

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.**

Name of office :

**The Executive Engineer,**

400KV R.S. Sub Station, M.S.E.T.C.L.

Deepnagar, BSL-II,

Tal. Bhusawal, Dist : Jalgaon - 425307

Phone – 9175297203,

E mail – ee5260 @ mahatransco.in

URL – www.mahatransco.in

**Ref : EE/400kV/RS/Dn/Deepnagar,BSL-II/No.94****Date:-03.04.2023.****SRM E-Enquiry**  
**(RFx No.7000026778)**

To,

All Registered Vendors,

**Sub:- SRM E-Enquiry for the Work of Providing & fixing of BIS certified 200W LED High Mast lights with fixtures & 40/48W LED Street lights fitting including lamps at 400 kV RS Dn. Deepnagar-Bhusawal-II.(Extension)**

Dear Sir,

Please offer reasonable rates for the above subject work as per the enclosed schedule 'A'. The detailed scopes of works are given below. Please note the following.

**Please Note the following:-**

1	RFx Number	<b>7000026778</b>
2	Online Downloading the RFx	<b>03.04.2023 @ 15.00Hrs to 11.04.2023@ 15.00Hrs</b>
3	Online Last Date Submission of the RFx	<b>11.04.2023 @ 15.00Hrs</b>
4	Online Opening of the Techno Commercial RFx	<b>11.04.2023 @ 16.00hrs</b>
5	Online opening of the price bid RFx	<b>12.04.2023 @ 12.00hrs</b>
6	Estimated Cost	<b>Rs. 5,97,181=00</b>
7	EMD amount	<b>5,972=00</b>
8	Tender Fees	<b>118=00 (Including taxes)</b>
9	Contact Person	<b>EE M-9175297203,</b>

**Terms & Conditions:**

- 1) **Due Date:** The quotations complete in all respects should be submitted on or before **11.04.2023 @ 15:Hrs** positively.
- 2) **Scope of Work:** the Work of Providing & fixing of BIS certified 200W LED High Mast lights with fixtures & 40/48W LED Street lights fitting including lamps at 400 kV RS Dn. Deepnagar-Bhusawal-II as per Schedule “A”.
- 3) **Quoted Rates:** You are requested to quote your unit rates for the items mentioned in the schedule on firm basis. **(Please quote ex-works price in ex-works field & applicable GST in GST field)**
- 4) **Security Deposit:** The successful bidder will have to pay an amount equivalent to 5% of Contract value towards S.D. at EE 400kV R.S. Division, Deepnagar, BSL-II within 15 days from the date of receipt of this order valid for 12 months the security deposit will be refundable after satisfactorily completion of guaranty period.

- 5) **Validity of Offer:** The offer should be valid for our acceptance for a period of 3 month from the due date of same.
- 6) **PERIOD OF CONTRACT:** The total period of contract is **06 (Six) months** from the date of receipt of the order or till the order value is exhausted whichever is earlier. However the work is to be completed within stipulated time period as per the instructions of Engineer incharge of concerned Division/Office. In no case the programmed laid down should be delayed.
- 7) **Delivery of Material:-** The entire quantity of the material required for carrying out the work is to be delivered directly at site safely (if any). The Bidder will be responsible for the safety of the materials at site at his own cost. MSETCL will not be responsible for any damage to the material supplied by the Bidder and the charges for delivery of shall be borne by the Bidder.
- 8) **Document Required:** The rate offer must be accompanied with following documents by vender:

- I) Valid Electrical Contractor License.
- II) Valid registration under Bombay Shop Act.
- III) Valid registration under GST.
- IV) Copy of PAN card and Income Tax Returns of last 03 years.
- V) The bidder should submit work order copy with experience certificate of execution of works in any govt/semi govt/private organization for similar type of works.
- VI) Technical specification duly signed by bidder as per the specification attached in Annexure-A.
- VII) Bidder duly signed undertaking as per the Annexure-B.

