

FOR OFFICIAL USE ONLY

Directorate General Defence Purchase
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05 Srabon 1430

06.06.0000. 221.Eval-3.23

20 July 2023

RE-EVALUATION OF VESSEL TYPE D (RIVER WORTHY)

Reference:

A. Army Headquarters, Engineer in Chief's Branch, Engineer Directorate letter number 23.01.901.055.02.192.02.19.07.23 dated 19 July 2023 (Not to all).

1. It is to inform you that Bangladesh Army has taken a step for Re-evaluation of **Vessel Type D (River Worthy)**. Therefore, interested firms are requested to provide necessary offers, brochures, catalogues, technical/training/operational/maintenance manuals and budgetary offers etcetera (each in duplicate) of model of **Vessel Type D (River Worthy)**. The information's/documents have to be sent directly **Army Headquarters, Engineer in Chief's Branch (Engineer Directorate), E-mail: engrdte.gso2proj@army.mil.bd by 30 July 2023** 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. Please note that, provide enlistment certificate of DGDP along with the technical 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.



MD SHAHARIARE KHAN
Lieutenant Colonel
For Director General

Enclosure:

1. Technical Specification of Vessel Type D (River 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 Ordnance Branch (Ordnance Directorate)
Army Headquarter, Master General of Ordnance Branch, Electrical and Mechanical Engineering Directorate
Army Headquarters, Master General of Ordnance Branch, Inspection and Technical Development Directorate
Inspectorate of Vehicle & Engineering Equipment (IV&EE), Dhaka Cantonment

Internal:

Action:

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

Notice Board

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Army Headquarters
Engineer in Chief's Branch
Engineer Directorate
Dhaka Cantonment

Telephone: 8711111 Extension: 2854
engrdte.gso2proj@army.mil.bd

004 Srabon 1430

19 July 2021

23.01.901.055.02.192.02.19.07.23

RE-EVALUATION OF VESSEL TYPE D (RIVER WORTHY)

Reference:

A. Army Headquarters, General Staff Branch, Weapon, Equipment and Statistics Directorate letter Number 23.01.901.028.03.192(Std).01.11.09.12 dated 12 September 2012.

1. A re-evaluation committee has been convened vide reference A to study and recommend suitable models of **Vessel Type D (River Worthy)** for adoption in Bangladesh Army.

2. Technical specification has been approved by General Staff Policy Committee Meeting- 6/2014. Therefore, you are requested to instruct different firms to send us necessary offers, brochures, catalogues, technical/training/operational/maintenance manuals and budgetary offers etcetera (each in duplicate) for the standardization of models of **Vessel Type D (River Worthy)**. Offered models should be compatible with specification attached as Annex A to this letter. Lack of any information will disqualify the offer.

3. You are requested to instruct different firms to send above information's/documents to this directorate by **30 July 2023**.



NUR-A-JANNATUL KHAIR TANY
Lieutenant Colonel
For President Re-evaluation Committee

Annex:

A. Technical Specification of **Vessel Type D (River Worthy)** - 03 Copies.

Distribution:

External:

Action:

Director General of Defence Purchase (DGDP) ✓

Internal:

Information:

Army Headquarters, Engineer in Chief's Branch (Coord)

