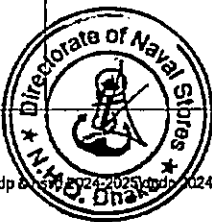


TENDER SPECIFICATION OF INFLATABLE BOAT WITH ENGINE

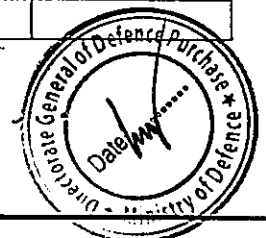
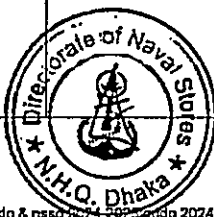
Ser	BN Specification			Supplier's Response/Offer
1.	Description	Inflatable Boat (IB) with Outboard Engine		
2.	Purpose	The boat will be carried on board Naval ships for carrying out following duties in coastal waters and open sea: a. Carrying out diving operations. b. Transferring personnel and stores at sea c. Relief operations d. Search and rescue duties e. Target, torpedo and mine recovery		
3.	Quantity	01 (One)		
4.	Brand	To be mentioned		
5.	Model	To be mentioned		
6.	Country of Origin	Korea/USA/Italy/UK/Australia/ EU Countries		
7.	Manufacturing Country	To be mentioned		
8.	Name and Address of Manufacturer	Address, telephone, facsimile number, e-mail address are to be mentioned.		
9.	Supplier/Local Agent	To be mentioned		
10.	Year of Manufacturing	2024 or later		
11.	Port of Shipment	To be mentioned		
12.	Source of Supply	To be mentioned		
13.	Sea Keeping Ability	Should be capable to operate in minimum sea state- 2 (Wave Height 2-3ft).		
14.	Qualification for Bidder	Only the genuine manufacturer/principal can submit quotation through authorized local agent enlisted in DGDP. In case of dealers authorization certificate from the manufacturer must be provided with the offer.		
15.	Ambient Condition	The item should be allweather compatible. The general ambient condition in the area of operation are as under: a. Air Temperature : 5° to 50°C. b. Sea Water Temperature : 5° to 50°C c. Humidity : Up to 95% d. Suspended solid/mud content in sea water : Up to 20000 PPM e. Salinity in Sea Water : Up to 34 gm/ltr		
16.	Scope of Supply	The Inflatable Boat (with engine) will be supplied as per the specifications mentioned in this document.		
Detailed Specification of the IB				
17.	Dimension	a.	Overall Length	4.0- 4.20 Mtr
		b.	Overall Width	1.75 - 2.20 Mtr
		c.	Inside Length	To be mentioned
		d.	Inside Width	To be mentioned
		e.	Buoyancy Tubes Diameter	To be mentioned
18.	Capacity	a.	Carrying Capacity	6 to 8 persons (including 02 crew)
		b.	Weight of boat with engine	To be mentioned
		c.	Total Weight (with crew and fuel tanks)	To be mentioned
		d.	Total Payload (fuel & water inclusive) expected	To be mentioned
		e.	Airtight Compartments	To be mentioned



