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25 July 2017

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RE-EVALUTION OF VESSEL TYPE D (RIVER WORTHY)

Reference:

A. Army Headquarters, Engineer in Chief's Branch, Engineer Directorate letter number 23.01.901.055.02.192.03.17.07.17/Vsl Type D dated 17 July 2017.

It is to inform you that standardization of suitable models of **Vessel Type D (River Worthy)** for adoption in Bangladesh Army is under process. Therefore, all interested Firms/Suppliers are requested to forward necessary offer, brochures, catalogues, technical/training/operational/maintenance manuals and price list etcetera (each in duplicate) against each model directly to AHQ, E-in-C's Branch, Engineer Directorate by 30 July 2017. Offered models should be compatible with specification attached with this letter. Lack of any information will disqualify the offer.



SYED ASHIQUL ISLAM
Major
For Director General

Enclosure:

1. 02 Pages Technical Specification.

Distribution:

External:

Action:

(All Concerned Firm/Supplier)

Information:

Army Headquarters
E-in-C's Branch
Engineer Directorate

Internal:

Action:

IT Section - (For sending to enlisted Supplier/Firm with DGDP through email).

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TECHNICAL SPECIFICATION OF VESSEL TYPE D (RIVER WORTHY)
(Approved in General Staff Policy Committee Meeting 6/2014)

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	USA, Canada, UK, Austria, Belgium, Denmark, Finland, Germany, France, Hungary, Italy, Ireland, Netherlands, Sweden, Norway, Switzerland, Spain, Japan, Australia, Turkey and South Korea	
7.	Country of Assembly		
8.	Country of Manufacturer		
9.	Year of Production		Maximum 1 year before the contract
10.	Port of Shipment	To be mentioned	
11.	Material	Rigid Hull (Fiber Glass) Solid Rubber Boat	
12.	Overall Dimension		
	a. Length	8 m - 10 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 weight)	To be mentioned	
13.	Details design and drawing of Vessel	To be approved from Bangladesh Army	
14.	Accommodation or Seating facilities for passengers	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	
26.	Fuel injection system	Electronic Fuel Injection	
27.	Fuel tank capacity	Minimum 450 liters	
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	USA, Canada, UK, Austria, Belgium, Denmark, Finland, Germany, France, Hungary, Italy, Ireland, Netherlands, Sweden, Norway, Switzerland, Spain, Japan, Australia, Turkey and South Korea.	
	c. Country of Manufacturer		
	d. Year of production		Maximum 1 year before the contract
	e. Horse power (rpm to be mentioned)	Minimum 2x200 Horse Power @ Rpm to be mentioned	
	f. Cylinder	Minimum 6 Cylinder	
	g. Bore and Stroke	Bore and Stroke to be mentioned	
	h. Engine controls	Electronic	
	j. Engine starting	Self-Started (Electrical)	
	k. Cooling System	Water Cooled	
	l. Compression ratio	To be mentioned	
	m. Number of carburetor/Fuel injection system	Multipoint sequential fuel injection system	
	n. Details of propeller (Material and Size) and shaft length	Details to be mentioned	
	p. Engine test bench certificate	To be provided during inspection	
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	

Ser	Description	Required Technical Specification	Remarks
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	ISO certificate to be provided by the manufacturer	
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	USA, Canada, UK, Austria, Belgium, Denmark, Finland, Germany, France, Hungary, Italy, Ireland, Netherlands, Sweden, Norway, Switzerland, Spain, Japan, Australia, Turkey and South Korea	
	(4) Number of Axle	Single axle trailer with front caster wheel (Foldable type)	
	(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) Brand	Bridgestone/Dunlop/Goodyear/Yokohama/Toyo/Uniroyal/Continental/Michelin/Folda/Firestone/Armstrong/ AMTEL/ Pirelli/ Hankook/Kumho	
	(d) Country of Origin	USA, Japan, EU Countries, Russia, Brazil, Indonesia, Malaysia, Philippines, Singapore, Thailand and South Korea	
	(e) Rim Size	To be mentioned	
	(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	160 mm	
	(b) Inner Dia	76 mm	
	(b) Thickness/Ring Dia	42 mm	
	(c) Height from ground	864 mm	
	(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	
	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.		