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

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Ser	Description	Required Technical Specification	Remarks
(14)	Brake System		
	(a) Service Brake	Pneumatic Type	
	(b) Parking Brake	Details to be mentioned	
(15)	Traffic Lights	Details to be mentioned (Indicator, Side, Tails, Stop, Marker etc)	
(16)	Lunette Eye Specification	Towing vehicle is Existing 3 Ton used in Bangladesh Army	
	(a) Outer Dia	To be mentioned	
	(b) Inner Dia	To be mentioned	
	(c) Thickness/Ring Dia	To be mentioned	
	(d) Height from ground	To be mentioned	
(17)	Loading and unloading system	To be mentioned	
(18)	Lashing facilities of vessel	To be provided	
(19)	Inter Vehicle Connection		
	(a) Two Line Air Coupling NATO Standard or equivalent	To be provided	
	(b) 12 Pin Plug NATO type or equivalent for electric connection	To be provided	
44	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	
45.	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	
46.	List of spare parts	Separate list to be provided as per requirement of Electrical and Mechanical Engineers Directorate	
47.	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	
48.	Certificate on Spare Parts available in Bangladesh	Certificate to be submitted from manufacturer	
49.	List and certificate on usage of the equipment by other organizations or agencies in Bangladesh	List and certificate to be submitted from manufacturer	
50.	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	
51.	Detailed address of after-sale-service workshop in Bangladesh	Details address to be mentioned	
52.	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. Functional/Users training in country to be provided by foreign/Local expert		
	c. Provision of supply of major spares for minimum 15 years		
	d. Provision of supply fast and slow moving spares for minimum 15 years		
	e. Model validity in years (minimum 10 years)		
	f. List of spares, Special Service Tools (SST)/Special Service Material (SSM)		
	g. Warranty minimum 12 months for the date of delivery as per schedule		
	h. Any other relevant technical information may also be enclosed		

TECHNICAL SPECIFICATION OF VESSEL TYPE D (RIVER WORTHY)
 Approved by GSPC Meeting-6/2014 & Amended of Technical Specification- 9/2015, 7/2018 & 1/2019

Ser	Description	Required Technical Specification	Remarks
1.	Name of the Equipment	Vessel Type D (River Worthy)	
2.	Name and Complete Address of Local Agent	To be mentioned	
3.	Name and Complete Address of Manufacturer	To be mentioned	
4.	Name and Complete Address of Principal	To be mentioned	
5.	Make and Model	To be mentioned	
6.	Country of Origin	Group A Country	
7.	Country of Assembly		
8.	Country of Manufacturer		
9.	Year of Production	Not before the year of contract	
10.	Port of Shipment	To be mentioned	
11.	Material		
	a. Material	Rigid Hull (Fiber Glass) Solid Rubber Boat	
	b. Country of Origin	Group A Country	
	c. Country of Manufacturer		
12.	Overall Dimension		
	a. Length	9m-12 m	
	b. Width	3 m – 3.5 m	
	c. Depth	To be mentioned	
	d. Draught (loaded)	0.70 m – 0.90 m	
	e. Total weight of the boat (Dead wt)	To be mentioned	
13.	Details design and drawing of Vessel	To be approved from Bangladesh Army	
14.	Accommodation or Seating facilities for passengers & driver	To be provided and driver seat should be vertically adjustable	
15.	Carrying capacity	12-15 persons and 100 kg (including small arms)	
16.	Anti slip surface	Details of Anti slip surface to be mentioned	
17.	Speed of Vessel	Minimum 30 nautical miles/ hour with full load condition	
18.	Turning Circle	To be mentioned	
19.	Engine mounting	Outboard	
20.	Mooring hook	Galvanized steel	
21.	Starting	Electrical	
22.	Steering	Fixed Wheel Type Hydraulic Steering	
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.	Boat Lifting arrangement	Details of Boat Lifting arrangement to be mentioned	
25.	Type of fuel	Octane/Diesel	
26.	Fuel injection system	Electronic Fuel Injection	
27.	Fuel tank capacity	Minimum 450 liters both engine	
28.	Fuel consumption	To be mentioned	
29.	Full endurance/ Cruising Range	Minimum 100 Nautical Miles	
30.	02x Outboard Engine		
	a. Engine type, make and model	4 Stroke. Make and Model to be mentioned	
	b. Country of Origin	Group A Country	
	c. Country of Manufacturer		
	d. Country of Assy		
	e. Year of production	Not before the year of contract	
	f. Displacement (in cc)	To be mentioned	
	g. Horse power (rpm to be mentioned)	350-400 Horse Power @ Rpm to be mentioned	
	h. Number of Cylinder	Minimum 4 Cylinder	
	j. Bore and Stroke	Bore and Stroke to be mentioned	
	k. Engine controls	Electronic	
	l. Engine starting	Self-Started (Electrical)	
	m. Cooling System	Water Cooled	