Ser	BN Specification		Supplier's Response/Offer
19.	Construction	The IB should be designed and manufactured/constructed to fulfill the requirements and practices of an Internationally Reputed Classification Society (member of IACS).	
20.	Holisting/Lowering and Towing Arrangements	Should be suitable for towing facilities, holisting and lowering from ships deck by crane/davit with sling.	
21.	Colour	Black/Grey/Dark Grey	
22.	Transom height (Meter)	As suitable	
23.	Steering	Aft (Manual) by Engine	
24.	Preferred Propulsion Package	Single Outboard Motor	
25.	Full load displacement	To be mentioned	
26.	Propulsion	The Inflatable boat is to be powered by single petrol/diesel driven outboard engine which will meet the following requirements.	
	a.	Top Speed Requirements	Minimum 20 Knots
	b.	Endurance	Not less than 70 NM
27.	Specification of Petrol/Diesel Engine	(1) Brand	Yamaha/Evinrude
		(2) Country of Origin	Japan/ USA
		(3) Model	To be mentioned
		(4) Manufacturing Country	Japan/ USA
		(5) Power (KW/HP)	40 - 50 HP
		(6) RPM	To be mentioned
		(7) Starting method	Manual
		(8) Gear Shift	Fwd-Neutral-Rear (F-N-R)
		(9) Weight (kg)	To be mentioned
		(10) Displacement (cu in/cc)	To be mentioned
		(11) Number of Cylinder	To be mentioned
		(12) Gear ratio	To be mentioned
		(13) Cooling Method	Method to be mentioned
		(14) Ignition	Method to be mentioned
		(15) Trim method	Method to be mentioned
		(16) Exhaust system	As suitable
		(17) Fuel and Lubrication	Commercial and should be easily available in Bangladesh. Grade to be mentioned
		(18) Controls	Manual
		(19) Bore X stroke	To be mentioned
		(20) Full throttle operating range (RPM)	To be mentioned
		(21) Fuel Consumption Rate	To be mentioned
		(22) Standard Fuel Tank	Plastic tank 25 ltrs with feeder line
		(23) Additional fuel tank	02 in nos 24 ltrs container
28.	Hull Construction	a. Inflatable keel	
		b. Quick fit aluminium deck/floor/bottom boards with integrated tie down rails/bar of aluminium stringer for both sides. Number of fixed/removable floorboard is to be mentioned. Removable floorboards should be non-slip anodized aluminium and must offer adequate stability in rough weather.	
		c. Aluminium engine support plate	
		d. Self ballers	



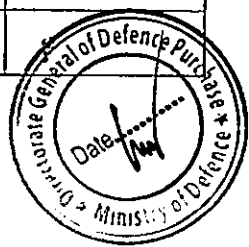
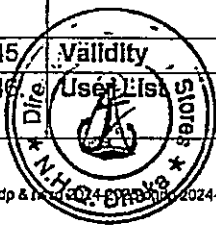
Ser	BN Specification		Supplier's Response/Offer
29.	Hull Shape	To be mentioned	
30.	Safety Requirement	Safety requirement (number of water tight compartment, Inflatable keel, lower tube, valves etc is to be mentioned. The offered boats shall be designed, built and equipped in conformity with ISO/IMO/SOLAS standard. Document/proof certificate is to be provided to this effect: a. No of air tight compartment : 03 to 05 in no b. Inflatable Keel : 01 c. Inflatable Valves : 02 for each Compartment.	
31.	Fabrics	Hypalone 1670 dtx CSM/ Neoprene. Must be tough and abrasion resistant with reinforced heavy duty fabric.	
32.	Floorboard	Number of fixed/removable floorboard is to be mentioned. Removable floorboards should be non-slip anodized aluminum and must offer adequate stability in rough weather.	
33.	Transom	Reinforced transom in varnished sandwich marine grade ash/ plywood (Grade to be mentioned).	
		a. Thickness	To be mentioned
		b. Number of Self Bailer	To be mentioned
		c. Reinforcement Requirement: (1) Internal - Aluminum Engine support plate. (2) External- Stainless steel (3) Flanks - Fabric tension absorber	
34.	Standard Accessories for Boat	a. A list of Standard accessories is to be provided for the boat. Item wise price list is to be provided with the offer for reference value only. b. Standard accessories must include all items and accessories, which are essential to operate the offered Boat with Engine to its maximum functions and capabilities. Any other item required, beyond the list provided below, for the functioning of the boat is to be included in the offer. c. The price of standard accessories will not be added separately and is to be included in offered Unit Price.	
		a. Lifelines	Standard
		b. Oars	2 (Two) pairs
		c. Towing Points (fwd)	1 In no
		d. Towing Sling	Standard
		e. Repair Kit	01 (One) set (with all maintenance items)
		f. Leak Stoppers	Standard
		g. Towing Bridle	Standard
		h. Seating Thwarts	Standard
		j. Foot bellows/manual pump with hoses	02 (Two) in nos
		k. Lifting sling with gear	01 (One) set
		l. Fitting Kit	Standard
		m. Boat carrying bag (when deflated)	01 (One) set
		n. Over all cover for preservation (Water Proof)	01 (One) set
p. Boat Anchor	01 (one) in no		
q. Ladder	01 (one) in no		




