

TECHNICAL SPECIFICATION FOR PYROTECHNICS REQUIRED FOR 50 T. BOLLARD PULL TUGS - HSL YARD NOS. 11162 - 64		PRQ No. PRQE/2003 /11-12 Revision No. : '0' Dept : MEO Date : 05-09-11
Clause No.	Description of Technical Specification	Vendors Reply. Complied / Not complied
1	<u>GENERAL:</u>	
	The pyrotechnics described herein are required for vessel nos. 11162 - 64.	
2	<u>REGULATIONS AND APPROVALS:</u>	
2.1	All the pyrotechnics described below are to be approved by Mercantile Marine Department (India) OR the government surveyors of the member countries of SOLAS and to comply with the latest rules and regulations of SOLAS to use them on Ocean Going Vessels	
3	<u>DESCRIPTION OF SUPPLY PER SHIP :</u>	
	Item description	
3.1	Line Throwing Apparatus. - 1 set/ship	
3.2	Ship's Parachute Rocket Signals. -12Nos./ship	
3.3	Life buoy with MOB smoke signal, self igniting light and line with quick release. - 2 Sets/ship	
3.3	Life buoy with 30 mtrs buoyant line and self igniting light - 2Nos./ship	
3.4	Life buoy with self igniting light - 2Nos./ship	
4	Date of manufacture of the equipments shall be just before supply.	
4.1	All the pyrotechnics are to be supplied in suitable water tight plastic containers	
5	<u>GUARANTEE:</u>	
5.1	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.	
5.2	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.	
6	<u>INSPECTION AT HSL:</u>	
6.1	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.	
7	<u>WEIGHTS AND DIMENSIONS:</u>	
7.1	Weights and Dimensions of each equipment offered shall be indicated in the offer	

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8	<u>LIFE TIME SUPPORT:</u>	
8.1	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.	
8.2	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.	
9	<u>TRAINING:</u>	
9.1	The ships crew & shore maintenance staff are required to be trained on the operation and maintenance of the equipment installed On Board.	
10	<u>DOCUMENTS TO BE SUPPLIED:</u>	
10.1	<u>ALONG WITH QUOTATION</u>	
10.2	<u>DOCUMENTS TO BE SUPPLIED:</u>	
10.3	Descriptive and illustrated pamphlets / literature shall be sent along with quotation for each of the above items.	
10.4	Copies of proto type approval certificates with valid date issued by MMD/Equivalent national Authority are to be supplied along with quotation for the offered brand/make of pyrotechnics.	
10.5	Fixing details for 'Manover Board' Life Buoy lights are to be supplied along with supply	
10.6	<u>Previous experience :-</u> 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	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 for compliance by the tenderer.	
12.2	Documents as required per paras 10.3, 10.4 &10.5 shall be submitted along With quotation.	
12.3	The quotation will be rejected in case of non compliance of paras12.1&12.2 above by	

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