

TENDER

For

SOLAR PV PROJECT FOR CAFETERIA AT COEP ACADEMIC CAMPUS

COEP/BWC/EWC/SOLAR PROJECT/CAFÉ/2017/324

dated 15/11/2017

Bid Price: 1000/-

INVITATION of Tender FOR

SOLAR PV PROJECT FOR NEW CAFETERIA AT COEP ACADEMIC CAMPUS

1. You are invited to submit your most competitive bid for the following.

Sr. No	Title	Brief description																								
1	<p>Installation of Roof-Top Solar PV System at Cafeteria of COEP , near Electrical Department (Water proof Roofing)</p>	<p>College of Engineering Pune wishes to install Roof Top Solar PV systems at New cafeteria building at its academic campus. The project mainly aims to generate around 80 kW Power using solar PV panels and using it to feed the related load of the cafeteria as well as other loads of the institute along with Net metering facility. The project is intended for study and research purpose in the domain of "Renewable Energy with Smart Technology" for Master and Ph.D. Scholars.</p> <p>The institute is looking for a bidder for carrying out the work on CAPEX basis for the Grid-Tied Solar Captive Rooftop Plant (Approximately 80 kWp) for Cafeteria of College of Engineering, Pune with following Technical Details:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr. No</th> <th style="text-align: center;">Components</th> <th style="text-align: center;">Make</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>280 Wp dual glass 60 cell solar module with module efficiency of 17 % .</td> <td>Trina Solar Mode; : TSM PEGS / Renewsys / PV Powertech or similar make</td> </tr> <tr> <td style="text-align: center;">2</td> <td>50 kW string inverter with peak efficiency of 98.6% having RS485 interface</td> <td>Delta /INVT or similar make Model ROI- M50A</td> </tr> <tr> <td style="text-align: center;">3</td> <td>30 kW string inverter with peak efficiency of 98.2% having RS485 interface</td> <td>Delta /INVT or similar make Model ROI- M30A</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Module mounting structure</td> <td>Span /GECKOor similar make</td> </tr> <tr> <td style="text-align: center;">5</td> <td>DC cables – 4mm² (Copper)</td> <td>Siechem or Polycab similar make</td> </tr> <tr> <td style="text-align: center;">6</td> <td>AC cables – As per design</td> <td>Polycab /KEI/Havells or similar make</td> </tr> <tr> <td style="text-align: center;">7</td> <td>BoS items such as MC4 connectors, cable trays, PVC pipe , protection devices and other hardware components</td> <td>Schneider /or similar make</td> </tr> </tbody> </table>	Sr. No	Components	Make	1	280 Wp dual glass 60 cell solar module with module efficiency of 17 % .	Trina Solar Mode; : TSM PEGS / Renewsys / PV Powertech or similar make	2	50 kW string inverter with peak efficiency of 98.6% having RS485 interface	Delta /INVT or similar make Model ROI- M50A	3	30 kW string inverter with peak efficiency of 98.2% having RS485 interface	Delta /INVT or similar make Model ROI- M30A	4	Module mounting structure	Span /GECKOor similar make	5	DC cables – 4mm ² (Copper)	Siechem or Polycab similar make	6	AC cables – As per design	Polycab /KEI/Havells or similar make	7	BoS items such as MC4 connectors, cable trays, PVC pipe , protection devices and other hardware components	Schneider /or similar make
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The prospective bidder should submit the bid in the following format :

Commercial Bid : Part A

Sr. No.	Descriptions	Units	Bid Price in Rs.
1	Basic cost for “Supply, Installation, Design, Testing & Commissioning of 82.32 kWp Solar PV Rooftop generation or CAPEX Model with grid connectivity and net metering” (Project Cost)	1 Job	
2	Central Financial Assistance from MEDA(30%)	1	
3	Taxes in Rs		
4	Total Net Cost inclusive of all taxes in Rs		
	Commercial Bid : Part B		
5	Additional cost for the structure for cleaning / maintenance of the solar panels.	Rs.	
6	Operational and Maintenance Charge per year - (offer shall valid for next 10 years)	Rs.	
	Additional Design Details :		
a	Annual solar generation	kWh.	
b	Savings (for 1st year)	Rs.	
c	Payback Period	Months	

The offer is inclusive of all taxes, levies and any other charges .

