



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर-81, नॉलेज सिटी, प० ओ० मनोली, एस० ए० एस० नगर, मोहाली, पंजाब 140306

**INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI**

(Established by Ministry of Human Resource Development, Govt. of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K GSTIN No:- 03AAAAI1781K2ZS

• Phone : +91-172-2240086 & 2240121 • Fax : +91-172-2240124, 2240266 • <http://www.iisermohali.ac.in> • Email: [stores@iisermohali.ac.in](mailto:stores@iisermohali.ac.in)

CPPP/Institute Website

IISERM (1269)19/20Pur

Dated: 13<sup>th</sup> September 2019

## **NOTICE INVITING E-TENDER**

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply and installation of Photovoltaic System (1 KW off-grid Solar Power System with Accessories)** as per technical specification and details given below and BOQ list from the original manufacturer/supplier at CPPP i. e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website [www.iisermohali.ac.in](http://www.iisermohali.ac.in).

-sd-

(Mukesh Kumar)  
Assistant Registrar (P&S)



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## **E-TENDER NOTICE**

Tender Ref.- IISERM(1269)19/20Pur

Dated :- 13<sup>th</sup> September 2019

### **Critical Date Sections**

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	13 <sup>th</sup> Sept 2019	6:00pm
2.	Tender Document download start Date & Time	13 <sup>th</sup> Sept 2019	6:00pm
3.	Bid Submission start Date & Time	13 <sup>th</sup> Sept 2019	6:00pm
4.	Bid Submission End date and Time	03 <sup>rd</sup> Oct 2019	Upto 11:00am
5.	Tender opening Date and Time	04 <sup>th</sup> Oct 2019	At 11:30am

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and commercial separately} for the following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website [www.iisermohali.ac.in](http://www.iisermohali.ac.in). Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs 2,000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summerly.

### **The Original EMD and Tender Fee should be sent to:**

Assistant Registrar (S&P)  
Indian Institute of Science Education and Research Mohali  
Sector-81, Knowledge City, SAS Nagar, Mohali, Punjab,  
India, Pin: 140306

**Non-receipt of original EMD and Tender Fee will lead to rejection of tender.**

**Item Details: -**

Sr.	Description	Qty. (in units)
1.	<p data-bbox="231 224 1308 291"><b>Supply and installation of Photovoltaic System (1 KW off-grid Solar Power system with Accessories)</b></p> <p data-bbox="231 324 550 358"><b><u>Technical Specifications:</u></b></p> <ol data-bbox="231 369 1308 1892" style="list-style-type: none"><li data-bbox="231 369 1308 571">1) A requisite number of PV modules/panels for 1KW off-grid photovoltaic system/solar power plant or three modules of 335 W capacity, Poly-Crystalline and must be certified with the latest IEC standards; GI structure as per the MNRE Specifications. IV curve of each PV module with serial numbers should be submitted along with Modules. Type of solar PV modules offered should have a proven performance track record in Indian climatic conditions.</li><li data-bbox="231 604 1308 772">2) Suitable panel mounting or array structure should be made up of corrosion-resistant hot-dip galvanized MS. Minimum thickness of galvanization should be at least 80 microns. It should be supplied with all accessories. The array structure shall be so designed that it occupies minimum space without sacrificing the output from PV modules &amp; shall withstand winds at local conditions.</li><li data-bbox="231 806 1308 873">3) 2 KVA Off-Grid 24V smart Inverter with digital display (1 No.) with more than 95% efficiency</li><li data-bbox="231 907 1308 974">4) Solar Battery 12V, 200Ah (2 Nos.) - Input voltage range: 110-290V AC, Output Voltage and Frequency: 220V AC and 50-60 Hz</li><li data-bbox="231 1008 1308 1075">5) The system should possess adequate protection against overload, output short circuit, battery reverse, low battery, and solar reverse</li><li data-bbox="231 1108 1308 1243">6) Appropriate size PVC copper cables from Modules to the Inverter - High-quality standard IEC/IS/BIS certified, UV-Protected and Sunlight/rain Protected (length as required on-site). All connections should be made through suitable cable/lug/terminals; crimped properly &amp; with use of Cable Glands.</li><li data-bbox="231 1276 1308 1344">7) The system should be supplied with Lightning arrester/protection and Earthing wire – AC, DC, along with structure</li><li data-bbox="231 1377 853 1411">8) Working temperature range: -15 to 55 °C (±5 °C)</li><li data-bbox="231 1444 1308 1579">9) Any other accessories (e.g., interconnect cables, Junction boxes, Distribution boxes, switches, and other miscellaneous items) that are required for complete installation and smooth functioning of the system along with spares and tools needed for the maintenance of the system as per the warranty period should also be supplied.</li><li data-bbox="231 1612 1308 1747">10) <b><u>Warranty:</u></b> Product warranty against manufacturing defects for at least 5 years; For Modules/panels - 90% Peak output warranty for at least first 10 years and 80% Peak power warranty for the next 25 years, For Batteries - at least 5 years, For Inverter - at least 6 years, For GI structure – more than 25 years</li><li data-bbox="231 1780 1308 1892">11) Free maintenance services should be provided by the supplier during the warranty period. These include Preventive &amp; Routine Maintenance and Breakdown and corrective maintenance.</li></ol> <p data-bbox="231 1926 478 1960"><b><u>Important notes:</u></b></p> <ol data-bbox="231 1993 837 2027" style="list-style-type: none"><li data-bbox="231 1993 837 2027">a) Vendor should have ISO 9001 Certification.</li></ol>	01

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|  | <ul style="list-style-type: none"> <li>b) All the requirements laid down under the above specifications must be carefully read and understood before claiming your equipment as “complied”.</li> <li>c) Please provide compliance statement sheet with technical bid and any deviation in the above-mentioned specifications should be clearly highlighted in remarks.</li> <li>d) Vendor should have installed at least 3MW capacity solar power plants in India. User list should be attached.</li> <li>e) Valid published supporting documents should be submitted along with the technical bid.</li> <li>f) The vendor should have office or agents in India. Qualified technical and service personnel should be available in/around nearby region of the installation site in India.</li> <li>g) Price should be quoted <b>FOR</b> destination and should include freight, installation and any other miscellaneous charges.</li> </ul> |  |
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**NB:-**

- I. **The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company.**
- II. **Kindly do not quote End of Life Model.**

### **SUBMISSION OF TENDER**

- I. All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not be accepted.
- II. The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.
- III. The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also bidders applying against ‘MSME/NSIC Certificate’ issued by appropriate Authority, should ensure that the certificate attached is relevant to the area of service/supply. For example, If the tender is for “supply & installation of Desktop” the certificate should be issued for activity/area of “Computer supply and services activities etc” otherwise bid will be REJECTED without notice.**
- V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

### **INSTRUCTIONS**

- 1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.
- 2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will

not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.

3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.
4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
5. THE INSTITUTE IS EXEMPTED FROM CUSTOM DUTY under notification no- TU/V/RG/-CDE(1062)/201 CUSTOM DT.30.08.2016.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
8. Bidder/s quoting in currency other than **Indian Rupee (INR)** should explicitly mention the currency in which tender quoted wherever applicable in Technical Bid along the tender documents.
9. The delivery period should be specifically stated. Earlier delivery will be preferred.
10. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
11. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.
12. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
13. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

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(Mukesh Kumar)  
Assistant Registrar (P&S)