

# MORMUGAO PORT TRUST

समुद्री विभाग .

S O (Marine) – section

To,

**Sub:** AMC for solar lighting-units of Navigational-channel, Mooring-dolphins, Breakwater-light, Mole-light & allied works for 2019-20 at MPT harbour, Quotation no: DC/SO(M)/01/2019

Quotation in single-cover system are invited for the subject work. The Scope-of-work, terms & conditions, Price-cover & undertaking-letter enclosed at schedules-**A, B & C** must be duly stamped & signed during submission, which is self explanatory.

Sealed quotations complete in all respects in a single cover should be submitted to **Harbour Master**, Marine department, 1<sup>st</sup> floor, AO Bldg, Mormugao Port Trust, Sada, Goa – 403804, on or before **30.09.2019** latest by **11.00 hrs**. The quotations shall be opened on the same day at **11.15 hrs** in the presence of bidders who may wish to attend.

Please feel free to seek any clarification from us on the matter.

Thanking you,

Yours faithfully,

Deputy Conservator

**Encl:** As above

# **MORMUGAO PORT TRUST**

## **Marine Department**

**Cover page**

**Quotation no. DC/SO(M)/01/2019 issued on 17.09.2019**



**QUOTATION FOR**

**“AMC for Solar lighting-units of Navigational-channel, Mooring-dolphins,  
Breakwater-light, Mole-light & allied works for 2019-20”**

**Submission at 11.00 hrs on 30.09.2019**

**Website: <https://mptgoa.gov.in>**

MORMUGAO PORT TRUST  
MARINE DEPARTMENT, SO[M]-Section

Quotations are invited in a sealed cover duly super scribed as

**Quotation for: “AMC for Solar lighting-units of Navigational-channel, Mooring-dolphins, Breakwater-light, Mole-light & allied works for 2019-20”**

**Details about Quotation:**

Quotation invited by	Deputy Conservator, HoD-Marine department, MORMUGAO PORT TRUST
<u>Name of Work &amp; [Quotation no]</u>	<b>“AMC for Solar lighting-units of Navigational-channel, Mooring-dolphins, Breakwater-light, Mole-light &amp; allied works for 2019-20” [DC/SO(M)/01/2019]</b>
<u>Liquidated Damages</u>	For delay in supply/work Liquidated damages for delay to complete the work, a sum equivalent to double the daily-cost on monthly(30day) contract-price subject to a maximum of three(3) days per occasion and MPT shall have the power to deduct this amount from the payment of the amounts due to the contractor or from his deposit.
<u>Security deposit</u>	10 % of the contract <u>value</u> . in <u>Two</u> parts: (i) 5% of contract value – to be furnished in the form of DD only from the nationalized bank in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco da Gama, Goa within 30 days of placement of order/LOA whichever is earlier. (ii) 5% retention money deducted from the running A/c bills.
Payment terms	100% payment / month shall be made within <b>30 days</b> after satisfactory completion of work/month on producing undisputed-invoice complete in all respect. The contractor shall furnish their bank account number, PAN card, MICR number, name of the Branch along with Bill for arranging payment made through ECS by the Trust.
<u>Bid validity &amp; Contract period</u>	<b>60 days</b> from date-of-opening of quotation. Twelve( <b>12</b> ) completed months from date of order
Issue of bids	17/9/2019.
Opening of bids	<b>30/9/2019 till 11:00</b> hrs & thereafter opening at <b>11:15</b> hrs. on 30/9/2019
Address for communication & submission of bid	“Harbour Master, Dy HoD - Marine department, 1 <sup>st</sup> floor, AO Bldg, Mormugao Port Trust, Mormugao, Goa – 403804. <i>(Clearly writing quotation-no work-title and submission / opening date on outside envelope)</i>
Contact Details	Phone :0832-2594816 / 0832-2594803/0832-2594805
<u>Enclosures</u> [Total 6-pages 3-sheets]	Schedule-A [Scope-of-work] Schedule-B [Terms & conditions] Schedule-C [Price cover and Undertaking letter]

## Scope-of-work

**Name of Work:** “AMC for Solar lighting-units of Navigational-channel, Mooring-dolphins, Breakwater-light, Mole-light & allied works for 2019-20” at Mormugao Port Trust.