Terms and Conditions for the Bid:

- The project is to be carried out on **CAPEX** basis.
- Liaisoning with MSEDCL/MEDA and other Govt. agencies for applicable subsidies for this project must be provided by the bidder, as the part of this bid. The institute will provide the support for this work in accordance with the required official formalities. The energy usage , connection to supply grid . (Net Metering).
- The bidder should provide a Performance Guarantee of minimum 5 years for this Project. A security deposit of 10% of the project cost will remain with the purchaser, which may be released after the completion of the Guarantee period.

- The solar panel will serve the purpose of roofing to cafeteria . It is responsibility of bidder that the said roofing is completely water proof . No leakages would be accepted . One monsoon season will be checked for its authenticity and ensured the claim . The relevant documents should be submitted to confirm the specifications .
- The bidder has to visit the actual site and inspect the physical infrastructure and also include in his Bid the necessary cost for the structure for the walkways, water connections etc. for routine cleaning and maintenance of the solar panels. Bidder should consider price of this work and include it in his Bid.
- The project shall be designed as per MNRE guidelines for rooftop solar power and should comply to all existing regulations for net metering stipulated by MERC/MAHADISCOM.
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The schedule for the bidding process is as follows:

Date of inviting the quotations	15/11/2017
Last date of submitting the sealed quotation to the office of COEP	05/12/2017 [upto 5:00 pm]
Opening of the quotations	06/12/2017 [11:00 am]
Validity of quotation	Minimum 45 days
Delivery Period	90 days from the acceptance of Work Order

2. **Bid Price**

- a) The bidder should be individual expert or firm registered as a channel partner with MNRE/MEDA with experience of execution of at least one such project/s in the last two years.
- b) All duties, taxes and other levies payable shall be included in the total price. However, break-up of the basic price and taxes/duties shall be indicated clearly.
- c) The bidders will be evaluated on the total price for the project inclusive of all costs.
- d) The Prices should be quoted in Indian Rupees only.

3. **Validity of Bid**

Quotation shall remain valid for a period not less than 45 days after the due date specified for submission.

4. **Evaluation of Bids**

The purchaser shall evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed ; and
- (b) Conform to the terms and conditions.

5. **Award of contract**

The Purchaser shall award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

5.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotation and to cancel the bidding process and reject all bids at any time prior to the award of contract.

5.2 The bidder whose bid is accepted shall be notified of the award of contract by the Purchaser prior to expiration of the tender validity period. The terms of the accepted offer shall be incorporated in the purchase order.

5.3 : Bid price shall be deposited in the form of cheque Drawn in favour of " Director , College of Engineering ., Pune , payable at Pune . The details of this invitation for bids and the relevant Bidding Document are available on Web site www.coep.org.in and bidders can download the document. Payment towards the cost of bid document and EMD shall be deposited by RTGS in the Account of COEP.

Name of the Bank – Sate Bank of India,

A/c No – 110 994 649 77

Name of the Account – Director COEP

IFS Code – SBIN0010431

MICR Code – 411002060

Branch Code – 10431

While submitting the bid document, the Scan Copy of RTGS/NEFT receipt towards the cost of tender should be attached.

6. You are requested to provide your offer in sealed envelope to **HOD, Electrical Engineering Department , College of Engineering , Shivajinagar , Pune - 411 005** latest by **5th December 2017**. The bidder shall seal the bid in an envelope addressed to The Director, College Of Engineering, Pune, The envelope will also bear the following identification :-

Bid for "Installation of Roof-Top Solar PV System at Cafeteria of COEP , near Electrical Department (Water proof Roofing)" Put ref No: COEP/BWC/EWC/SOLAR PROJECT/CAFÉ/2017/324 dated 15/11/2017 " at the right hand corner of the sealed envelope" and state , "Do not open before 11.00 AM on 06/12/2017"

For any additional information , please contact : hod.elec@coep.ac.in ; ph : 020-25507111 (O)

7. The bidder has to complete the job within the prescribed schedule . A penalty of 1 % will be charged per week , will be imposed for delayed receipt of the deliverables. to the maximum value 5% of cost of the project work .
8. Conditional tender will not be accepted.

Director

College of Engineering, Pune .