

**NEW MANGALORE PORT AUTHORITY
MARINE DEPARTMENT**

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PANAMBUR,
MANGALORE – 575 010.
Karnataka

No. NMPA/AE-MW/BUOY-AMC/2024/03

DATE: 24.06.2024

SUB: Budgetary Quotation for Maintenance of Marker Buoys, Leading Lights and Towline Lights for Navigational Aids for a period of 3 years - Reg.

Kindly quote your realistic budgetary rates for Maintenance Contract for a period of 3 years for the maintenance of under mentioned Marker Buoys, Leading lights and towline lights with its accessories in New Mangalore Port Authority.

- a) 13 Nos. Channel Marker Metal buoys in the approach channel.
- b) 04 Nos. Cardinal buoys (Polyethylene Buoys) near the wreck.
- c) 03 Nos. Leading lights with 12 Volts Battery (DC power Backup) installed on towers at shore.
- d) 04 Nos. Towline lights with 12 Volts Battery (DC power Backup) installed on towers at shore.

The Scope of work and Terms & Conditions of the contract are as follows:

SCOPE OF WORK:

1. Periodic Maintenance of the Marker Buoys:

- a) The Marker Buoys are to be retrieved from their position using Tug and brought ashore and lifted on to the berth using a Crane. (Tugs, Launches and Crane will be provided by NMPA free of cost on availability)
- b) Inspection for damages or repairs to be carried out.
- c) Defective Marine Lantern (Stand alone Lantern) are to be repaired or replaced.
- d) Scrapping, Chipping, Cleaning, Surface preparation and painting to be carried out as per the given Painting Scheme (**Annexure II**)
Total Area to be covered;
 - a) Under water: 18sq.mtrs (apprx).
 - b) Above water: 20sq.mtrs (apprx).
- e) Replacement of damaged Sacrificial Zink Anodes. (**Sacrificial Zinc anodes to be provided by contractor as per quoted rates**)

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- f) Worn-out sinker connected pendent chain links (specific length), Swivel piece, Triangular plate and forelock end shackles are to be replaced with new and welded into position. **(Sinker will be provided by NMPA, however, replacement of open link pendent chain, swivel piece, triangular plate and forelock end shackles to be provided by the contractor as per BOQ quoted rates)**
- g) Corroded plates of superstructure to be replaced and welded. **(MS angle plates to be provided by the contractor as per specification as and when required)**
- h) Repair and replacement of defective Lanterns. **(Lanterns as per specification to be provided by the contractor as per the quoted rates as and when required).**
- i) Reinstalling of Marine Lantern after painting the Buoy as per painting scheme and checking for flashing.
- j) Any other concerned work as instructed by the Engineer-in-Charge is to be carried out.
- k) After inspection by Engineer-in-Charge, lowering the buoy into the water and redeploy it in its position as per the instructions of the Marine Surveyor.
- l) *The maximum time for completion of job for one Buoy is 10 working days.*
- m) The contractor is responsible for arranging the crane and transportation to shift buoy accessories or any necessary materials required for maintenance.
- n) The offers must adhere to the specified BOQ format **(Annexure-I)**, with rates quoted on a per Buoy basis.

2. Monthly Maintenance of the Lanterns, Leading Lights and Towline lights.

- a) Upon receiving the complaints about defective lantern or the Leading/ Towline lights, immediate action will be taken. Defective Leading/Towline Lights will be repaired or replaced. (Batteries for Leading/ Towline light will be supplied by NMPA)
- b) Battery maintenance.(Distilled water, Battery terminals, cables, lamps etc., will be arranged by contractor)
- c) In case of complaints regarding Buoy Lantern at sea, launches will be provided by the department free of cost.
- d) The Contractor is responsible for providing the necessary tools and materials required for repair works. However, in case of critical items required in an emergency, the contractor can arrange them and submit the original Invoice for reimbursement of costs.
- e) All maintenance and service details must be accurately documented in the Log Book.

Terms and conditions:

1. The contract period is for **Three years** (from the commencement of service)
2. The job may be thoroughly inspected prior to quoting.
3. Rate to be quoted without GST. **The GST as applicable would be paid extra.**
4. Income Tax shall be deducted from the bill as applicable.
5. Power supply for the work will be arranged by NMPA free of cost on availability. If not available the Contractor has to arrange for the same at his own cost.
6. Painting should be as per attached painting scheme.
7. The rates must be in realistic manner based on present market rate.
8. The Contractor has to make arrangement for repatriation of staff at his own cost.
9. Office/Workshop will be provided by NMPA inside Port. The Contractor will arrange and provide accommodations and transport for operational staff nearest to the port.
10. One professional diver and two experienced operational staff members must be on standby 24x7 to promptly address any complaints.
11. Port entry passes will be issued free of cost for the operational staff, Managers and their vehicles. However, RFID Card to be purchased from pass section Marine Department at contractors cost. The cost of each card is Rs.150/- approximately.
12. 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. Any damages to the Port properties during Service / repairs will be at contractors account.
13. All works must be carried out to the entire satisfaction of the Officer i/c.
14. **Protection of Environment:** All measures and aspects to be adopted to protect the environment.
15. **Safety Regulations:** Working personnel should wear proper PPE and follow the safety regulations.
16. NMPA shall not be liable for any accident, damage or compensation payable to any workman or other person in the employment of the Contractor or any Sub contractor.
17. **Employer Liability Insurance:** The Contractor shall indemnify and keep indemnified the Employer i.e. NMPA against all damages or compensation payable at Law in respect of or in consequence of any accident or injury to any workman or other person in the employment of the contractor or Sub-Contractor against all claims, demands, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto and the Employer shall be at liberty to deduct or adjust from the Contractor's bills an amount that employer may be called upon to pay towards claims, demands, proceedings, costs, charges and expenses whatsoever in respect of or in relation to any accident or injury referred to above without any reference to the Contractor.