Ser	BN Specification		Supplier's Response/Offer																																				
35.	Mandatory Spares for Engine	<p>a. A list of mandatory spares is to be provided for the boat. Item wise price list is to be provided with the offer for reference value only.</p> <p>b. Mandatory spares must include all items and accessories, which are essential to operate the offered Boat with Engine to its maximum functions and capabilities. Any other item required, beyond the list provided below, for the functioning of the boat is to be included in the offer.</p> <p>c. The price of mandatory spares will not be added separately and is to be included in offered Unit Price.</p> <table border="1" data-bbox="560 607 1225 1077"> <tr> <td>a.</td> <td>Cylinder Liner/Sleeve</td> <td>01 set</td> </tr> <tr> <td>b.</td> <td>Piston</td> <td>01 set</td> </tr> <tr> <td>c.</td> <td>Piston Ring</td> <td>01 set</td> </tr> <tr> <td>d.</td> <td>Spark Plug</td> <td>04 in nos</td> </tr> <tr> <td>e.</td> <td>Propeller</td> <td>01 in no</td> </tr> <tr> <td>f.</td> <td>Propeller check nut</td> <td>01 in no</td> </tr> <tr> <td>g.</td> <td>Ignition Module</td> <td>01 set</td> </tr> <tr> <td>h.</td> <td>Electric high tension lead</td> <td>02 in nos</td> </tr> <tr> <td>j.</td> <td>Ignition Coil</td> <td>02 in nos</td> </tr> <tr> <td>k.</td> <td>Capacitor</td> <td>02 in nos</td> </tr> <tr> <td>l.</td> <td>Gear Case Lubricant</td> <td>As required</td> </tr> <tr> <td>m.</td> <td>Fuel Line/ Feeding Line</td> <td>01 in no</td> </tr> </table>	a.	Cylinder Liner/Sleeve	01 set	b.	Piston	01 set	c.	Piston Ring	01 set	d.	Spark Plug	04 in nos	e.	Propeller	01 in no	f.	Propeller check nut	01 in no	g.	Ignition Module	01 set	h.	Electric high tension lead	02 in nos	j.	Ignition Coil	02 in nos	k.	Capacitor	02 in nos	l.	Gear Case Lubricant	As required	m.	Fuel Line/ Feeding Line	01 in no	
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36.	Additional Spares	<p>a. Adequate spares for running up to five years operation for boat are to be quoted as option.</p> <p>b. The list of spares should be recommended by the manufacturers with price for each item considering serial no 34 (Standard accessories).</p> <p>c. The price of the additional spares will not be included in the main offer. The price of any or all additional items required by procurer will be added separately while contract.</p>																																					
37.	Information of Installation	Drawings/clear instructions are to be provided.																																					
38.	Labeling	All labeling/safety warnings on boat and accessories must be in English. Nameplates shall bear the model and serial number, name of manufacturer & country, year of manufacture, ratings and other relevant information as appropriate. Safety warnings and any other information critical to the operation and maintenance of the boat, is to be attached.																																					
39.	Documents	<p>a. Following documents are to be submitted with the offer in English:</p> <table border="1" data-bbox="560 1704 1225 2018"> <tr> <td>(1)</td> <td>Original Catalogue/Booklet/User manual of offered boat with technical specifications in English</td> </tr> <tr> <td>(2)</td> <td>List of standard accessories with item wise price (As mentioned in S.No. 34)</td> </tr> <tr> <td>(3)</td> <td>List of spare parts for smooth running of engine with item wise price (As mentioned in S.No. 35)</td> </tr> <tr> <td>(4)</td> <td>List of 5 (five) years spares for boat and 1000 hours operations for engine with item wise price (As mentioned in S.No. 36)</td> </tr> </table>	(1)	Original Catalogue/Booklet/User manual of offered boat with technical specifications in English	(2)	List of standard accessories with item wise price (As mentioned in S.No. 34)	(3)	List of spare parts for smooth running of engine with item wise price (As mentioned in S.No. 35)	(4)	List of 5 (five) years spares for boat and 1000 hours operations for engine with item wise price (As mentioned in S.No. 36)																													
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Ser	BN Specification	Supplier's Response/Offer
	<p>b. One set of following documents (In English) are to be provided free of cost for the boat:</p> <p>(1) Boats hull assembly drawing (GA)</p> <p>(2) Maintenance manual of boat (Hull and fittings)</p> <p>(3) Spare parts catalogue of boat.</p> <p>(4) Operation and maintenance manual of engines</p>	
40.	<p>Authorization Certificate</p> <p>Following certificates should also be provided (in English):</p> <p>a. Local agent must have authorization from his principal. In this regard Authorization Certificate is to be provided with the offer.</p> <p>b. Principal agent must have authorization from his manufacturer. In this regard Authorization Certificate is to be provided with the offer.</p>	
41.	<p>Certificates</p> <p>Following certificate/proof documents are to be provided:</p> <p>a. International recognized standard certificate for the boat and should fulfill IMO/ISO/ SOLAS standard (with offer)</p> <p>b. Factory test certificate for the engine (while delivery of the item)</p> <p>c. Manufacturer's Certificate on list of spares that the spares are recommended by the manufacturers' and sufficient for 5 years running of boat (while delivery of the items)</p> <p>d. All items will be brand new and also be supplied from the current production (with offer)</p> <p>e. Authenticity certificate by the manufacturer in case of principal (with Offer)</p> <p>f. Warranty Certificate (with offer)</p> <p>g. Guarantee Certificate (with offer)</p>	
42.	<p>Warranty</p> <p>Warranty for trouble free operation is to be given by the principal/manufacturer for all the supplied items for a period of 12 months from the date of acceptance by the buyer. During the warranty period, if the supplied boat or engine remains non-operational for any action pending by the supplier, the warranty period will be extended for the same period. The warranty will cover all parts and labour including service engineer's cost at user premises or any places designated by buyer.</p>	
43.	<p>Guarantee</p> <p>a. The manufacturer will mention the number of years of guarantee for which the offered model of boat with engine will remain in production.</p> <p>b. Guarantee by manufacturer to supply spares for at least 10 years with reasonable price. Yearly increase of price of spares should not be more than 5%. A certificate in this connection is required with the offer.</p>	
44.	<p>Shipment</p> <p>a. The supplier will arrange shipment of all items together by sea to Chattogram port, Bangladesh. All port handling charges are to be paid by supplier.</p> <p>b. All items are to be delivered in sea-worthy packing to ensure safe transit by sea.</p> <p>c. All packages are to have packing notes showing their contents in details and all packages shall be marked with the name and address of the consignee and gross weight.</p>	
45.	<p>Validity</p> <p>30 June 2025.</p>	
46.	<p>User List</p> <p>A list of user Navy/Coast Guard along-with supporting documents is to be submitted, if there is any.</p>	



