

NEW MANGALORE PORT AUTHORITY MARINE DEPARTMENT

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PANAMBUR,
MANGALORE – 575 010.
Karnataka

No. NMPA/ME/KRUSADAI/2024/08

Date: 10-12-2024

To,

The Prospective Bidders,

Sir,

**Sub: “DRYDOCKING AND REPAIRS OF PILOT LAUNCH
KRUSADAI” – Realistic Budgetary Offer requested - reg.**

Please provide Realistic Budgetary Offer for “**DRYDOCKING AND REPAIRS OF PILOT LAUNCH KRUSADAI**” as per the following terms and conditions. The scope of work is as follows.

S.No	Description of Works	Qty	UOM	Rate	Amount
1	Hauling up the launch , providing necessary blocks to support the bottom to facilitate hull cleaning, painting, repairs etc. and lowering back the launch in water after completion of drydock repairs. The launch is to be safely hauled up and lowered using Slipway facility and drydock repairs to be carried out at repair yard having proper facility for carrying out various works related to drydock repairs.	L.S	L.S		
2	Taking over of Launch Launch to be taken over by the Contractor at Northern return Wharf of the Port and after completion of drydock repairs launch to be delivered back at same location. Voyage expenditure in terms of manning and fuel etc. to be borne by the Contractor.	L.S	L.S		

3	Sand blasting, chipping, scrapping and painting of Hull, Deck. High Pressure water jet blasting the entire hull area, deck and hatch coaming. Total Area: approx. 295 Sq.mtr (Underwater hull area-125 Sq.Mtrs, Above water hull & deck fitting area-80 Sq.Mtrs, Main deck external-90 Sq.Mtrs.)	295	Sqm		
4	Chipping above mentioned area	295	Sqm		
5	Scraping above mentioned area	295	Sqm		
6	Applying paint to the above areas as per paint scheme in the enclosed sheet.(Underwater hull area-125 Sq.Mtrs x 5 coats, Above water line of hull & deck fitting area-80 Sq.Mtrs x 4 coats, Main deck external-90 Sq.Mtrs.x 4 coats) Note: Colour of each coat to be different and shown to engineer-i/c before and after painting of each coat.	295	Sqm		
7	Superstructure (Built with FRP material) External: Remove loose scales, rough the surface and apply paint as per paint scheme. Area-60 Sq.Mtrs	60	Sqm		
8	Chipping, scraping and painting internal dry compartments & all Engine Room Machinery: The area such as rudder compartment, Aft fuel oil storage tank compartment, Engine room, fore peak spaces, fresh water tank, fwd. store compartment and all Engine Room Machinery (Main Engines, DG Sets, Gearboxes, Motors, Pumps, Valves) to be chipped, scrapped, cleaned and painted with paint as per paint scheme in the enclosed sheet. Approx. area: 450 sq. mtr. NOTE: COLOUR OF EACH COAT TO BE DIFFERENT AND SHOWN TO ENGINEER-i/c BEFORE AND AFTER PAINTING OF EACH COAT.				
	• Chipping above mentioned area	400	Sqm		
	• Scraping	400	Sqm		
	• Painting above mentioned area as per paint scheme in the enclosed list, Area 400 Sq.Mtrs x 2 coats	400	Sqm		
9	Renewal of Anodes:				
	• Cutting and removal of old anodes 20 Nos.	10	Nos.		
	• Fitting of new Zinc anodes, Qty-20 Nos.	10	Nos.		
	• Supply of anodes, Qty-20 Nos. The Zinc anode should be 90 to 99% purity confirmed with test certificate. Size of anode: 300mm x 75mm x 25mm.	10	Nos.		
	Note: Lab certificate to be provided for the anodes supplied.				

10	Sea Chests (Port & Stbd):				
	• Both sea chest grating to be removed cleaned, painted and boxed back.	2	Nos.		
	• To apply 2coats of apexior to sea chest internal area and fit back/secure sea chest grating with fasteners. Qty:02nos.	2	Nos.		
11	The rubber beadings of following doors and hatch covers are to be changed with rubber beadings of sponge type, 60/65 shore hardness and soft.				
	• Forward store booby Hatch , size 25mm width x 35mm thickness x 3 mtr long	1	No.		
	• Wheel House entrance Door size 25mm width x 10mm thickness x 4.5 meter	1	No.		
	• Forward accommodation entrance hatch , Engine room entrance hatch & Rudder compartment entrance hatch size: 40mm width x 20mm thickness x 2.5mtr long x 03 Nos.	3	Nos.		
	• Engine room ventilation opening hatch covers (FRP) rubber beading to be renewed Size: 50mm x 5mm x 2 mtrs long x 02 Nos.	2	Nos.		
12	Suction Valves (Sea Chest) Gate type, Size: 80 mm	2	Nos.		
13	Rudders:				
	• Removal & fitment of rudder assembly including disconnecting linkages - 02 sets	2	Nos.		
	• Renewal of bottom bush bearing as per existing size and shape(see drawing) size of bush: ID 110.5mm x OD 149mm to suit & shrink fit rudder stock trunking tube of size ID 149 mm x bush length 72mm, Material; Gun metal & Neoprene packing ring	2	Nos.		
	• Renewal of Top side Thrust ball bearing with flat seat, Make: SKF or equivalent brand(Capable of taking thrust of 17.73KN)	2	Nos.		
	• Building up and machining of rudder shaft in way of top bearing & bottom bush area.	1000	sqcm.		
14	Ultrasonic gauging				
	• Ultrasonic gauging of Hull plating	500	Points		
15	Renewal of steel:				
	• Hull side shell, Hull bottom plating & Main Deck Plating all of thickness - 6mm Note: The above indicated quantity of steel is purely on assumption basis and it may vary as per actual requirement. Steel to be of Lloyd's or equivalent to IS 2062 B. To be quoted per Kg.	1	Ton		

