

NOTICE INVITING BUDGETORY OFFERS

Name of Work	“SITC of 16 NOS. 500W LED LUMINIARES ON 2 Nos. HIGH MASTS”
Date of submission of budgetary quotation	On or Before 26.03.2024 at 15.00 Hrs.
Address for communication:	Executive Engineer (E-HR), 2nd floor, Electrical Harbour section, Mormugao Port Authority, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594207, 2594253 Email: mohamed.shaik@mptgoa.gov.in
Website	www.mptgoa.gov.in

EXECUTIVE ENGINEER (E-HR)
MORMUGAO PORT AUTHORITY



MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT
POWER HOUSE SECTION



Sub: "SITC of 16 NOS. 500W LED LUMINIARES ON 2 Nos. HIGH MASTS"

Ref: Budgetary Quotation No. CME/XEN(E-HR)/PH/P-11/2024/01

Mormugao Port Authority intends to carryout work of **"SITC of 16 NOS. 500W LED LUMINIARES ON 2 Nos. HIGH MASTS"**.

As such, it is requested to kindly furnish budgetary quotation for the same (Scope of work, technical specifications are enclosed at Annexure-I and Price Schedule enclosed at Annexure- II.

Your budgetary quotation should reach to this office on or before **26.03.2024** at **1500 Hrs.**

Thanking you,

Yours sincerely,

EXECUTIVE ENGINEER (E-HR)

ANNEXURE-I

TITLE OF WORK: “SITC of 16 NOS. 500W LED LUMINIARES ON 2 Nos. HIGH MASTS”

1. GENERAL

Mormugao Port Authority proposes to carry out the work of Supply, Installation, Testing and Commissioning (SITC) of 500W LED luminaires on existing High Masts as per technical specifications.

2. SCOPE OF WORK

2.1 The work involves,

- a) Supply, Installation, Testing & Commissioning of 8 Nos. 500W LED floodlight fittings each on existing 2 Nos. 30 M High Mast so as to achieve uniform lux level of minimum 8 lux on the ground around the radius of 90mtrs from the High Mast and average horizontal illuminance of 20 lux as per technical specification. Connection to the existing cable shall be carried out using IP67/68 Marine connectors which is in Contractor scope.
- b) High Mast lamp carriage will be lowered departmentally and provided to the Contractor for installation of fittings. The fittings shall be installed one side only. However, weight balance of the Lantern carriage shall be ensured by the contractor for which dead weight will be provided by the Port, installation of which shall be in the scope of contractor.
- c) Recording of lux level for the High Mast in presence of Port Engineer and submission of the report in the form of Grid to the satisfaction of Port Engineer.

The bidder is advised to inspect the site and assess the work involved in detail. The bidder shall take into account any fittings, accessories, apparatus, modifications or any other works not specifically indicated in the tender but otherwise essential for overall completion of the work before submitting his offer and the same shall be deemed to have been included in the scope of supply. The contractor shall carry out the work as directed by Engineer in charge.

2.2 STANDARDS

The design, manufacturing, supply, installation, testing and Commissioning of the LED luminaires and accessories covered in this specification shall comply with relevant IS standards with latest amendments.

2.3 DETAILED TECHNICAL SPECIFICATIONS:-

The installation of LED fittings shall be carried out on 02 nos. High Masts. Proposed no. of fixtures to be installed – 16 nos. (08 nos. in each High mast)

Each High mast at present consists of:

- Double Lantern carriage.
- 350W LED fixtures – 12nos
- Height of the high mast – 30mtrs

a. Supply of LED flood light fittings.

- Supply of LED Flood light fittings (Outdoor) for 30 Mtr. High masts installed at Port area. The luminaries supplied shall be as per Indian standards (IS) and test reports shall be submitted along with the materials. The Luminaries supplied shall be guaranteed for a period of 5 years.

The LED lamps shall be as per IS Standard 16102(Part-I):2012, 16102(Part 2):2012, 16107 (Part I) 2012 and 16105-1:2012.

- LED chip shall be Customized to get minimum 140 efficacy of fixture, Efficacy of fixture >120 Lumens Per Watt, Beam Angle : 40°/25°, CCT : 5700K, CRI : ≥ 70, Internal SPD : 10KV, IP Protection ≥IP66, THD ≤10%, PF=≥0.95. High quality toughened glass attached to housing using frame for IK08 impact resistance.
- The Bidder must submit with technical bid, LM-79 and LM-80 Reports not older than last 5 years for same product of the required specification from accredited NABL/UL/ILAC member accredited LAB or from LED chip manufacturer.

b. Installation of LED flood lights.

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT
POWER HOUSE SECTION

The work includes installation of LED flood lights with complete accessories viz. 2.5 mm² wires, SS nuts, bolts and washers, Marine Connectors (IP67/68) etc.

The Contractor shall install LED flood light fittings to achieve uniform lux level of minimum 8 lux at the radius of 90 mtr. from the High mast and average horizontal illuminance of 20 lux as per technical specifications. The work shall be carried out by the contractor with all materials and labours, as directed by Engineer-in-Charge.

c. **Guarantee** : The Luminaries supplied shall be guaranteed for a period of 5 years.

3. SPECIAL TERMS AND CONDITION:

- 3.1 The contractor at his own cost may visit MPA site, before quoting for the offer if necessary.
- 3.2 Power supply shall be provided to contractor free of cost from the nearest available point for execution of the work however the supply cable has to be arranged by the contractor.
- 3.3 All the material required for execution of the work has to be arranged by contractor at his own cost.
- 3.4 After completion of the subject work, the contractor shall clear the area of any unwanted scrap while handing over.
- 3.5 Work shall be carried out following all environmental norms.
- 3.6 Contractor shall follow all safety regulations as per relevant and prevailing standards.

ANNEXURE-II

Name of the Tender: **SITC of 16 NOS. 500W LED LUMINIARES ON 2 Nos. HIGH MASTS**

Sr. No.	Description of work	Unit	Qty.	Rate per Unit (Exclusive of GST)	Amount exclusive of GST	GST %
1	Supply, Installation, Testing & Commissioning of 500W LED floodlight fittings as per Scope & Technical Specification at Annexure I					
	a) Supply	Nos.	16			
	b) Installation, Testing & Commissioning	Nos.	16			
TOTAL (Exclusive of GST)						

(In words Rupees _____ only)

- Note:** 1) The rates quoted above shall be exclusive of GST.
2) Applicable GST shall be paid to the concerned authority by the Contractor and documentary evidence of the same shall be produced to MPA for reimbursement at actual.