- 9) **Warranty:-** Warrantee of the Providing & fixing of BIS certified 200W LED High Mast lights with fixtures & 40/48W LED Street lights fitting including lamps should be minimum 24 months.
- 10) **EXECUTION OF WORKS:** Bidder will have to execute the works in presence of Executive Engineer or his representative & your representative only.
- 11) The Bidder shall have to arrange for the transport of materials, Man power, equipments and T&Ps include all such cost in the rates quoted by him for finished work.
- 12) **WATCH AND WARD:** The Bidder shall have complete responsibility of materials supplied by the bidder or handed over to bidder if any. The bidder shall keep watch and ward for all the materials.
- 13) **Income Tax:** Income tax& GST will be deducted as per rules.
- 14) **Quality:-** Bidder will be responsible for quality of work & workmanship. The material used to be strictly as per specification and shall be approved by the undersigned or his representative incharge.
- 15) **Payment:** 100% payment shall be made after successful completion of work as per work order & to our satisfaction at EE 400kV R.S.Division, Deepnagar, BSL-II.
- 16) **Submission of Bill:** The RR/Delivery challan shall be sent to the consigned and the bill in three copies shall be submitted to this office for payment.
- 17) **DAMAGE TO PERSONS AND PROPERTY:** Bidder will indemnify the MSETCL against any losses and claims regarding any injuries or damage to any person, material or physically damage any property whatsoever which may arise out of or in consequence of the execution of work. During execution of work any damage/loss to Transmission Company's property occurs will be recovered from your bill.
- 18) **Agreement:-** You will have to execute agreement as per provision of Mumbai Mudrank Adhiniyam 1958, Clause No.34 with requisite stamp duty before execution of work to this Office.

- 19) **General:** - MSETCL general Terms and Conditions for works are applicable to this contract. The undersigned reserves the rights to accept or reject any or all the Quotation without assigning any reason thereof and reserved the rights for cancellation of any or all quotations without assigning any reason.
- 20) For any dispute/differences arrived, that will be subjected to jurisdiction of Bhusawal court only.
- 21) MSETCL Reserve rights to add more terms during the contract period if found necessary.

S/d-  
**( Kishore D Dandge)**  
**Executive Engineer,**  
**400kV R.S.Division,**  
**Deepnagar, BSL-II.**

**Copy s.w.r. to: -**

1. The Superintending Engineer, EHV O&M Circle, Bhusawal. (By email)

**Copy to:-**

1. The Dy. Manager (F&A), 400kV RS Dn Deepnagar BSL-II. (By email)
2. The Web Master, MSETCL.(By email)
3. Notice Board.

## **Annexure-A**

### **Technical Specification for LED High Mast Flood Light & Street Light.**

- A. Each of streetlight / high mast flood light should be incorporated with formula array LED,**
- i) A series of LED scientifically mounted on a large size board in terms of formula matrix array, optimal array with suitable power intensity.
  - ii) Chip with series connections in rows and parallel connections among rows, rationally distributing current and voltage to insure a low load on each chip.
  - iii) Apply excellent heat conductivity with aluminum or ceramic substrate.
  - iv) A Photo-biological Report is required.
- B. Each streetlight / high mast flood Lights Reference Assembly,**
- i) Formula Array LED Pad 60\*66mm.
  - ii) Input voltage: 24:12V; 36: 36V.
  - iii) Colour temperature: 2700K; 6500K
  - iv) CRI: 70:  $R_a \geq 70$ ; 80:  $R_a \geq 80$
  - v) Thermal conductive silica gel sheet
  - vi) CCT: 2700~6500K
  - vii) Lumen efficacy for System: 115 ~ 140 Lm/W
- C. LED Lights must confirm to IS10322(Part5/Sec3)2012 for Street light & IS 10322 (Part5/Sec5) 2013 for Flood Light with valid BIS certification.**
- D. A third-party laboratory report (NABL certified) should be uploaded.**
- E. Each LED light must be marked with BIS certification Number and specification plate.**
- F. Each of streetlight / high mast flood Lights Must have Potted Isolated Drivers used with IS Standard & BIS certification.**
- i) IS Standard: IS 15885 (Part 2/ Sec 13):2012.
  - ii) Driver can be easily replaceable.
- G. Each of streetlight / high mast flood Lights Must Have Following Protections,**
- i) Over voltage protection for 440V for 2 Hrs.
  - ii) Under voltage protection (must work on 150V also)
  - iii) Short circuit protection
  - iv) Internal 4KV protection with external 10KV.
- H. Each of streetlight / high mast flood Lights Must have Surge Protection, separate external surge protection not less than 10KV, & internal surge protection not less than 4KV, operating voltage range should be within 140V~270V.**
- I. Each of streetlight / high mast flood Lights Must have Enclosure (Housing),**
- i) Light Fixture having Pressures Di-Cast ADC12- Aluminium Housing,
  - ii) Fins are providing on housing for better heat dissipation and surface must be powder coated, gasket for dust/jet proof.
  - iii) Streetlight/Flood light fixture should have mounting bracket with the fixing arrangement.
  - iv) Diffuser protected shield: Heat registrant through polycarbonate/Toughened Glass.
  - v) smallest and largest size of Cable: 1 Sq mm to 1.5 Sq mm

