

TECHNICAL SPECIFICATION FOR RIGID INFLATABLE BOAT REQUIRED FOR 50 T. BOLLARD PULL TUGS - HSL YARD NOS. 11162 & 64		PRQ No. PRQE/1713 /11-12 Revision No. : '0' Dept : MEO Date : 10-08-11
Clause No.	Description of Technical Specification	Vendors Reply. Complied / Not complied
1	<u>SCOPE OF SUPPLY OF SUPPLIER:</u>	
1.1	To supply the Rigid Inflatable Boats as detailed in Para-4 "Description of Supply"	
1.2	To furnish complete technical literature, illustrative pamphlets, drawings etc., in English language and in Metric system.	
1.3	To supply test certificates as detailed in Para-5.	
1.4	To despatch the Boats duly packed to prevent any damage during transit.	
1.5	The Boats are to be approved by IRS Classification Society complying with the requirements of SOLAS Rules. .	
1.6	The equipment shall be inspected, tested and approved by Indian Register of Shipping (IRS) / Equivalent National Authority..	
2	<u>GUARANTEE:</u>	
2.1	The supplier shall guarantee the equipments against any defects or failures that may arise due to faulty design , defective material employed or poor workmanship involved on their part for a period of 12 months from the date of delivery of vessel to the owners or 30 months from the date of supply respective equipments.	
2.2	In case of suppliers guarantee being applicable the suppliers shall make arrangements to repair the defects of the equipment free of cost at the earliest and quickest possible means. The supplier shall provide further guarantee of 12 months in respect of such repair / replacements made during guarantee period.	
3	<u>INSPECTION:</u> The inspection of all machinery will be carried out by the Classification Society at the OEM's premises prior to despatch of the equipment	
3.1	<u>INSPECTION AT HSL:</u>	
3.2	Inspection of equipments shall be carried out at HSL in relation to specification and any deviations pointed out shall be made good by supplier free of cost. However this initial inspection shall not relieve the supplier of their responsibility for the short comings and defects that may come to light when the equipments are erected, commissioned and tested and supplier shall make good the short comings and defects.	
4	<u>WEIGHTS AND DIMENSIONS:</u>	
4.1	Weights and Dimensions of each equipment offered shall be indicated in the offer. The weight should not exceed 350 kgs excluding OBM and equipment.	
	Note : Weights of equipment / items are critical in the project, hence keeping in view the criticality of these weights on the ships design, this parameter shall be given due consideration while placement of the order for the equipments. Hence suppliers are requested to offer their equipments with possible minimum weight.	

Clause No.	Description of Technical Specification	Vendors Reply. Complied / Not complied
5	<u>DESCRIPTION OF SUPPLY PER TUG:</u>	
5.1	Quantity required – One set per vessel (Total 3 sets required for 3vessels)	
	(i) Length overall - 4.70 M + 0.05 M	
	(ii) Beam extreme including collar – 2.1 M + 0.03M	
	(iii) Draught maximum including appendages and OBM – 0.5 M at OBM.	
	(iv) Max speed – 22 to 25 knots in light loaded condition (All accessories, equipment, fuel and 02 crew).	
	(v) Economical speed – 10 to 12 knots (under full load condition up to sea state 3).	
	(vi) Endurance – Not less than 8 hrs at economical speed and full load condition.	
	(vii) Fuel capacity – To meet specified endurance with 25% reserve.	
	(viii) Operating state – Sea state 4.	
	(ix) Carrying capacity – 09 men (including 02 crew).	
	(x) All OBM controls, navigational/communication instrument shall be mounted on console.	
	(xi) The hull shall conform to IRS rules and regulation.	
	(xii) The navigational, life saving equipment are to be as per SOLAS requirement.	
	(xiii) Fixed and loose equipments are to be supplied as required per SOLAS rules and their details are to be furnished in the quotation.	
	(xiv) The boats are to be provided with approved lifting eyes/slings to lift the boat by an articulated crane and their details are to be furnished in the quotation.	
	(xv) Engine spares are to be supplied along with the boat & details are to be furnished in the quotation.	
	(xvi) The boats are to be inspected and certified by classification society.	
	<u>SPARES :</u>	
	Class / Manufacturer’s recommended spares for unrestricted services for complete system shall be included in the offer.	
	<u>On Board Spares:</u>	
	List of manufacturer’s recommended spares for the two years operation/ maintenance with individual cost shall be indicated in the offer.	
	<u>B & D Spares:</u>	
	List of manufacturer’s recommended spares for five (5) years operation / maintenance with individual cost shall be indicated in the offer. One copy of Parts Identification List to be supplied with quotation. The validity of the offer for B& D spares shall be for 18 months.	
	<u>LIFE TIME SUPPORT:</u>	
	Supplier shall confirm the Provision of Life time Support by providing for a Minimum period of 20 year, except Electronics where the minimum period will be 10 years after delivery of the last Tug.	

Clause No.	Description of Technical Specification	Vendors Reply. Complied / Not complied
9.2	In case the equipment is likely to become obsolete, the Manufacturer shall be committed to give a clear three (3) year notice to the Indian Navy to assess the requirement of "Life Time Buy" of spares.	
10	<u>TRAINING:</u>	
10.1	The ships crew & shore maintenance staff are required to be trained on the operation and maintenance of the equipment installed On Board.	
10.2	<u>DOCUMENTS TO BE SUPPLIED:</u>	
	<u>ALONG WITH QUOTATION</u>	
10.3	Copy of type approval certificate issued by IRS Classification Society complying with the requirements of SOLAS Rules for the offered Boats.	
10.4	Leaflets / Drawings showing the Dimensional details of the offered Boats and its lifting sling details.	
10.5	Weight of each boat, accessories, engine separately to be indicated.	
10.6	Details of scope of supply, list of accessories and engine spares to be furnished.	
10.7	Previous experience :- The maker shall have proven experience in supplying the equipment. Documentary evidence of previous supplies shall be submitted.	
11	<u>BEFORE DESPATCH OF EQUIPMENT:</u>	
11.1	Test & Inspection certificate of the complete boat with engine in one original plus four copies issued by Classification Society per each boat separately.	
11.2	Instruction manuals furnishing complete details of the boat, engine, dimensional drawings, comprehensive parts lists (CPL) & Parts Identification Lists (PIL) etc. in four copies per each boat.	
11.3	Makers Test Certificates are to be supplied in one original and 5 copies for each boat separately.	
12	<u>REJECTION CRITERIA:</u>	
12.1	All the paras of this specification are to be confirmed para wise without	
12.2	All documents as required per paras 10.2 to 10.6 must invariably enclosed to the offer.	
12.3	Without the above documentation the offer will be rejected.	

M(MES&O)

CM(OAD&M)