country of Manufacturer	Qty (EA)	Unit Price (Tk)	Total Amount (Tk)	Rmks
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20. **Warranty Support.**

a. Warranty for 03 (three) years or manufacturer standard whichever is higher by the principal/ manufacturer for trouble free operation of Marine Whip Antenna-125W and its accessories wef the date of final acceptance by (CINS) BN. If any component of the supplied item becomes defective during the warranty period, the warranty (for defective component) shall be extended automatically for the period of the subject component remains defective. Moreover, in case of any defective item(s) or component if the whole set defective or non-operational then the whole warranty of the said set shall be extended automatically for the period of subject component remains defective.

b. For warranty repair/ replacement, the supplier will collect the defective item from NSD, Chittagong/ NSSD, Dhaka (as applicable) and re-supply the same to collecting place after warranty repair or for replacement within 90 (ninety) days from the date of defect at no cost to the purchaser.

21. **Extension of Warranty.** During the warranty period, if the item/ equipment remains non-operational for any action pending by the supplier, the warranty period will be extended for the same period. The warranty covers all parts and labour (including service engineer's cost) throughout the warranty period.



22. **After Sale Service.** After sale service is to be provided by the local agent within warranty period and thereafter as and when required (Assurance certificate to be submitted with the offer for at least 05 years). Extension of warranty will be considered as warranty period.
23. **Price Quotation.** Bidders shall quote unit price as well as total price against each item (or optional item) separately in his proforma Invoice in Taka. If any item is additionally needed should also be quoted. Price shall include all govt tax and dues normally applicable but Tax/VAT shown separately. However, should the offered equipment be not available in local market and ought to be imported from abroad, BN will arrange for exemption of Import Tax/VAT while releasing them from airport.
24. **Quality Assurance Certificate.** The Quality assurance certificate (QAC) in respect of the associated equipment in regard to its manufacturing and performance is to be provided by the manufacturer at the time of delivery.
25. **Port of Shipment.** Any port of country of origin/ manufacturer/ principal. It is to be mentioned in the offer.
26. **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.
27. **Delivery Schedule.** All items are to be supplied within 90 (Ninety) days after issuance of purchase order by BN.
28. **Validity of the Offer.** Offer should remain valid up to 30 June 2027.
29. **Consignee.** Commanding Officer, Naval Stores Depot, Chattogram, New Mooring Chattogram/ Officer In-Charge, Naval Stores Sub Depot Dhaka, Namapara, Khilkhet, Dhaka-1229.
30. **Terms of Payment.** 60% of total value will be paid on completion of shipment of the contracted goods. Remaining 40% payment will be made on production of "Acceptance Certificate" rendered by BN following successful test and trial upon delivery of items as per contract.
31. **Compliance Matrix.** Bidder will submit a Compliance Matrix with the offer stating that "COMPLIANT" or "NON COMPLIANT" against every Clause and Sub-Clause of this Specification. All "COMPLIANT" statements are to be explained adequately and should be supported by technical brochures/documentation. Insufficient documentation shall be considered as disqualification. (If required, a set of Technical /Operator Manual may be included with the offer).
32. **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:
- One certificate by the Original Equipment Manufacturer (OEM) in favour of the supplier/ local agent (in case of OEM as principal).
 - 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).
 - 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.
 - Quality Assurance Certificate (QAC) by the Original Equipment Manufacturer (OEM).



33. **Compliance Statement.** A compliance statement fulfilling all the requirement of the tender must be submitted for evaluation of the quotations. An incomplete compliance statement may attribute to cancellation of the offer. If any clause of this specification does not commensurate with offered item, the deviation has to be spelt out clearly.

MD NUR UL ANOWAR NAHID
Lt Commander BN
Staff Officer (Signals)
Naval Headquarters

A B M HASIB RAHMAN
Lt Commander BN
Staff Officer (NS-1)
Naval Headquarters
Banani, Dhaka-1213

SYED ASHRAF UZZAMAN
Commander BN
Staff Officer (Electrical)
Directorate of Naval Weapons
and Electrical Engineering
NHQ, Banani, Dhaka-1213

MD ABUSUFIAN
Lt Commander BN
Staff Officer (Repair)
Directorate of Naval Engineering
Naval Headquarters
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S M NAZMUL KARIM
Captain BN
Director of Signals
Naval Headquarters

MD SHAMSUL HAQUE
Commander BN
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