Ser	BN Specification		Supplier's Response/Offer				
47.	Delivery	The item is to be delivered within 09 months of signing the contract to the following consignee: THE COMMANDING OFFICER NAVAL STORES DEPOT, CHATTOGRAM NEW MOORING, CHATTOGRAM BANGLADESH					
48.	Inspection, Test and Trial	Inspection test and trial will be carried out by CINS Chattogram and user in presence of supplier's representative. After satisfactory test and trial an acceptance certificate will be signed between the supplier and the buyer.					
49.	Terms of Payment	80% of total CFR value will be paid on completion of shipment of the contracted goods. Remaining 20% will be made on production of "Acceptance Certificate" rendered by BN following successful test and trial upon delivery of all items as per contract.					
50.	LD (Liquidated Damage)	LD for late delivery will apply as per DGDP rules.					
51.	Compliance Statement	A clear and complete Compliance Statement of the tender specification for each Para and Sub-Para supported by original catalogue 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. All documents, certificates, catalog as well as correspondences in respect to this tender are to be provided/ accomplished in English.					
52.	Price Quotation	Price is to be quoted excluding all import duties in foreign currency as those will be consigned against BN:					
			Name of Item	Deno	Qty	Unit Price	Total Price
			Inflatable Boat (IB) with Outboard Engine	No	01		


M NAIMUL HOQUE
 Commander BN
 Deputy Director of Naval Stores
 Naval Headquarters
 Banani, Dhaka-1213

