



### महाराष्ट्र ऊर्जा विकास अभिकरण (महाऊर्जा)

सिटी सर्व्हे नं. २४९/अ-१ /५५, ई वॉर्ड म्हाडा कॉम्प्लेक्स, नागाळा पार्क, जिल्हा परिषदेजवळ कोल्हापूर-४१६००३  
ई-मेल आयडी [medakolhapur@mahaurja.com](mailto:medakolhapur@mahaurja.com) संकेतस्थळ (website) [www.mahaurja.com](http://www.mahaurja.com)

#### दरपत्रक सूचना

ग्रामपंचायत लक्ष्मीवाडी , ता. हातकणंगले, जि. कोल्हापूर येथे ०६ मिटर उंचीचा ०१ नग सौर हायमास्ट अस्थापित करणेकरीता पुरवठा, आस्थापना, चाचणी, कार्यान्वित करणे व ५ वर्षांच्या हमी कालावधीत सुट्या भागांसह देखभाल व दुरुस्ती करणे (CMC) या कामासाठी पारेषण संलग्न सौर विद्युत संच साधनांचे उत्पादक /पुरवठादार/प्रकल्प विकासक यांच्याकडून दरपत्रके मागविण्यात येत आहे.

- दरपत्रके सादर करण्याचा दिनांक व वेळ :- दि. २७/१०/२०२२ सकाळी १०:०० ते ०३/११/२०२२ सांय. ६:०० वाजेपर्यंत

सविस्तर माहितीसाठी <http://mahatenders.gov.in> या संकेतस्थळावर भेट द्यावी. याअंतर्गत प्राप्त होणाऱ्या दरपत्रकांपैकी एक किंवा सर्व दरपत्रके स्विकारण्याचे अथवा नाकारण्याचे सर्व अधिकार विभागीय महाव्यवस्थापक, महाऊर्जा, विभागीय कार्यालय, कोल्हापूर यांच्याकडे राहतील.

सही/-

विभागीय महाव्यवस्थापक,  
विभागीय कार्यालय, महाऊर्जा, कोल्हापूर

**Quotation Call**

To,  
(Supplier/Developer/Contractor/Integrator)

**Sub: Supply, Installation, testing & commissioning of 6 meter height 01 nos. Solar Highmast at Grampachayat Laxmiwadi, Tal. Hatkanangale, Dist. Kolhapur – Invitation to Quote**

With reference to subject matter, we would like to invite your quotes in sealed condition for undertaking the said work with given technical specifications and technical standards with following terms and conditions –

- Details and Dates: -

1	System details	<b>6 meter height 01 nos. Solar Highmast</b>
2	Estimated Cost	2,81,050/- (Inclusive of all taxes and charges)
3	Date and time for submission of quotations.	From 27/10/2022; 10:00 Hrs to 03/11/2022 18:00 Hrs
4	Date and time for opening of quotations.	04/11/2022; 10:00 Hrs
5	Security Deposit	10,000/- ( to be deposited by online mode in favor of Maharashtra Energy Development Agency, Kolhapur)
6	Address for communication	Maharashtra Energy Development Agency, Divisional Office Kolhapur SR.No. 249/A-1/55, E Ward, MHADA complex, Nagala Park, Near Zilla Parishad, Kolhapur-416003
7	Site location	<b>Grampachayat Laxmiwadi, Tal. Hatkanangale, Dist. Kolhapur</b>

➤ **ELIGIBILITY CRITERIA –**

The manufacturer/supplier shall be eligible to quote for this work provided fulfilment of following.

1. Shall have a registered firm/company with GST registration within Kolhapur division.
2. Shall provide brief information in prescribed format (enclosed).
3. Shall not be black listed in any govt and/or other organizations.
4. Shall provide documentary proof about having experience of supply, installation and commissioning of **minimum 01 Solar Highmast** or 05 Nos of Solar Street Lights (Work experience must be of government work).
5. Shall have an annual average turnover of Rs. 20 lakh per year for FY 2020-21 and 2021-22 duly certified by chartered accountant.
6. Shall provide self-attested copy of IT returns for FY 2020-21 and 2021-22.
7. Shall have arrangement of providing after sales service in area of installation of systems.

