

**COCHIN PORT TRUST**

Office of the  
Chief Mechanical Engineer  
Cochin-09.

No.E/Channel Marking Bouys/21-M

Dated: 28-04-2021

**NOTICE INVITING BUDGETARY OFFER**

Budgetary offers are invited for the Supply, Installation, Testing & Commissioning of following items at Cochin Port Trust:-

Sl. No.	Name of the Item	Quantity
1	Channel Marking Bouys (U.V Stabilized Virgin Polyethylene)	02 Nos.

Brief Technical Specification of the Channel Marking Bouys and Terms & Conditions are attached as ANNEXURE-I. The bidders are requested to furnish the budgetary offer in the attached price schedule format.

If any of the specifications/parameter of the items offered by the bidder vary with reference to the specification given by CoPT (minor or major), the bidders are requested to specify the variations in specifications/parameter in the budgetary offer and also furnish technical write up of the product offered. Any accessories /attachments which are not indicated in the attached specification but are essentially required for the safe operation / handling of the item at site may also be clearly indicated in the budgetary offer along with its cost.

The budgetary offer may be sent to the Chief Mechanical Engineer, Cochin Port Trust, Willingdon Island, Cochin-682009 by e-mail given below on or before 08-05-2021 at 17.00 Hrs.

The bidders may note that the offers are invited only for budgetary purpose to arrive at the estimate. Cochin Port is not bound to purchase the items from the bidders based on the budgetary offer submitted.

Encl. Technical Specification & Price Schedule

Sd/-

**CHIEF MECHANICAL ENGINEER**

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**ANNEXURE-I**

**TECHNICAL SPECIFICATION OF CHANNEL MARKING BUOYS : 2 Nos.**

<b>SL. NO.</b>	<b>DESCRIPTION/PARAMETER</b>	<b>REQUIREMENT</b>
<b>A</b>	<b>BOUY-FLOAT SECTION</b>	
1)	Diameter	1.2 m (min)
2)	Body materials	U.V Stabilized Virgin Polyethylene
3)	Colour	Green as per IALA recommendations
4)	Focal Height	Not less than 1225 mm
5)	Thickness	Not less than 9 mm
6)	Module shall be connected with SS316L grade bolts , nuts and washers	
7)	Buoy provided with sufficient number of mooring eyes and lifting eyes of SS316L grade	
8)	Mooring pole/mooring eyes and lifting eyes are internally connected with SS316Lgrade links to prevent stress on the buoy shell while lifting	
9)	Mooring pole ; SS316L grade	
10)	Reserve buoyancy of the buoy is adequate to keep the buoy in vertical position under sea condition BEAUFORT 5/6	
11)	Buoy with IALA approved day mark, top mark and radar reflector	
<b>B</b>	<b>BOUY- SUPER STRUCTURE</b>	
1)	Super structure	UV stabilized Virgin Polyethylene
2)	Top portion of the superstructure accommodate radar reflector and integral solar powered LED marine lantern	
3)	In case battery of Lantern is positioned inside the superstructure, the battery compartment have water sealed access door	
4)	All fasteners shall be SS 316L grade	

SL. NO.	DESCRIPTION/PARAMETER	REQUIREMENT
<b>C</b>	<b>MOORING</b>	
1)	Buoys are intended to be in channels of Cochin Port with an average depth of 07 meters	
2)	Mooring chains, swivels, D-shackles etc. to meet the requirement of laying the buoys in the above channels	
3)	Mooring chains shall be open link type, MS(U2)grade as per IS: 4692/equivalent International Standards, having a minimum diameter of 20 mm	
4)	Shackles and swivels shall be as per IS4484	
5)	Mooring gears shall be certified by IRS or any other member of International Association of Classification Society.	
6)	Sinker of adequate weight of 1 Ton	
7)	Mooring chain and accessories suitable for sea condition BEAUFORT 5/6	
<b>D</b>	<b>INTEGRAL SOLAR POWERED LED MARINE LANTERN</b>	
1)	Light Source	LED
2)	Colour	Green
3)	Visibility Range	Not less than 1 Nautical Mile
4)	Flashing	Intermittent quick flashing and adjustable
5)	Nominal Voltage	12V
6)	Battery	Maintenance free with a minimum autonomy period of 20 days
7)	Body Material	UV radiation resistant material or powder coated Aluminium suitable for marine environment
8)	Water Tightness	IP68
9)	Solar Panel	Integral with lantern

**TERMS & CONDITIONS:-**

1. Scope of supply: Contractor's scope include supply, installation, testing and commissioning at Cochin Port Trust's site
2. Delivery Period- 60 days from the date of issuing of Purchase Order.
3. Payment Terms -100% after acceptance of the Item at Cochin Port.
4. Guarantee: The items shall be guaranteed for a period of twelve months from the date of installation / commissioning, or 18 months from the date of supply whichever is earlier.

**PRICE SCHEDULE- BUDGETARY OFFER**

Name & Address of the Bidder:

Sl. No.	Description of Item	Quantity	Unit Price (Rs.)	Total Price (3)x(4)	GST in figure& in %	Total Price(INR) (5)+(6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Supply, installation, testing and commissioning of Channel Marking Buoys (U.V Stabilized Virgin Polyethylene material), Diameter 1.2 m (min)	2 Nos.				

Signature

**Note:-**

- 1) The bidder shall quote the price in Indian Rupees only.
- 2) The bidder also indicate the GST clearly in percentage in Colum (6).
- 3) Please mention the delivery period.
- 4) Please attach the product literature of quoted item.