Ser	Description	Required Technical Specification	Remarks
	n. Compression ratio	To be mentioned	
	p. Number of Engine	02 Engine	
	p. Number of carburetor/Fuel injection system	Multipoint sequential fuel injection system	
	q. Details of propeller (Material and Size) and shaft length	Details to be mentioned	
	r. Engine test bench certificate	During inspection Engine Test Bench Report (for each model) which was prepared by manufacturer during production of engine at manufacturing factory must be produced and submitted to the PSI team for each model. Other engines (mentioning engine number) of the same model must be certified confirming the engine Test Bench Report by the manufacturer (duly signed and stamped)	
31.	Electric System		
	a. Volt	Minimum 12 Volt	
	b. Batteries (Volt & Ah)	12 Volt and Ah to be mentioned	
	c. Alternator (Volt & Amp)	12 Volt and Amp to be mentioned	
	d. Starter (Volt & kw)	12 Volt and Kw to be mentioned	
32.	Switches	To be mentioned	
33.	Standard of electric cable	Details of standard electric cable to be provided	
34.	Lighting	Search Light (Minimum one at front and one at rear) to be provided	
35.	Medical Facilities	It should have 01x In built first aid box	
36.	Details list of tools and accessories for full range operation	Detail list to be provided	
37.	Colour	As per tender requirement	
38.	Navigational Aids (Make, model & country of origin)	1x Magnetic Compass, 1x Echo Sounder & 1x GPS to be provided and should be fixed with the boat	
39.	Life Saving Equipment	Minimum 15x Life Jackets, 2x Life Buoys. Details specifications are to be provided with the quotation	
40.	Operational Temperature	-5°C to +55°C	
41.	Maintenance	Details to be mentioned	
42.	ISO Certificate or Similar Rating	a. ISO certificate to be provided by the manufacturer. b. Boat builder experience of building boat for military/proven design Vessel used by Military	
43.	Optional Item	Price to be quoted separately	
	a. Trailer for Transportation of the Boat	Trailer should be house/ accommodate the boat securely	
	(1) Make & Model	To be mentioned	
	(2) Towing Vehicle	Existing Truck 3 Ton used in Bangladesh Army	
	(3) Country of Origin	Group A Country	
	(4) Country of Manufacturer		
	(4) Axle		
	(a) Number of Axle	Single axle trailer with front caster wheel (Foldable type)	
	(b) Country of Origin	Group A Country	
	(c) Country of Manufacturer		
	(5) Pay Load	To be mentioned	
	(6) Overall Length	To be mentioned	
	(7) Overall width	To be mentioned	
	(8) Overall height	To be mentioned	
	(9) Useable length of platform	To be mentioned	
	(10) Useable width of platform	To be mentioned	
	(11) Height of platform from ground	To be mentioned	
	(12) Ground clearance	To be mentioned	
	(13) Tyre		
	(a) Size of Tyre	To be mentioned	
	(b) Tyre type/pattern design	Radial type. Non-directional, Ground Grip/Cross country (ND, GG/CC)	
	(c) Tyre Brand	Bridgestone/Dunlop/ Goodyear/ Yokohama/ Toyo/Uniroyal/ Continental/ Michelin/ Folda/ Firestone/ Armstrong/AMTEL/ Pirelli/ Hankook/Kumho	
	(d) Country of Origin and manufacturer	USA, Japan, EU Countries, Russia, Brazil, Indonesia, Malaysia, Philippines, Singapore, Thailand and South Korea	
	(e) Rim Size	To be mentioned	