Signature of the Bidder

Name

Designation

Date

Authorized Common  
Rubber Stamp/Seal of The Bidder

## **Annexure-B**

### **UNDERTAKING**

**(This undertaking should be given on company's / firm letter head)**

To  
The Executive Engineer,  
EHV O&M Division, Jalgaon  
MSETCL

Dear Sir,

We hereby offer to execute the Work of Providing & fixing of BIS certified 200W LED High Mast lights with fixtures & 40/48W LED Street lights fitting including lamps at 400 kV RS Dn. Deepnagar-Bhusawal-II.

As detailed in your tender specification and in accordance with the terms and conditions thereof. We have carefully perused the above tender specification connected with the work and agree to abide by them.

We also agree to pay Security Deposit and to give the Contract Performance Guarantee as per your requirements in case we are the successful Bidders and we have accepted all terms & conditions of the tender specification.

#### **CERTIFICATE:**

I/We agree to supply the material at the rates herein tendered by me/us subject to the conditions of tender and supply in Annexure 'A' of this tender which I/We have carefully read and that I/We thoroughly understood and to which I/We agree. I/We hereby agree to keep this offer open up to the date as indicated in SRM E-Enquiry Details and shall bound by communication of acceptance dispatched within the validity period.

We further agree to execute the contract if awarded referred to in your SRM E-Enquiry specification as per the terms and conditions specified therein.

We are uploading this undertaking herewith as per the SRM E-Enquiry.

Signature of the Bidder :

Name :

Designation :

Date :

Authorized Common  
Rubber Stamp/Seal of :  
The Bidder

**SCHEDULE “A”**

Sub:- **SRM E-Enquiry** for the Work of Providing & fixing of BIS certified 200W LED High Mast lights with fixtures & 40/48W LED Street lights fitting including lamps at 400 kV RS Dn. Deepnagar-Bhusawal-II.

Sr. No.	Particular of work	Unit	Qty.	Unit Rate (Ex. Works)	Unit Rate including GST @ 18%	Total Amount
<b>A</b>	<b>Supply Portion</b>					
1	Providing of BIS certified 200Watt LED High masts light fixtures having single piece pressure die cast Aluminium housing fin are provided on housing for better heat dissipation. Heat resistant through toughened glass provided on fixture, gasket for dust proof, class IP66, and BIS certified Potted driver which can be easily replaceable. LED luminaries system efficiencies 115 lm / W, luminous efficiency 9000CD, power factor greater than 0.9, CRI should be greater than 70. The LED fixture should have separate external surge protection in the housing of not less than 10kV and internal surges protection of 4kV inside the driver, operating voltage range should be within 100V - 270 V. LED lumens greater than 25000 lumens. System efficiency greater than 115lm/W. Over voltage protection upto 310 V, driver should have short ckt. protection, Total harmonic distortion less than 15%, Nos. of LED not less than 900 nos., correlated colour temp. 5700k (+/- 500k), light should be real time ON/Off as per sunlight, operating temp. 40°C to 55°C. High masts fixtures should have mounting brackets with the fixture arrangement ( LED should be 2 years warranty).	EA	35			
<b>B</b>	<b>Service Portion</b>					
1	Fixing of 200 Watt LED Flood lights in 400 kV & 220kV switchyard under 400kV RS Deepnagar BSL-II.	EA	35			
2	S&E 40-48W Lamp LED Street Light Fitting	EA	24			

\*\*\* The specification of the LED should be as per specifications provided in the **Annexure-A**.

S/d-  
**( Kishore D Dandge )**  
**Executive Engineer,**  
**400kV R.S.Division,**  
**Deepnagar, BSL-II.**