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Chaitra 1430

20
09 April 2024

06.06.0000. 221.Eval-3.24

RE-EVALUATION OF PROCUREMENT OF VESSEL TYPE D (SEA WORTHY)

Reference:

A. Army Headquarters, Engineer in Chief's Branch, Engineer Directorate letter number 23.01.901.055.02.192.02.31.03.24 dated 31 March 2024 (Not to all).

1. It is to inform you that Bangladesh Army is planning to procure **Vessel Type D (Sea Worthy)**. Therefore, interested firms are requested to provide necessary offers, brochures, catalogues, technical/training/operational/maintenance manuals and budgetary offers etcetera (each in duplicate) for the standardization of model of **Vessel Type D (Sea Worthy)**. The information's/documents have to be sent directly Army Headquarters, Engineer in Chief's Branch (Engineer Directorate), E-mail: engrkte.gso2proj@army.mil.bd by **14 April 2024** with an intimation to this Directorate General please. Offered models should be compatible with specification attached as Annex A of this letter. Lack of any information will disqualify the offer.

2. **For Board of Officer, C/O: Army Headquarters, Engineer in Chief's Branch (Engineer Directorate) Only:** Price can be disclosed during the tender process only.

3. Your co-operation will be highly appreciated.


RAIHAN RAHMAN
Major
For Director General

Enclosure:

1. Technical Specification of Vessel Type D (Sea Worthy)- 03 (Three) Pages only.

Distribution:

External:

Action:

(All Concerned Firm/Supplier)

Information:

Army Headquarters, General Staff Branch, Weapon Equipment and Statistics Directorate

Army Headquarters, General Staff Branch, Overseas Operation Directorate

Army Headquarters, Engineer in Chief's Branch, Engineer Directorate

Army Headquarters, Master General of the Ordnance Branch, Ordnance Directorate

Army Headquarter, Master General of the Ordnance Branch, Electrical and Mechanical Engineering Directorate

Army Headquarters, Master General of the Ordnance Branch, Inspection and Technical Development Directorate

Inspectorate of Vehicle & Engineering Equipment, Dhaka Cantonment

Internal:

Action:

IT Section - **(For flashing on DGDP web site).**

Notice Board

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ANNEX A TO
 ARMY HEADQUARTERS, ENGINEER IN CHIEF'S BRANCH
 ENGINEER DIRECTORATE LETTER NUMBER
 23.01.901.055.02.192.02.31.03.24
 DATED: 3rd MARCH 2024

TECHNICAL SPECIFICATION OF VESSEL TYPE D (SEA WORTHY)

Approved by GSPC Meeting- 4/2013 and 9/2013

Ser	Description	Required Technical Specification	Remarks
1.	Name of the Equipment	Vessel Type D (Sea Worthy)	
2.	Name and Complete address of Local Agent	To be mentioned	
3.	Name and Complete address of Manufacturer	To be mentioned	
4.	Make and Model	To be mentioned	
5.	Country of origin	Group A, B & C Countries	
6.	Country of assembly		
7.	Country of manufacturer		
8.	Year of production	Not before the year of contract	
9.	Port of shipment	To be mentioned	
10.	Material	Marine Grade Aluminum Alloy	
11.	Overall Dimension		
	a. Length	9m - 12 m	
	b. Width	2.5m-3.5m	
	c. Draught (loaded)	0.70m - 0.90m	
	d. Total weight of the boat (Dead weight)	To be mentioned	
12.	Details General Arrangement (GA) Drawing	To be approved Bangladesh Army	
13.	Seating facilities for passengers (Shock Absorber Seat)	To be provided	
14.	Carrying capacity	Minimum 12-15 persons and 100 kg (including small arms)	
15.	Anti slip surface	Details of Anti slip surface to be mentioned	
16.	Speed of Vessel	Minimum 30 Knots with full load condition	
17.	Turning Circle	At 25 knots, 12-15 m approx.	
18.	Engine mounting	Inboard/ Outboard	
19.	Mooring hook	Galvanized steel	
20.	Starting	Electrical	
21.	Steering	Electro Hydraulic	
23.	Fender	Inbuilt/Rubrail fender	
23.	Self Defense facilities	1 x LMG post to be provided (Location to be shown in the catalogue/diagram and Vessel should be in equilibrium during any stage of fire and move conditions)	
24.	Loading/unloading	Details of Loading/ Unloading facilities provided with the boat to be mentioned	
25.	Type of fuel	Diesel/ petrol	
26.	Fuel injection system	To be mentioned	
27.	Fuel tank capacity	To be mentioned	
28.	Fresh Water Tank Capacity	Minimum 70 liters	
29.	Fuel consumption	To be mentioned	
30.	Full endurance/Cruising Range in Nautical Miles	Minimum 100 Nautical Miles	

