

TENDER SPECIFICATION OF RIGID HULL INFLATABLE BOAT (RHIB) WITH TWIN ENGINE

Ser	BN Specification			Supplier's Response/Offer
1.	Description	Rigid Hull Inflatable Boat (RHIB) With Twin Engines		
2.	Purpose	The RHIB is to be designed to use in coastal waters and open sea at all times of the year to perform following duties: a. SAR duties b. Fast transportation, (ship to ship and ship to shore) c. Boarding Operation d. Limited Logistic support e. Constabulary duties like anti-smuggling, anti-piracy and fishery protection		
3.	Quantity	03 (Three)		
4.	Brand	To be mentioned		
5.	Model	To be mentioned		
6.	Country of Origin	Korea/USA/Italy/UK/Australia/ Netherland/UAE/ 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.	Name of Principal and Address	To be mentioned		
10.	Year of Manufacturing	2026 or later		
11.	Port of Shipment	To be mentioned		
12.	Source of Supply	To be mentioned		
13.	Qualification for Bidder	Only the genuine manufacturer/principal can submit quotation through authorized local agent enlisted in DGDP. In case of dealer, authorization certificate from the manufacturer must be provided with the offer.		
14.	Ambient Condition	The item should be all weather 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 40°C c. Humidity : Up to 95%		
Detailed Specification of the RHIB/RIB				
15.	Dimension	a.	Overall Length	6.50 Mtr
		b.	Overall Width	2.5-2.8 Mtr
		c.	Inside Length	To be mentioned
		d.	Inside Width	To be mentioned
		e.	Buoyancy Tubes Diameter	To be mentioned
16.	Capacity	a.	Carrying Capacity	10 to 12 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
17.	Construction	a.	The RHIB should be made of GRP/FRP and be designed & manufactured/constructed to fulfill the requirements and practices of an internationally reputed classification society (member of IACS).	
		b.	Helmsman's console is to be provided with following: (1) Seats for 06 persons including 02 crew (2) Seering position and master switch	



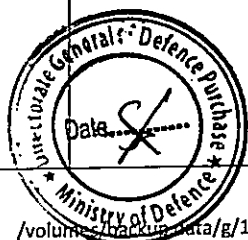
Ser	BN Specification			Supplier's Response/ Offer
		c.	The buoyancy tube collar should have sufficient number of separate compartments, sub-divided by conical diaphragms with each compartment inflated through its own valve. A rubbing strip is to be fitted as a doubler to run the length of the tube to resist wear and the forward end is also to be fitted with a doubler in wake of towing arrangements and stem.	
18.	Hoisting/Lowering and Towing Arrangements	Should be suitable for hoisting/lowering and towing from ships deck by crane/davit. Details of hoisting/lowering devices are to be mentioned.		
19.	Colour	Black/Grey/Dark Grey		
20.	Type of Propellers & Propellers Shaft (material suggestion no of blade for Propellers etc)	a. Stainless steel propeller b. No of blade (to be mentioned) c. Fixed pitch propeller		
21.	Sea Keeping Ability	Should be capable to operate in minimum sea state 3 (Wave Height 3-4 ft)		
22.	Preferred Propulsion Package	Twin Outboard Motor		
23.	Preferred Type Installation (Single, twin, triple & quid)	Twin		
24.	Transom Height (Meter)	To be mentioned		
25.	Steering Console	Centre/ Aft		
26.	Fabrics Materials	To be mentioned		
27.	Full Load Displacement	To be mentioned		
28.	Propulsion	The RHIB is to be powered by twin petrol/diesel driven outboard engine which will meet the following requirements.		
		a.	Top Speed Requirements	Not less than 30 Knots
		b.	Endurance	Not less than 100 NM
29.	Specification of Petrol/Diesel Engine	a.	(1) Brand	To be mentioned
			(2) Country of Origin	To be mentioned
			(3) Model	To be mentioned
			(4) Manufacturing Country	To be mentioned
			(5) Power (KW/HP)	80-90 HP (Each Engine)
			(6) RPM	To be mentioned
			(7) Starting method	Electric
			(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 syste	As suitable
			(17) Fuel and Lubrication	Commercial and should be easily available in Bangladesh. Grade to be mentioned
			(18) Controls	From central control console
			(19) Steering Wheel	A steering wheel is to be fitted to the central control console (forward/ aft) with a



				single level gear/throttle control.	
		(20)	Bore X stroke	To be mentioned	
		(21)	Full throttle operating range (RPM)	To be mentioned	
		(22)	Fuel Consumption Rate	To be mentioned	
		(23)	Standard Fuel Tank	Built in fuel tank system is preferable	
		b.	The engines are to be perfectly suitable for fitting in the boats and should attain required speed (at least 30 knots at full payload condition). It should be checked/tested at suppliers/manufacture's premises before shipment and certificate to be provided by the manufacturer in this regard.		
30.	Safety Arrangements	The engines should have following safety arrangements:			
		a.	Emergency stop switch		
		b.	Over-load & over-heat protection		
		c.	Start in gear prevention		
		d.	Warning horn/alarm		
31.	Additional Fuel Tanks	02 (Two) portable fuel tanks of approx 24-30 ltr capacity each to be provided for the boat with all safety arrangements to connect up with the engine (with feeding line). This will be in addition to the standard fuel tank with the boat.			
32.	Electric Power	Electric power supply required for engines starting, GPS and navigation lights are to be supplied from battery. Batteries of appropriate rating are to be supplied. Details to be mentioned.			
33.	Electric Installation	a.	The battery is to be charged from the engines alternator via a rectifier and from an external source via a socket. A battery isolating switch is also to be fitted.		
		b.	The whole of the wiring is to be supplied as a harness connected by plugs and sockets to the console and the engine.		
		c.	At the drivers console below the steering wheel, a small switch panel containing voltmeters and switches for engines start, kill stop, choke and navigation light sockets are to be fitted.		
		d.	A fuse box for the protection of engines starting, navigation lights, choke and voltmeters is to be fitted.		
		e.	Masthead, sidelights and the stern light are to be fitted on the must as per international standard.		
34.	Standard Accessories	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.			
		(1)	Oars (02 pairs)		
		(2)	Manual Inflation Pump		
		(3)	Float Tube Repair /Patch kit		
		(4)	Boat Hook		
		(5)	Electric start unit		
		(6)	Boat hoisting/ lowering sling		