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18. The Contractor shall comply with all the Central, State and Municipal Laws and Rules and shall be solely responsible for complying with the provisions of the Contract Labour (Regulations & Abolition) Act, 1970 & the contract labour (Regulation & Abolition) Karnataka Rules 1974 and rules there under and the enactments that may be applicable including ESI Act, the payment of wages act, Provident Fund Act, the Minimum Wages Act, the Factory's Act. The Workman Compensation Act or any other applicable legislation and the Municipal by-laws or other statutory Rules and Regulations whatsoever in force if these are applicable. Any obligations finding or otherwise missed under any statutory enactments, rules & regulations there under shall be the responsibility of the Contractor and the NMPA will take no responsibility for the same. The Contractor should take Workmen's Compensation Policy for his workers, who are not covered under ESI and submit the same to the EIC immediately after commencement of the work
19. PERSONAL PROTECTIVE EQUIPMENTS: The contractor shall ensure the use of PPE such as helmets, safety shoes, nose masks, hand gloves, Safety Harness or any other equipment as required depending on nature of work by his staff at site.
20. NMPA will not be **responsible** for any damage / loss suffered by the staff due to errors of the Supervisor / staff or any reason whatsoever.

It is requested to submit the **Realistic budgetary offer** by email to roshan.kumar@nmpt.gov.in or harbourmaster@nmpt.gov.in on or before 04 -07-2024 at 1500 hrs.

Thanking you,

Yours faithfully

S. Kumar
24/06/24

Harbour Master

NEW MANGALORE PORT AUTHORITY

Mangalore-575010

ANEXXURE-I

BOQ:

Sl.No.	Item Description	Amount in Rs.	Qty (For 3 Years)	Total Amount
1.01	Charges for Retrieving the Buoy from its position at the approach channel and lifting it on the berth.(with crane provided by NMPA at free of cost)		27.00 jobs	
1.02	Charges for redeployment after maintenance work (with crane provided by NMPA at free of cost)		27.00 jobs	
1.03	Chipping, Painting of the Buoy as per painting scheme: Chipping, Scrapping work & Painting to be carried out as per painting scheme on underwater surface area (18Sq.Mtrs Apprx) and above water surface area (20Sq.Mtrs Apprx) of the Buoy. Note: Paints as per the painting scheme to be provided by the Contractor.		27.00 jobs	
1.04	Sacrificial Zinc Anodes: Cutting of old worn out anodes and welding of new anodes. (Anodes of size 290mm x 120mm x 50mm x 04 Nos per Buoy) Supply of new Zinc anode should be 90 to 99% purity confirmed as , per test certificate. Lab certificate to be provided for anodes		27.00 jobs	
1.05	Cutting and welding work: (Optional) Cutting and welding of Sinker connected chain links and replacement of corroded angle plates of superstructure (Vertical angle 75mm x 75mm x 8mm thick and Horizontal angle 65mm x 65mm x 6mm thick)		27.00 jobs	
1.06	Charges for shifting one Buoy from its position to another location for dredging purpose or any other related work.		60.00 jobs	

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1.07	Rate for monthly maintenance: a) Periodic Battery maintenance. b) Maintenance of Leading lights and Towline lights and its accessories. (Including replacement of lamps) c) Repair/Replacement of Lanterns and any other periodic maintenance works of Buoys at sea. d) Maintenance/repair of corroded Light fittings bracket on the towers as and when required.		36.00 jobs	
1.08	M S open link chain 38 mm dia. As per IS 4692.	Per meter	300 Mtrs.	
1.09	Swivel piece 38 mm nom. dia. As per IS4484		10.00 Nos.	
1.10	Forelock end shackles 38 mm nom. dia. As per IS4484		10.00 Nos.	
1.11	Triangular Plate (MS) 42 mm Thick		10.00 Nos.	
1.12	Lantern; 12Vdc 10 Watt. Self contained Solar operated High intensity Marine LED beacon with 100,000 hours of burning life. Luminous range not less than 5 NM range (T=0.74) and IALA approved. IP 67/68 rating with programmable character. Sturdy Polycarbonate and UV resistant lens with automatic ON/OFF switch photo diode. Protection against reverse polarity and excessive input voltage. Anti corrosion salt water resistant body, weight not more than 5.5Kg. (5 Nos. RED, 5 Nos. GREEN and 5 Nos. WHITE Lanterns)		15.00 Nos.	
TOTAL				
GST as applicable				
TOTAL (Including GST)				

ANNEXURE-II**PAINING SCHEME**

Sl No.	Type of Paint	Colour	No. of Coats	DFT in Microns
	Underwater Area			
1.	Surface Tolerant Epoxy Primer	-	2FC	100
2.	Tie Coat Epoxy Intermediate	-	1FC	100
3.	Antifouling	Black	2FC	100
	Above water area			
1.	Surface Tolerant Epoxy Primer	-	2FC	100
2.	Finish Coat Epoxy	Red/Green/White/Yellow/Black	2FC	40

The Above paint scheme is only a guide. Equivalent Marine Paints such as Jotun, Hempel, Sigma or International Marine or International may be used.