

EAPC Mooring&Tug boat : MR –Mandatory requirements

Item no	Technical Specification Requirements	Comments
1.	The yard has completed the manufacturing and successful delivery of at least 2 similar boats (In relation to the Suggested Boat – Work boat, Mooring boat, tug boat) that are delivered successfully since January 1 st 2019.	<u>Reference list to be provided</u>
2.	The boat design shall be based on one of the followings models: 4.1. CintranaVal Spain – Model CND 23063-17m 4.2. Robert Allen Ltd – Model RAmbler 1700	<u>Designer’s and Yard’s statement</u>
3.	Yard is certified to quality assurance system based on ISO 9001-2015 (QA system)	<u>Valid Certificates to be provided.</u>
4.	Steel hull & Marine Aluminum alloy wheelhouse construction	<u>Yard statement + GA +Technical specification to be provided.</u>
5.	The vessel will be designed and constructed in accordance with Lloyd’s Register Rules for Special Service Craft, "+100 A1 +LMC, mooring and work boat G2 ".or other similar IACS member notation	<u>Yard statement.</u>
6.	Boat shall be designed and constructed according to Class and IMOT Rules and regulations as listed in the technical	<u>Yard statement.</u>

	specification requirements	
7.	Fuel capacity to operate without refueling for at least 30 (Thirty) hours at the cruising speed of about 10 Knots, with 10% spare.	<u>Yard statement + General tanks capacities to be provided.</u>
8.	Operating Conditions-According to Technical Specification Requirements (Sea temp, ambient temp and humidity, sea state)	<u>Yard statement.</u>
9.	Max Service speed : not less than 12 Knots in full load and MCR engines condition	<u>Yard statement + preliminary speed/power prediction to be provided.</u>
10.	Max steady bollard pull ahead shall be not less than 10 tons	<u>Yard statement + preliminary BP prediction to be provided</u>
11.	Noise level when the engines are running at 85% Maximum Continuous Rating, will not exceed 65 dB(A)	<u>Yard statement.</u>
12.	Propulsion – CAT C18 Tier II D rating engines	<u>Yard statement.</u>
13.	Auxiliary engine , CAT maker comply with the technical specification requirements	<u>Yard statement</u>
14.	Fixed pitch Propellers protected by Kort nozzle will be designed as to meet the rating of the engines and the required speed and BP, and to be cavitation free.	<u>Yard statement.</u>
15.	The two main engines exhaust pipes to be ducted	<u>Yard statement.</u>

	through aft side shells of the boat in afterward 45 degrees to side direction, and 45 degrees down.	<u>Clear indication in the Suggested Boat GA to be provided.</u>
16.	2 split AC unit for wheelhouse – each serving 100% of the cooling capacity	<u>Yard statement.</u>
17.	Designed for 1 operator and 12 passengers	<u>Yard statement.</u> <u>Clear indication in the proposed GA to be provided.</u>
18.	Mooring, Towing , fenders and anchoring fittings as described in the technical specification	<u>Yard statement.</u>
19.	Full compliance with the technical specification makers list	<u>Yard statement</u>