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Ser	Description	Required Technical Specification	Remarks
31.	Engine		
	a. Engine type and model	To be mentioned	
	b. Country of origin	Group A, B & C Country	
	c. Country of manufacturer		
	d. Horse power (rpm to be mentioned)	340-400 Horse Power @ rpm to be mentioned	
	e. Cylinder	Minimum 4 Cylinder	
	f. Number of Engine	To be mentioned	
	g. Year of production	Not before the year of contract	
	h. Bore and Stroke	To be mentioned	
	j. Engine starting	Self-Started (Electrical)	
	k. Cooling System	Sea Water Cooled	
	l. No of carburetor/Fuel injection system	To be mentioned	
	m. Compression ratio	To be mentioned	
	n. Details of propeller (Material and Size) and shaft length	Details to be mentioned	
	p. Displacement	To be mentioned	
	q. Engine test bench certificate	To be provided during inspection	
32.	Propulsion	The boat is to be fitted with inboard/outboard marine diesel engine with matching gearbox and propulsion by water jet/propeller	
33.	Electric System		
	a. Volt	Minimum 12 Volt	
	b. Batteries (Volt & Ah)	Volt and Ah to be mentioned	
	c. Alternator (Volt & Amp)	Volt and Amp to be mentioned	
	d. Starter (Volt & kw)	Volt and Kw to be mentioned	
34.	Switches	To be mentioned	
35.	Details list of tools and accessories for full range operation	Detail list to be provided	
36.	Standard of electric cable	Details of standard electric cable to be provided	
37.	Superstructure with hard top	To be provided	
38.	Colour	As per tender requirement	
39.	Navigational Aids (Make, model & country of origin)	1x Magnetic Compass (additional gyro compass preferable), 1x set of navigational lights (including emergency provision with alternative power supply system from battery), 1x Electrical Police Siren with pulsating light and voice hailer, 1x Search Light, 1x Echo Sounder, 1x GPS, 1x RADAR & 1x Automatic Identification System (AIS)	
40.	Life Saving Equipment	Minimum 15x Life Jackets, 2x Life Buoys. Details specifications are to be provided with the quotation.	
41.	Sea State Sustainability	Operate at sea state 3 and sustain up to sea state 4	
42.	Operational Temperature	-5°C to +55°C	
43.	Maintenance	Details to be mentioned	
44.	Certification	a. ISO Cert or similar rating cert to be provided by the mfc. b. Boat should be auth by the respective govt transportation auth of the country of Origin. c. Boat builder experience of building boat for Military/proven design Vessel used by Military.	
45.	Any other (if required)	To be mentioned	

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Ser	Description	Required Technical Specification	Remarks
46.	Training Requirement		
	a. User training (For Engineers)	To be provided as per requirement of Engineer Directorate	
	b. Operation, repair and maintenance training (For Electrical and Mechanical Engineers)	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
	c. Equipment Management Training (For Ordnance)	To be provided as per requirement of Ordnance Directorate	
47.	Repair and maintenance requirement list of spares; Book & Publications a. Owners/operators manual in English (book type) including CD/DVD b. Workshop/repair manual in English (book type) including CD/DVD c. 100% updated master spare parts catalogue in English (book type) including CD/DVD d. Complete and updated master spare parts price catalogue/list in English (book type) including CD/DVD	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
48.	List of spare parts	Separate list to be provided as per requirement of Electrical and Mechanical Engineers Directorate	
49.	Tools list for different level of maintenance: a. Analyzer, measuring & testing/fault finding and diagnostic set b. Special Service Tools (SST) c. Special Service Materials (SSM)	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
50.	Certificate on Spare Parts available in Bangladesh	Certificate to be submitted from manufacturer	
51.	List and certificate on usage of the equipment by other organizations or agencies in Bangladesh	List and certificate to be submitted from manufacturer	
52.	List and certificate of local after-sales-service workshop in Bangladesh who can provide spares of the equipment readily	To be confirmed by the manufacturer as the technical requirement	
53.	Detailed address of after-sale-service workshop in Bangladesh	Details address to be mentioned	
54.	Location of Stage Inspection/Pre-shipment Inspection	Stage inspection/Pre-shipment Inspection with address of respect of major components (manufacturing plant/assembly plant or in both)	
	Note: Following information/documents to be submitted along with the offer:		
	a. Details of working principle		
	b. Certificate to be provided by a full member of IACS under the class notation.		
	c. Functional/Users training in country to be provided by foreign/Local expert		
	d. Provision of supply of major spares for min 10 years		
	e. Provision of supply fast and slow moving spares for min 10 years		
	f. Model validity in years (minimum 10 years)		
	g. Any other relevant technical information may also be enclosed		