Ser	BN Specification			Supplier's Response/Offer
		(7)	Boat Cover (Water Proof)	
		(8)	1 x Handheld portable search light	
		(9)	Davit lifting points	
		(10)	IMO approved navigation light suitable for the boats	
		(11)	Mast	
		(12)	Draining Ports	
		(13)	Towing points	
		(14)	Adhesive Glue	
		(15)	Grab Handle	
		(16)	Manufacturer's standard repair Kit/tools for boat. List of items for repair kit to be mentioned	
		(17)	Handheld Marine Type Compass	
		(18)	1 X Sea anchor suitable to hold the offered boat with 20m rope	
		(19)	2 X Lifelines of marine standard	
		(20)	12 (as per passengers capacity) X Life Jackets for boat crew and passenger	
		(21)	2 X CO ₂ Type Portable Fire Extinguisher (Cap. 2.5 Kg)	
		(22)	Towing Bridle Patches	
		(23)	Battery with battery box	
35.	Mandatory Spares for Engine	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. 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. c. The price of mandatory spares will not be added separately and is to be included in offered Unit Price.		
		(1)	Cylinder Liner/Sleeve	02 sets
		(2)	Piston	02 sets
		(3)	Piston Ring	02 sets
		(4)	Spark Plug	08 in nos
		(5)	Propeller	02 in nos
		(6)	Propeller check nut	02 in nos
		(7)	Ignition Module	02 sets
		(8)	Electric high tension lead	04 in nos
		(9)	Ignition Coil	04 in nos
		(10)	Capacitor	04 in nos
		(11)	Gear Case Lubricant	As required
		(12)	Fuel Line/ Feeding Line	02 in no
36.	Additional Spares	a. Adequate spares for running up to five years operation for boat and 1000 hours operations for engines are to be quoted as option. b. The list of spares should be recommended by the manufacturers with price for each item considering serial no 34 (Standard accessories). 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.		



Ser	BN Specification		Supplier's Response/Offer
37.	Warranty	Supplier should provide a warranty certificate for a period of at least one year from the date of satisfactory test and trial and acceptance by BN. If the boat or engines remain non-operational for any certain period, the warranty time will be increased accordingly. Non-operational period will be the period between date of defect and date of rectification of defects by the supplier. The warranty will cover all parts and labour including service engineer's cost at user premises or any places designated by buyer.	
38.	Guarantee	a. The manufacturer will mention the number of years of guarantee for which the offered model of boat with engine will remain in production.	
		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.	
39.	Documents	a. Following documents are to be submitted with the offer in English:	
		(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 engines with item wise price (As mentioned in S.No. 35).	
		(4) List of 5 (five) years spares for boat and 1000 hours operations for engines with item wise price. (As mentioned in S.No. 36).	
		b. One set of following documents (in English) are to be provided free of cost for the boat:	
		(1) Installation manual	
		(2) Boats hull assembly drawing (GA)	
		(3) Maintenance manual of boat (Hull and fittings)	
		(4) Spare parts catalogue of boat	
40.	Certificate	Following certificates should also be provided (in English):	
		a. International recognized standard certificate for the boat and should fulfill IMO/ISO/ SOLAS standard (with offer)	
		b. Factory test certificate for the engines (while delivery of the item)	
		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)	
		d. All items will be brand new and also be supplied from the current production (with offer).	
		e. Authenticity certificate by the manufacturer in case of principal (with offer)	
		f. Warranty Certificate (with offer)	
		g. Guarantee Certificate (with offer)	



Ser	BN Specification					Supplier's Response/Offer	
41.	Validity	30 June 2027					
42.	User List	A list of user Navy/Coast Guard along-with supporting documents is to be submitted, if there is any.					
43.	Delivery	The item is to be delivered within 08 months of signing the contract to the following consignee: THE COMMANDING OFFICER NAVAL STORES DEPOT, CHATTOGRAM NEW MOORING, CHATTOGRAM BANGLADESH					
44.	Shipment	a.	The supplier will arrange shipment of all items together by sea to Chattogram. All port handling charges involved to be paid by the supplier.				
		b.	All items are to be delivered in sea-worthy packing to ensure safe transit by sea.				
		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.				
45.	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.					
46.	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.					
47.	LD (Liquidated Damage)	LD for late delivery will apply as per DGDP rules.					
48.	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, catalogues as well as correspondences in respect to this tender are to be provided/ accomplished in English.					
49.	Price Quotation	Price is to be quoted without import duty in foreign currency.					
	Name of Item		Deno	Qty	Unit Price	Total Price	
	Rigid Hull Inflatable Boat (RHIB) With Twin Engines		No	03			

