

**WALCHAND COLLEGE OF ENGINEERING,
SANGLI**

TENDER DOCUMENT



Tender for Solar street lights in college campus at WCE, Sangli

Prebid Meeting

06th August 2018 at 3:30 pm

LAST DATE OF RECEIVING

9th August 2018 at 1:30 pm

DATE OF OPENING THE TENDER

09th August 2018 at 3.30 pm

All above events will be conducted at Conference Hall, Main Building, First Floor, WCE, Sangli

Three Envelopes Tender

- a. Envelope No 1 = All qualification documents and Demand Drafts of EMD & Cost of tender form.
- b. Envelope No 2 = Signed and stamped tender form with cost details.
- c. Envelope No 3 = Containing above two envelopes with full address, contact no and title of work.

Bill of quantities/ APPROXIMATE QUANTITY AND ABSTRACT SHEET

Name of the agency:

Address:

Phone No:

Tender for Solar street lights in college campus

I No	Item	Qty	Rate	Per	Amount
1	Supply, Installation and commissioning of Solar Street Light (Single Arm) with 05 year warranty as per specification as mentioned in the tender form etc complete as directed by engineer incharge				
		20	25000.00	No	500000.00
2	Supply, Installation and commissioning of Solar Street Light (Quadra Arm) with 05 year warranty as per specification as mentioned in the tender form etc complete as directed by engineer incharge				
		5	27500.00	No	137500.00
Total cost of work Rs.					637500.00

We agree to execute the above works in accordance with the approved drawings and technical Specifications at % _____ above/below to estimated cost of above estimate i.e. total price of Rs. _____ as mentioned in above bill of quantities i.e., for a total contract (Rs. _____ amount in words).

Signature of
Bidder

Technical Specification of the Solar Street Light:

1. A total 31 Solar Street Light (SSL) System (Standalone) is to be supplied to WCE.
2. All these SSL are to be installed & commissioned at WCE residential campus. Transportation of the materials to the site is the responsibility of the vendor.
3. The location for installation will be specified by WCE. The civil work related to the installation the pole is to be done by the vendors including material and manpower.
4. The specifications of Single Arm- Solar Street Light System (Standalone) is as follows:
 - a) The luminary shall be of LED lamp of 20 Watt (Quantity: 1). It shall be sealed, rugged with corrosion resistance and insect ingress protection. The Make of LED fittings may be any one from the followings:
Philips, Osram, GE Lighting, Trilux, iGuzzini, Schreder, Endo Lighting, Lighting Technologies, Wipro, Bajaj, K-Lite, Surya, Havells
 - b) Autonomy shall be of minimum 02 days.
 - c) Intelligent dusk and dawn dependent operations (automatic ON/OFF system)

- d) Height of the pole shall be maximum 6 meter. Pole shall be pre-galvanized and painted. Arm of suitable length may be extended from the pole to hold the LED fittings.
- e) Solar PV rating shall be minimum 80 Wp. The make/brand of the PV array shall be MNRE approved. It shall be fitted suitably in the pole, may be in the top of the pole.
- f) Battery shall be of low maintenance, deep-cycle, designed for solar lighting application of capacity minimum 75 Ah (Quantity: 1). The battery to be mounted on the pole with enclosure at suitable location. The Make of battery may be any one from the followings:
Exide, Amco, Panasonic, Sonnenschein, Amara
- g) All the enclosure/junction box shall be certified with IP65
- h) Solar panel shall be certified with IEC61215, IEC61730 & IEC61701.
5. The specifications of Quadra Arm- Solar Street Light System (Standalone) is as follows:
- a) The luminary shall be of LED lamp of 30 Watt each. Total quantity: 04 nos. It shall be sealed, rugged with corrosion resistance and insect ingress protection. All the luminaries shall be mounted at the top of the pole with 90 degree or specified decorative separation. The Make of LED fittings may be any one from the followings:
Philips, Osram, GE Lighting, Trilux, iGuzzini, Schreder, Endo Lighting, Lighting Technologies, Wipro, Bajaj, K-Lite, Surya, Havells
- b) Autonomy shall be of minimum 02 days.
- c) Intelligent dusk and dawn dependent operations (automatic ON/OFF system)
- d) Decorative RCC/ MS GI Coated pole as per design and drawing, height of the pole shall be maximum 9 meter. Pole shall be pre-galvanized and painted (AS PER DRAWING). Arm of suitable length may be extended from the pole to hold the LED fittings.
- e) Solar PV rating shall be minimum 130 Wp each. 04 no. of solar panel to be used. The make/brand of the PV array shall be MNRE approved. It shall be fitted suitably in the pole, may be in the top of the pole.
- f) Battery shall be of low maintenance, deep-cycle, designed for solar lighting application of capacity 120 Ah each. 04 no. of battery to be used. The battery to be suitably mounted on the pole with enclosure at suitable location. The Make of battery may be any one from the followings:
Exide, Amco, Panasonic, Sonnenschein, Amara
- g) All the enclosure shall be certified with IP65
- h) Solar panel shall be certified with IEC61215, IEC61730 & IEC61701.
6. The warranty for all the system/subsystem shall be 05 Year from the date of commissioning for all the parts including battery.