AKZO NOBEL INTERNATIONAL MARINE COATINGS PAINTING SCHEME

SI No.	Type of Paint	Colour	No. of Coats	DFT in Microns
	Underwater Area (Hull)			
01	Intertuf262-Primer	Red	2FC	200
02	Intergard262-Cover coat	Light Grey	FC	75
03	Interspeed340-Antifoul Base coat	Brown	FC	125
04	Interspeed340-Antifoul finish coat	RED		125
	Above water area			
01	Intertuf262-Primer	Red	2FC	250
02	Intergard740	Black	2FC	120
	External Deck			
01	Interbond201-Primer Surf	Grey 2FC	2FC	75
02	Intergard740 Deck	Green	2FC	75
	Accommodation			
01	Intertuf262-Primer	RED	2FC	250
02	Intergard740	WHITE	2FC	80
	Engine Room			
01	Interbond201-Primer	Surf Grey	2FC	150
02	Interthane 990	White	FC	100
	Bilge Area			
01	Interbond201-Primer	Surf Grey	2FC	150
02	Intergard740	Grey	FC	80
	Thinner			
01	International			

The Above paint scheme is only a guide. Equivalent Marine Paints such as Jotum, Hempel, Sigma Marine may be used. Please mention in your quote about the paint make & paint scheme.

NOTE: COLOUR of each coat to be different and shown to Engineer i/c before and after painting of each coat.


Terms and Conditions:

1. **Rate to be quoted without GST.** GST as applicable would be paid extra.
2. The time allowed for completion of job is **15 days** from the date of taking over of Launch.
3. The contractor has to take a Commercial General Liability (CGL) Insurance Policy during execution of contract work to the extent of 50 % of the contract value to cover Third Party Liability with cross liability extension. Third party liability shall cover
 - a) Third party bodily injuries/death/disablement (persons not belonging to Employer and/or Contractors/subcontractors).
 - b) Third party property damage which includes damages to others properties/materials/vessels/pipelines/cargo/equipment/other facilities belong to third party and inclusive of properties during construction/erection/Govt. properties.
 - c) The value of third party legal liability for compensation for loss of human life or partial/total disablement as well as for damage to others equipment/material/property shall be of required statutory limit where applicable or as awarded by Court of Law.
 - d) The policy will be on claim made basis with retroactive date of commencement of contract and shall be valid throughout the tenure of the contract period (including defect liability period) and be also valid during the extended period if any.
4. Port Entry Passes will be issued for the operational staff, officers and their vehicles. However Main Gate Entry Card to be purchased at the prevailing rates.
5. The contractor has to take the **insurance policy** covering all type of risks in respect of all employees engaged by them for the contract work.
6. The Contractor has to comply with the Contract Labour Act, Workmen Compensation Act and shall follow the ESI & Provident Fund Rules for their personal / crew engaged. The contractor should also note that they should employ the crews of Indian Nationals only.
7. The crew members of Pilot Boat shall be arranged by the Contractor at their cost while sailing from NMPA to repair yard & back.
8. All measures and aspects to be adopted to protect the environment.
9. Working personnel should wear the proper uniform & PPE and follow the safety regulations.
10. **Welding works** to be carried out by the Qualified Welders as per Class requirements and necessary documentary proof of welder to be submitted to IRS.

11. **Various tests** for the materials such as Steel plates, bushes and radiographic test of welding joints etc. to be carried out as instructed by the IRS Surveyor in IRS recognized laboratories. **Lab charges would be paid extra at actuals on submission of bills.**
12. **UT gauging** to be carried out by IRS approved firm. Indicated points of UT Gauging is on assumption basis and it may vary as per actual requirement.
13. **Steel plates** to be renewed as per Class requirements. Indicated quantity of steel is on assumption basis and it may vary as per actual requirement. Steel to be used is Lloyd's or equivalent to IS 2062 B. The necessary documentary proof of steel plate to be submitted to IRS.
14. **Building up of deep pitting marks** on side shell/hull plating, grinding/surface finishing to be carried out as per requirements. The points mentioned is on assumption basis and it may vary as per actual requirement.
15. All jobs are to be carried out complying with the IRS requirements.

It is requested to submit **Realistic budgetary offer** by e-mail to **me-section@nmpt.gov.in** on or before **18-12-2024**.

Yours faithfully,

 10/11/24
Sr. Dy. Marine Engineer
Marine Department