### I) List of Navigational lighting equipments afloat / offshore:

#### 1. Breakwater light-----[Qty – 01 no]

- a) Marine Lantern- Automatic power Inc-API / Tideland ML-140 / Sealite SL-125, etc
- b) Solar generator panel
- c) Solar controller
- d) Maintenance free lead acid battery- 12 Volts 100 Ah

#### 2. Mole light-----[Qty – 01 no]

- a) Marine Lantern – Automatic power Inc API / Tideland ML-140 / Sealite
- b) Solar generator panel
- c) Solar controller
- d) Maintenance free lead acid battery 12 Volts / 100 Ah

#### 3. Buoy light-----[Qty 14 nos in stream]

- a) Marine Lantern-Automatic power Inc-API / Tideland ML-140 / Sealite SL-125, etc

#### 4. Mooring dolphins-----[ Qty – 06 nos]

- a) Compact sealed Marine Lanterns of Automatic power Inc-API/Tideland ML-140/Sealite SL-125

### II) Details of work

The bidder/contractor should deploy one electrician with helper and both should report to site-field-office, Marine dept/ MPT for minimum seven (7) full-days per month till completion of work.

Work includes attending breakdown maintenance Schedule Maintenance monthly routines inspection as per checklist, for each solar lighting-units of navigational-channel Mooring-dolphins, Breakwater-light, Mole-light and allied works which includes following:

#### A) **Solar lighting on Channel-buoys, Breakwater light, Mole light Danger Marker lights & Mooring-dolphins**

1. Cleaning Lens- Cleaning of Light lens using a cloth and warm soapy water, wipe off any foreign matter before rinsing the lens with fresh water.
2. Cleaning Solar Panels-Cleaning of the solar panels using a cloth and warm soapy water, wipe off any foreign matter before rinsing the panels with fresh water.
3. Battery Check- Inspection of batteries to ensure that the charger, battery and ancillary electronics are functioning correctly. Using a voltage meter, check that the battery voltage and ensure all terminals are clear of foreign matter. If repair of unit is not feasible, then unit to be replaced and defective unit to be brought ashore & rectified. Check battery, clean tighten terminals. If battery is discharged then battery to be replaced and defective unit to be brought ashore & putting the batteries for charging with available solar panels/electric charging.
4. Carry out wiring & install lighting-units. The technical-works to the Navigational-lighting units shall consists of general-servicing, trouble-shooting, fault-finding, minor-repairs to spares / component / unit-replacement, besides surface-descaling etc.
5. Check flashing codes and setting accordingly.

#### B) **Allied works:**

The bidder/contractor shall assist in afloat/offshore works for removal/installation/cleaning of buoys, Marine mock-drills, and other assigned/ incidental department works.

**TERMS & CONDITIONS****1. Submission of Quotation**

- a) Short-notice limited quotations are invited from Micro, mini, small, minor & medium [MSME enterprises] for providing labour & services to MPT and offering them opportunity in participating in progress, growth, development, etc of the MPT/Harbour. Scope-of-work Schedule-A, Terms & condition Schedule-B and Price-cover schedule-C to be read in conjunction to ensure integrity of actual supply & works involved. Bidders must submit all schedules A, B & C duly stamped & signed. The cover should be sealed & superscribed “AMC for Solar lighting-units of Navigational-channel, Mooring-dolphins, Breakwater-light, Mole-light & allied works for 2019-20”.
- b) Price Schedule should only be filled with total Lumpsum / item wise charges towards the work and shall be inclusive of Labour & materials charges unless otherwise specified. Taxes, duties surcharges etc., if any should also be clearly indicated.
- c) Bids not sealed properly by the bidder are likely to be rejected.

**2. Assessment of Work**

The Bidders is advised to visit the site, get acquainted regarding the nature of the work involved at site conditions and report to the office of SO[M]-office/HM/MPT, during working hours before submitting the quotation.

**3. Validity of the bid**

The bid should be valid for a period of **60** days from the date of opening-of-Cover.

**4. Liquidated Damages:**

In the event of failure by the contractor to complete the execution of the work within the stipulated time or by the expiry of any period of extension granted by MPT terms thereof, the contractor shall pay MPT as Liquidated damages for delay to complete the work, a sum equivalent to double the daily-cost on monthly(30day) contract-price subject to a maximum of three(3)days per occasion and MPT shall have the power to deduct this amount from the payment of the amounts due to the contractor or from his deposit.

**5. Security Deposit:**

10 % of the contract value. Two parts: (i) 5% of contract value – to be furnished in the form of DD only from the nationalized bank in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco da Gama, Goa within 30 days of placement of order/LOA whichever is earlier. (ii) 5% retention money deducted from the running A/c bills.

**6 Payment**

100 % payment will be made within 30 days of satisfactory completion of the work and submission of undisputed-bills in order. Bills should compulsorily be submitted in triplicate with the original duly stamped and pre-receipted.