Terms and conditions:

1. The contractor should have GST registration.
2. If rain does not allow for execution of few of the items, the items will be executed immediately after rainy season without claiming any additional charges.
3. In the scope of the tender for the bill of the quantities brief specifications is included for the understanding of the tenderer, however the detailed PWD specifications of the respective item is applicable for the execution and in general consideration of the item.
4. While submitting the tender, the offer (Bid Price) must be submitted in sealed envelope and marked in the following format "Tender for Solar street lights in college campus", Company Name, Address, email, contact person, cell no. etc.
5. Your tender should be addressed to the *Director, Walchand College of Engineering, Vishrambag, Sangli - 416 415 (Maharashtra State)*.
6. Earnest Money Deposit (EMD) is Rs 7000/- in the form of Demand Drafts drawn on any Nationalized Bank in favor of 'The Director, Walchand College of Engineering, Sangli' payable at Sangli. If the tender offer is not accepted, the EMD will be refunded.

7. Envelope should contain the detailed specifications, duly signed and stamp sealed on each page otherwise it is liable for rejection.
8. The Bidder shall assure the support to maintain the work for at least 1 year for the Guarantee period.
9. Bidder shall not assign or sublet the contract to any other sub-vendor.
10. Bidder shall enclose demand draft of Rs. **2000/-** towards cost of tender form (Nonrefundable).
11. The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initializing, dating and re writing in words.
12. All duties, taxes, octroi and other levies etc. as applicable are payable by the contractor under the contract and shall be included in the total price.
13. The rates quoted by the Bidder shall be fixed for the duration of the contract and shall not be subject to escalation on any account.
14. The prices should be quoted in Indian Rupees only.
15. The Bidder should submit deviation statement (if any)
16. Each Bidder shall submit only one tender.
17. **Supplier should enclose his latest valid Income Tax clearance certificate along with his valid PAN No, list of works complete in last three years, list of tools, plants, equipment's and manpower along with him and solvency if needed.**
18. Proper measures/ precautions are to be taken on site during the execution of works. Accidental loss of any kind will be borne by contractor.
19. Rights to change quantity, any clause fully or partially in the terms and conditions mentioned above and right to cancel any Tender without giving any reason is reserved with Director, Walchand College of Engineering, Sangli.

Validity of Tender

1. Tender shall remain valid for a period not less than 45 days after the deadline date specified for submission.
2. The Employer will evaluate and compare the tenders determined to be substantially responsive i.e. which
 - (a) are properly signed ; and
 - (b) Conform to the terms and conditions, and specifications
 - (c) Evaluation and Comparison of bids shall be done on basic price with charges like transportation, freight and insurance, etc. including all taxes. Thus rate should be given clearly indicating unit rates.
 - (d) Any conditional tender will not be accepted
 - (e) Quantity of the items may vary as per requirement at the time of purchase order or during execution.

Evaluation of Tenders

The Employer will evaluate and compare the tenders determined to be substantially responsive i.e. which

- (a) Meet the qualification criteria specified in clause 2 above;
- (b) Are properly stamped and signed; and
- (c) Conform to the terms and conditions, specifications and drawings without material deviations.

Award of contract

1. The Employer will award the contract to the bidder whose tender has been determined to be substantially responsive and who has offered the lowest evaluated tender price.
 - i. Notwithstanding the above, the Employer reserves the right to accept or reject any tenders and/or to cancel the bidding process and/or reject all tenders at any time prior to the award of contract.
 - ii. The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the tender validity period. The terms of the accepted offer shall be incorporated in the purchase order.

2. **The completion of all the items should be within 30 days from the date of work order.** The work duration is essence of work contract.
3. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ Rs. 2000/- per day, this will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2 % of the contract amount.

Payment

Payment will be made as 95% against virtual completion at site after billing and recording. The remaining 5% as “Performance Security” payable at the end of warranty period or on submission of 5 % of the Bank Guarantee or will be deducted from bill and undertaking for the said amount.

Payment on completion of approx. 50 % of the total work (After submission of RA Bill by the contractor and due certification by engineer incharge after deducting 5% security deposit)
Remaining payment on completion of total work (After submission of Final Bill by the contractor and due certification by engineer incharge after deducting 5% security deposit and taxes as applicable)

Warranty

Normal commercial warranty/ guarantee shall be applicable to the completed items for 12 months from date of satisfactory completion/acceptance.

All legal disputes are subject to the Jurisdiction of Sangli court only.

Director
Walchand College of Engg.,
Vishrambag, SANGLI 416415
(MAHARASTRA)
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