➤ **TERMS AND CONDITIONS –**

- 1) Location for installation of **Solar Highmast** shall be assigned immediately by the user agency to the selected manufacturer/supplier to get the work done in stipulated time.
- 2) The installation of **Solar Highmast** should be done in excellent manner and meet technical standards prescribed by the MEDA.
- 3) As per the technical criteria set by the Ministry of New and Renewable Energy, Govt. of India the solar modules should fulfill the IEC standards and shall be procured from manufacturer providing module with RFID tag.
- 4) The manufacturer/supplier shall provide module approved by MNRE else have to submit valid test certificate of module and inverter from govt. approved test centers.
- 5) The solar module should be engraved with name of company supplying the same along with installation date etc.
- 6) If the **Solar Highmast** doesn't function as per given standards then the loss incurred shall be borne by the supplier and paid to Grampanchayat Laxmiwadi, Tal. Hatkanangale, Dist. Kolhapur.
- 7) Supplier shall give training of System operation to a person duly nominated by user agency and same shall be informed to divisional office Kolhapur.
- 8) The manufacturer/supplier shall provide the user manual, warranty card to the user agency and same shall be informed to divisional office Kolhapur.
- 9) The manufacturer/supplier shall visit the site and ensure scope of work before submission of quote against the enquiry.
- 10) The manufacturer/supplier should enclosed the Site Visit Report in given prescribed format.
- 11) The work being of limited nature the manufacturer/supplier within Kolhapur District will be given preference while assigning the invited quotes.
- 12) Shall have to provide detail information about Company/firm in attached Format (Bidder's Information sheet)

➤ **COMPREHENSIVE MAINTENANCE CONTRACT (CMC)**

- i. The complete **Solar Highmast** must be warantee against any manufacturing/ design/ installation defects for a minimum period of 5 years.
- ii. During the CMC period, timely cleaning of SPV panels (once in fortnight) of system shall bound to Beneficiary.
- iii. During the CMC period, successful supplier should visit the site quarterly (after each 03 months) and ensure the successful working of Solar Pump. Also supplier shall maintain the visit log book at the site. If any problem occurs in working of Solar Pump; supplier shall attend the system within 48 hours and rectify the problem immediately.
- iv. In case if supplier fail to provide service during the CMC period, the Performance Bank Guarantee should be forfeited and Contractor/ Supplier shall be blacklisted.

➤ **TERMS OF PAYMENT –**

- 80% of the project cost will be released after installation and commissioning of the **Solar Highmast** which should be duly certified by supplier, Officer of MEDA & authorized person of User Agency along with submission of Insurance policy documents (Covering Natural Calamity, Damage, Fire, and Burglary) effective from date of commissioning up to CMC period.
- 20% of the total cost shall be released after receipt of two month successful performance report of Solar Pump which should be duly certified by Officer of MEDA, authorized person of User Agency and submission of performance bank guarantee of Rs. 10,000/- from any Nationalized Bank valid for period of 5 years from date of commissioning of the project.

➤ **DEDUCTION:-**

- i. The TDS at the source will be deducted as per the Govt. rule and regulations.
- ii. MEDA will issue necessary certificates of TDS deduction.
- iii. C' / 'D' form will not be issued by MEDA.

➤ **SECURITY DEPOSIT –**

- 1) A sum of Rs. 10,000/- (Rupees Ten Thousand Only) shall be deposited by the selected manufacturer/supplier as security deposit by online mode in favor of 'Maharashtra Energy Development Agency, Kolhapur on or before issuing of Work Order.
- 2) If the contractor fails to execute the system in given time or terminates the order prematurely then the security deposit will be forfeited and no excuses will be entertained.
- 3) The security deposit will be returned to the contractor without interest after successful commissioning of system and receipt of commissioning report duly signed by user agency, MEDA official and representative of the contractor.

➤ **PENALTY –**

- A penalty of 1/2% of the total project cost shall be imposed on the contractor against a delay of one week in project completion subject to a maximum of up to 10% of the total project cost. In case the penalty exceeds 10% of the total project cost, the given order will be canceled & the security deposit will be forfeited and the Contractor/ Supplier shall be blacklisted.

➤ **DELIVERABLES –**

- The supply, installation, testing and commissioning of subjected project shall be done within 30 days from the date of acceptance of order.

➤ **CHECK LIST OF DOCUMENTS TO BE FURNISHED WITH BELOW QUOTATION –**

- PAN and GST Details.
- Copy of IT Returns.
- Declaration on company letter head.
- Bidders Information Sheet.
- Annual Turnover Certificate.
- Work Experience Details.
- Site Visit Report.

We look ahead to seek your sealed quotation on or before 03/11/2022 till 18 Hrs.

Thanking you,

Divisional General Manager  
MEDA, Divisional Office, Kolhapur

Encl. :-

1. Technical Specifications of Solar Pump.
2. Site Survey Form.
3. Bidder Information Sheet.
4. Declaration Format.

**BIDDER'S INFORMATION**

Sr. No	Particulars	
1	Name of Firm	
2	Details of Mailing Address	
3	Firm Status (PSU/Incorporate/Ltd/Pvt.Ltd/LLP/Partnership/Proprietary	
4	Name & Designation Of Contact Person	
5	Contact No.	
6	E-mail Address for correspondence	
7	Firm website Address	
8	Firm registration No/ROC Establish Year of firm	
9	PAN No.	
10	GST No.	
11	Turnover (in Rs.) for FY 2020-21 and 2021-22	
12	Skilled manpower	

13	*Experience Solar Highmast Nos	
14	*Experience in solar Street light in Nos.	

Authorised Sign and Stamp

\* Enclose documentary evidence accordingly.

**DECLARATION**

(On company's letter head)

To,

**Divisional General Manager,**

Divisional Office Kolhapur

Maharashtra Energy Development Agency

(A Government of Maharashtra Institution)

Address: C. S. No. 249/A – 1/55, E Ward, Mhada Complex, Nagala Park, Near Zilla Parishad, Kolhapur - 416003

Respected Sir/Madam,

1. We have carefully read and understood all the terms and conditions of the quotation and hereby convey our acceptance to the same.
2. The information / documents furnished along with our offer are true and authentic to the best of my knowledge and belief, We are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of our quotation at any stage besides liabilities towards prosecution under appropriate law.
3. We have apprised our self fully about the job to be done with considerable amount during the period of agreement and also acknowledge bearing consequences to of non-performance or deficiencies in the services on our part.
4. We have no objection, if enquiries are made about the work listed by us.
5. We have not been barred or blacklisted by any Government Agency / Department/ PSU or any such competent Government authority, organization where we have worked. Further, if any of the partners/directors of the organization /firm is blacklisted or having any criminal case against them, our quote shall not be considered. At any later point of time, if this information is found to be false, Divisional General Manager, Divisional Office Kolhapur, Maharashtra Energy Development Agency, may terminate the assigned contract immediately.
6. We have not been found guilty by a court of law in India for fraud, dishonesty or moral turpitude.
7. We agree that the decision of Divisional General Manager, MEDA, Divisional Office Kolhapur, in selection of quotation and shall final and binding to us.

For  
(Company Name)

Name of signing authority / Designation / Place / Date



**Annual Turnover**

Each Bidder must fill in this form including private/public limited company.

- **Annual Turnover Data for the FY 2020-21,2021-22**

Year	Rs in Lacs
2020-21	
2021-22	

The information supplied should be the Annual Turnover of the Bidder in terms of the amounts billed to clients for each year for work in progress or completed.

Signature of Applicant

Certified by Applicant's Auditor

(Affix Stamp)

**SITE VISIT REPORT**

(To be submitted on letterhead of bidder)

Date: \_\_\_\_\_

To,  
The Divisional General Manager,  
Divisional Office Kolhapur,  
Maharashtra Energy Development Agency  
(A Government of Maharashtra Institution)  
Address: C. S. No. 249/A – 1/55, E Ward, Mhada Complex, Nagala Park, Near Zilla  
Parishad, Kolhapur – 416003.

**Sub. : Site Visit Report for Installation and Commissioning of 6 meter height 01 nos. Solar  
Highmast at Grampachayat Laxmiwadi, Tal. Hatkanangale, Dist. Kolhapur**

Ref.: Quotation Call No. Solar-1/Kolhapur/Solar Pump/Quotation/2022-23/..... Date:

Sir,

This has reference to above referred quotation call for Installation and Commissioning of  
6 Meter 01 nos. Solar Highmast at Grampachayat Laxmiwadi, Tal. Hatkanangale, Dist. Kolhapur  
in state of Maharashtra.

I / We hereby declare that we have visited the site.

I / We have made myself/ourselves acquainted with site conditions, approach to site,  
requirement of area, availability of water, requirement of quotation conditions etc.

I / We have verified all details required to execute the project.

I / We have no problems in undertaking the project and complete them in the given time  
period.

Thanking you

Yours faithfully,

(Signature of Bidder)

Name of Bidder -----

Designation -----

Seal:

**Signature of User Agency authorities.**

**Seal:.....**

**TECHNICAL SPECIFICATIONS FOR 6 METER SOLAR LED HIGH MAST LIGHTING SYSTEM:**

<b>PV Module</b>	Only indigenous modules shall be used in the project. For each High mast SPV module aggregate capacity 1320Wp (min 330Wp X 4Nos Module).
<b>Battery</b>	Li Ferro Phosphate (LiFePo4) batteries of capacity 12.8 Volt, 400Ah @, (12.8V, 100 Ah x 4 nos.) for each High Mast. With cells in a suitable weather resistant enclosures and sophisticated designed battery management system (appropriate over charging, over heating deep discharge protection) without paralleling battery bank. Battery should be in IP-65 enclosure
<b>Light Source</b>	White Light Emitting Diode (W-LED) flood light 4*50Watt (LED +Driver) DC operated confirming to IP65 or above with proper dimmer arrangement Using LEDs which emits ultraviolet light will not be Permitted
<b>Light Output</b>	White color (color temperature 5500-6500 K). Lumen efficiency of LED- min 140 lumens/Watt. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.
<b>Pole (Minimum 80 Microns)</b>	6M Long, polygonal Raising lowering mast shaft in Single section Suitable for basic wind speed 50 m/sec (180 Km/Hr) complete with head frame, Luminaries carriage suitable to install 4 nos. Luminaries, Solar Panels & battery on the top of the mast .There should be provision to install the type tested Winch inside the mast for raising & lowering of complete solar lighting system along with compact unit of modules through a mounting structure around the pole including hardware. The mast must be hot dip galvanized 20 sided polygonal structure having Bottom A/F minimum Dia 330 mm and top A/ F Dia 150 mm of 3 mm thick. The high mast should have a designed life of 25 years.

<b>Installation of System</b>	<p>The system should be properly installed at site. The SPV module mounting structure along with polygonal pole should be properly grouted depending upon the location and requirement of the site. The grouting should be such that it should withstand the maximum wind speed /storm of 180 kmph. The pole should rest on a suitable RCC foundation. Of (RCC Foundation minimum size of 900 mm x900 mm x 1500 mm deep and 600 mm above the ground level. Must have min 6 nos. foundation bolts of min 1000 mm &amp; 24mm dia.) Adequate space should be provided behind the PV module/array for allowing un-obstructed air flow for passive cooling. Cables of appropriate size should be used to keep electrical losses to a bare minimum. All wiring should be in a proper conduit or capping case. Wire should not be hanging loose. Any minor items which are not specifically included in the scope of supply but required for proper installation and efficient operation of the SPV systems is to be provided by the manufacturer as per standards.</p>
<b>Stainless Steel Wire Rope</b>	<p>Wire rope of Grade AISI 316 grade, 7/19 construction, with two ropes continuous min.6 mm diameter and breaking load capacity min. 2000 kg x 2. The breaking load test report obtained from govt. laboratory of the wire rope should justify the desired breaking load capacity.</p>
<b>Raising and Lowering lighting mast</b>	<p>Manual pulley system</p>
<b>Electronics Efficiency</b>	<p>Minimum 85% total</p>
<b>Autonomy</b>	<p>3 days or minimum 30 operating hours per permissible Discharge .</p>