**7 ESI / EPF**

- a. The bidder shall have EPF Registration No. of the firm and shall contribute towards Employees Provident Fund (EPF) and submit the copy of the same along with the details in the prescribed format while submitting bills.
- b. The bidder shall register with E.S.I. and should submit the copy of the minimum amount of insurance (ESI) etc. obtained before the commencement of the work.
- c. The bidders without ESI/EPF are liable for rejection.

## **8 Technical (Operational & field) terms and conditions :**

i) Monthly one routine schedule maintenance based on checklist on each solar lighting-units of navigational-channel Mooring-dolphins, Breakwater-light & Mole-light also has to attend breakdown maintenance and report with observations to be submitted to site-field-office, Marine dept/ MPT. During monsoon season June-August there will be no schedule maintenance activities hence no payment will be made unless if emergency works arises then payment will be based on actual days of work.

ii) **Mean eligibility criteria-MEA:**The bidder should have experience in Direct-current(DC-electric) repairs to solar-panel charging systems, motor-electric circuits, ignition-systems, dynamos, battery charging, inverter-storages, Portable generators / pumps, etc to afloat / offshore launch-boats, fishing trawlers, inland-barges, motor-boats, etc or should have experience in Similar-works and submit valid proof.

iii) The electrician who will be deployed should have afloat/offshore repairs experience in motor-electric circuits, ignition-systems, dynamos, battery-charging, inverter-storages, Portable generators/pumps, etc to and one helper to assist, both to be stationed at the MPT workshop/port-craft/Launch-jetty. Both should available for seven (7) days per month and should report to site-field-office, Marine dept/ MPT

iv) The bidder should ensure and give undertaking that deployed staff (electrician & helper) knows swimming and shall carefully observe the weather/sea/tide-swell conditions including rainy seasons and venture out only after confidently ascertaining consensus with the MPT sailing-staff. Since all navigational units are located along berthline-waterfront, mid-sea/offshore atop floating-buoys, etc contractor shall ensure that same shall be attended by technical persons with courage, good self/sea-survival swimming-skills, self-confidence, etc and submit valid proof/evidence to that effect.

v) The technical-works to the Navigational-lighting units shall consists of general-servicing, trouble-shooting, fault-finding, minor-repairs to spares / component / unit-replacement, etc besides surface-descaling, soap-washing, (influenced by bird-droppings, fly-dust of ores/coal, mist, etc) cleaning, wiping, etc is also included.

vi) All tools, tackles, fixtures & other implements shall be arranged by the Contractor at their own cost.

vii) For travelling-voyage to off-shore site-locations, Launch/boat/Tugs shall be provided by MPT. Travelling to shore-based berthline-waterfront locations shall be on contractor's account.

viii) At start of AMC a brief amount of standby spares, components, frames & fixtures, hardwares, materials-items, etc at equipment-stockroom will be handed-over to the contractor in order to independently handle all AMC requirements and same shall have to be returned on AMC completion.

ix) Spares, components, consumables, etc shall be provided by MPT. However conventional routine material-items which are incidental in nature shall be on contractor's account.

### **x) Breakdown repairs to be taken within 24hrs of telephonic communication / intimation.**

xi) Contractor shall organise to handle / shift all lighting-units, batteries, components, spares, material-items, etc pertaining to the contract onto the Launch, tugs, boats, atop offshore-buoy, breakwater lighthouse, Mole light-post, mooring dolphins, load/unload on vehicles, etc

xii) Any additional help-hand, labours, work-assistance, etc both on-shore & off-shore shall be organised by the contractor at his own cost.

xiii) It is incumbent on part of the contractor to bring to the notice of MPT any additional needs for attending the contract more effectively, untoward incidences, cautionary/security issues/lapses that may have been viewed progressively as forward looking initiatives, etc.

xiv) While attending off-shore/afloat-repairs, the contractor & all his personnel shall compulsorily wear all certified safety gears, life-jackets, anti-skid footwear, goggles, gloves, etc at his cost.

xv) The contractor shall collect the items for usage from store-room, MM dept-Baina, local-market supplier, transporter, etc including delivering the various units for charging, repairs, etc within or outside MPT in his own vehicle. MPT vehicle if free will be provided as available.

xvi) All efforts are made to incorporate the actual contract requirements, although details information mentioned are to be considered indicative only. Actual maintenance requirements shall construed as existing at the site conditions although actual mention thereof may have been absent / omitted.

## **9) GENERAL TERMS AND CONDITIONS**

- i)** Bidder/contractor shall be fully responsible for safety/security of job/ items at his worksite. Loss due to any damage towards this or bad workmanship shall be suitably recovered as decided by Deputy Conservator/MPT
- ii)** The bidder/contractor shall be constantly & regular-in-touch/communication with Pilot-room, CO-PR, Signal-station, SO[M]-office, etc staying alert on availability/deployment of MPT staff-duties, flotilla-launches, working schedules, etc. No cause shall be made by the contractor regards miscommunications, non-connectivity of phone-links/ranges or otherwise in physically keeping-in-touch with MPT.
- iii)** The bidder/contractor shall maintain discipline & strict decorum while conducting themselves with the MPT launch/boat staff-crew, avoiding any acts of confrontation, misconduct, compromise, conflict, omissions, etc. and be diligent in building a harmonious relationship throughout the AMC.
- iv)** Valid submitted quotation will be evaluated by comparing total-cost in Price-cover.
- v)** No labour below the age of 18 years shall be employed. The Contractor shall pay to every employee engaged by him on the work at a rate not less than the minimum rate of wages fixed by the Goa State /Central Govt from time to time under the Minimum Wages Act 1948 and he shall comply with the provision of the said Act and all the prevailing the Rules as applicable on date.
- vi)** Entry passes shall be obtained by contractor at their own cost with the approval of Port officials.
- vii)** The MPT will not be responsible for any loss or damage of the men/materials/tools/plants engaged by the bidder/contractor during the work at site or transportation.
- viii)** The Contractor shall take utmost care during the execution of the work, if any damage to Port property, the cost of the damage shall be deducted from the Contractor's bill.
- ix)** MPT reserves the right to change, alter, modify, add, subtract, increase, decrease, etc the quantities or close work order without giving any justification/reasons to make the contract more feasible.
- x)** Even if the contract is awarded, MPT reserves the right to reject the contractor and summarily stop the contract at any time midway during the pendency of the contract if MPT desired needs are not fulfilled or if in its opinion the service requirements are later found inadequate or unsatisfactory or for any reasons that may be undisclosed.
- xi)** In case of disputes the matter will be resolved by referring to Spot-purchase-committee/MPT.
- xii)** Address for communication and submission of bid: Harbour Master, Marine dept, 1<sup>st</sup> flr AO Bldg, Mormugao Port Trust, Goa – 403804. Phone: 0832-2594816./ 2534803

**PRICE COVER (Bill-of-quantities)**

**Sub:** "AMC for Solar lighting-units of Navigational-channel, Mooring-dolphins, Breakwater-light, Mole-light & allied works for 2019-20" at MPT.

(Prices quoted shall be all inclusive of taxes, duties, GST, other levies, etc)

Sr	Description of work (Only Labour & services)	Unit[Rs] price	Qty [nos]	Cost (amount in Rs)		Remarks (twelve months)
				figures	Words	
1	As detailed in scope of work-schedule-A & schedule-B terms & conditions. Deploying one Electrician and one helper available for minimum seven (7) days per month.		12			
2	Taxes, GST, other levies, etc					
		<b>Total</b>				

(Rupees \_\_\_\_\_)

**NB:** [Schedule A, B, and C ach duly stamped & signed must be submitted alongwith Price-schedule]

\_\_\_\_\_  
Signature and Seal of the Contractor

Name of Firm/Contractor:

Address:

Place:

Date:



## **Bidder/Contractor Undertaking Letter**

**Sub: "AMC for Solar lighting-units of Navigational-channel, Mooring-dolphins, Breakwater-light, Mole-light & allied works for 2019-20" at MPT.**

1. This is to state that we M/s. \_\_\_\_\_ Represented by Mr. \_\_\_\_\_ have read, understood, visited all site-locations, studied various intricacies involved, acquainted ourselves with quantum of work, taken all clarification, etc before submitting the offer. We are required to provided all the relevant facilities & services in complete requirement of subject work as wholesome including those that may be incidental in nature although without specific mention of same thereto.
2. We have read understood, & signed schedule **A, B,** and **C,** in acceptance all Statutory terms/conditions, Standard procedures, relevant compliances, etc as applicable to Govt organisations.
3. We ensure and give undertaking that deployed staff-electrician and helpers are competent persons with good self/sea-survival swimming-skills in afloat/offshore conditions. Swimming-skills knowledge certificate of deployed persons will be submitted.
4. We are fully confidant of executing and delivering the Labour & services involved within the prices quoted at schedule **C.**

\_\_\_\_\_  
Stamped and signed in acceptance

Name of Firm/Contractor:

Address:

Place:

Date: