



# NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY

(An Institution of National Importance under Ministry of Human Resource Development, Govt. of India)

THIRUVETTAKUDY, KARAIKAL - 609 609, INDIA.

## NOTICE INVITING TENDER FOR SUPPLYING LABORATORY EQUIPMENT TO DEPARTMENT OF MECHANICAL ENGINEERING

TENDER SUMMARY	
Tender Reference Number and Date	<b>NITPY/2021/MECH/LEP/TEII/SMM/009 Dated 03.03.2022</b>
Description of the Tender	Supply of Solar Module Measurement – Laboratory Equipment for Department of Mechanical Engineering
Type of Tender	E-Tender
Mode of submission of Tender	Bids (both technical and financial) and all relevant supporting documents must be uploaded through the e-procurement portal only. <b>Any Hard copy of Bid documents shall summarily be rejected.</b>
Tender Document Download & Bid submission	<ol style="list-style-type: none"><li>1. Tender documents may be downloaded from Central Public Procurement (CPP) Portal at <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> &amp; <a href="http://www.nitpy.ac.in">www.nitpy.ac.in</a>.</li><li>2. Aspiring Bidders who have not enrolled/registered in e-procurement should enroll/register before participating through the website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>.</li><li>3. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at the CPP portal.</li><li>4. Bids and supporting documents shall be uploaded through the e-procurement portal only.</li><li>5. TECHNICAL and FINANCIAL BID should be submitted only in the Online portal as per the given format.</li><li>6. All documents shall be adequately SCANNED, ensuring proper readability of the document. Any missing/no accurate readability documents will be summarily rejected, and the Bid of the respective Bidder will not be considered for evaluation.</li><li>7. Any Hard copy of Bid documents shall summarily be rejected.</li></ol>
Website address for downloading the tender document	<a href="http://www.nitpy.ac.in">www.nitpy.ac.in</a> & <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> (CPP Portal)
Tender Published Date	<b>03.03.2022</b>
Bid Submission Start Date	<b>03.03.2022</b>
Bid Submission End date	<b>24.03.2022 @ 3:00 PM</b>
Bid Opening Date	<b>25.03.2022 @ 3:00 PM</b>
Validity of Bid	90 days

Documents Needed	<p>The following scanned copy of the original documents should be uploaded to the CPP portal</p> <ul style="list-style-type: none"> <li>• Authenticated company registration certificate.</li> <li>• The details of the company including postal address, telephone &amp; fax numbers, and email address.</li> <li>• Proof of any type towards original equipment manufacturers (OEM)/authorization letter from OEM.</li> <li>• Original photos and images of the manufacturing plant as proof of OEM.</li> <li>• GSTIN (Goods and Services Tax India) and PAN (Permanent Account Number) of the company.</li> <li>• Turnover statements of the company in the last three years (Apr 2018 – Mar 2021).</li> <li>• Income-Tax return statements for the last three years (Apr 2018 – Mar 2021).</li> <li>• Datasheet with complete technical details, Brochures, and Technical Compliances Sheet of the quoted equipment as per the tender requirements.</li> <li>• Warranty undertaking letter on company letterhead.</li> <li>• Purchase Order copies/Execution Proof of similar equipment during the last three years (Apr 2018 –Mar 2021).</li> <li>• BOQ (Bill of Quantities) as per the given format.</li> <li>• Duly filled and signed checklist by the supplier.</li> </ul>
Date and time of opening of Financial Bids	After evaluating technical bids, the schedule of opening the Financial Bids will be intimated only to the technically qualified bidders.
Performance Guarantee & Security Deposit	<ul style="list-style-type: none"> <li>• The Successful Bidder must furnish Performance Security equivalent to 3% of the total value of the equipment. The Performance Security will be returned after the “Warranty Period”.</li> <li>• The Performance Security may be allowed to obtain either the bank guarantee or depositing the amount under SBI Collect.</li> </ul>

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## CHAPTER 1: NOTICE INVITING TENDER

- 1.1 National Institute of Technology Puducherry (NIT-Py) invites Bids from Original Equipment Manufacturers/Authorized Dealers for the following items through open E-Tender.

S. No.	Description of Item	Quantity
1.	Solar Module Measurement	01

- 1.2 The eligible bidders must supply all the items with the technical specifications mentioned in Annexure 1. Evaluation of the Tender will be based on lot wise and not based on individual item wise.
- 1.3 Technical Bid and Price Bid should be submitted only in the Online CPP portal as per the given format.
- 1.4 This Tender is invited only from Original Equipment Manufacturers (OEM)/Authorized Dealers.
- 1.5 Company R&D labs in India with strong and quick service (within 48 hours) support team for smoother functioning and proper service of the instrument.
- 1.6 A scanned copy of the following original documents must be uploaded in the CPP Portal.
- 1.6.1 Authenticated company registration certificate.
- 1.6.2 The details of the company including postal address, telephone, fax numbers, and email address.
- 1.6.3 Proof of any type towards Original Equipment Manufacturers (OEM) / Authorization letter from the OEM.
- 1.6.4 Original photos and images of the manufacturing plant as proof of OEM.
- 1.6.5 GSTIN and PAN of the company.
- 1.6.6 Turnover statements of the company in the last three years (Apr 2018 – Mar 2021).
- 1.6.7 Income-Tax return statements for the last three years (Apr 2018 – Mar 2021).
- 1.6.8 Datasheet with complete technical details, Brochures, and technical compliances sheet of the quoted equipment as per the tender requirements.
- 1.6.9 Warranty undertaking letter on company letterhead.
- 1.6.10 Purchase Order copies / Execution Proof of the quoted model during the last three years (Apr 2018 – Mar 2021).
- 1.6.11 BOQ as per the given format.
- 1.6.12 Duly filled and signed checklist by the supplier.
- 1.7 The percentage of GST (CGST/SGST/IGST) rate applicable shall be given separately for each item mentioned in the proposal. Concessional rate of GST as applicable at 5% shall be considered for Research & Development Institutions as per Notification No. 45/2017 dated 14.11.2017.

- 1.8 Brand / Price of each item and the Percentage of GST applicable.
- 1.9 Commercial aspects like price etc. should be furnished in the commercial bid only and any information about the price mentioned in the technical bid will be disqualified.
- 1.10 Delivery & Installation: (i) Free at NIT-Puducherry ii) Delivery Period required.
- 1.11 At the time of Installation, detailed operation and training for maintenance must be given to our Technical Staffs at NIT-Puducherry at free of cost by the supplier.
- 1.12 Period of warranty as per the technical specifications mentioned in Annexure – I from the date of commissioning.
- 1.13 Special discount, if any, for R&D institutions for their research purpose/educational purpose.
- 1.14 **Validity of quotation:** Validity should be a minimum period of 90 days from the date of opening of Tender/quotation
- 1.15 **Payment Terms:** 97% payment shall be made at the site against delivery, Installation, commissioning, and acceptance as per purchase order, and the balance of 3% shall be made after receipt of performance bank guarantee from any nationalized bank. If no bank guarantee is given, the balance of 3% will be paid after the warranty period plus two months. The bidders should not claim any additional cost for the Installation of Active & Passive components under this Tender. Payment shall be made upon receipt of the following documents.
  - 1.15.1 Invoice
  - 1.15.2 Warranty Certificate from letterhead
  - 1.15.3 Escalation Matrix for Technical support
  - 1.15.4 Installation report

## **CHAPTER 2: QUALIFICATION CRITERIA**

- 2.1 The vendor should be of National/International repute. The vendor must be an Original Equipment Manufacturer (OEM). In case of the vendor being the authorized dealer(s)/representative(s) for sales and service, an appropriate authorization letter from OEM should be provided.
- 2.2 The vendor should have authenticated registration in India under the Companies Act 1956, with an existence of 10 years or above and Certificate of Incorporation must be attached.
- 2.3 The Average Annual Turnover of the vendor during the last three years (ending 31<sup>st</sup> March 2021) should not be less than Rs. 1,00,00,000/- (Rs. One Crore). A printed copy of the Annual Accounts duly audited and certified by the Chartered Accountant must be enclosed with the Technical Bid. In case no turnover in one or more years would also be considered for working out by taking average turnover.
- 2.4 The vendor should have experience in the supply of similar equipment (as per the technical details mentioned in Annexure – I) worth Rs. 50,00,000/- or above during the last 3 years (April 2018 to March 2021) to reputed educational institutions such as IITs/NITs/IITs/CFTIs/Internationally Reputed Institutes, and Government Organizations. Copies of Purchase Order obtained from the above-mentioned organizations should be submitted along with the technical Bid.
- 2.5 Performance Certificate & Successful Installation report from 2 Indian Users (Educational/Government Organizations) of similar equipment must be provided in the technical bid along with the customer contact details.
- 2.6 User list of at least 5 Indian Users (Educational/Government/Reputed Organizations/ Research Labs/CFTIs) of similar quoted equipment must be provided.
- 2.7 The equipment must comply with all relevant ISO (International Organization for Standardization) & other National and International Standards.
- 2.8 Compliance matrices of tender specifications and supplier specifications must be provided along with the technical bid. The party must give a detailed description of the items against each tender specification and numerical values of the offered system wherever applicable (a simple comply/not comply statement will not suffice).
- 2.9 Based on the “complied” statement offered by the vendor in the compliance matrix, it is deemed as part of the quotation. During the supply, the vendor cannot claim that it is not part of the quotation.
- 2.10 All essential accessories for the satisfactory operation of the equipment are to be included and listed in the offer of the technical bid itself. Any additional accessories should be offered separately.
- 2.11 The vendor should furnish detailed technical specifications of the offered model and its respective catalogues, sketches/photographs, and accessories/attachments in English along with the technical bid. It will be compared with the tendered specifications and if any discrepancies are found the vendor shall be disqualified.

- 2.12 The vendor should have their own service center in India and should have sufficient number of experienced service Engineers (proof should be attached along with the contact details) in their roles.
- 2.13 The vendor shall be in a position to provide prompt after-sales service and spare support for the equipment.
- 2.14 The vendor should quote all the tendered items with the full detailed compliance sheet and datasheet with self-attestation by the OEM/Authorized dealer(s)/Representative(s). Bids for partial supply will not be entertained.

### **CHAPTER 3: TENDERING PROCESS**

- 3.1 The tender document and terms and conditions can be downloaded from our website [www.nitpy.ac.in](http://www.nitpy.ac.in) under tenders and notices link / <https://eprocure.gov.in/eprocure/app> in CPP portal.
- 3.2 Bids and supporting documents shall be uploaded through the e-procurement portal only. TECHNICAL and FINANCIAL BID should be submitted only in the Online portal as per the given format.
- 3.3 All essential documents shall be SCANNED properly, ensuring the proper readability of the document. Any missing/no proper readability documents will be summarily rejected, and the Bid of the respective bidder will not be considered for evaluation.
- 3.4 Any Hard copy of Bid documents shall summarily be rejected. The tenders submitted by Telex/Telegram/Fax/E-mail etc., shall not be accepted and will be summarily rejected.
- 3.5 The Bidders are advised to study the tender document thoroughly. Submission of Tender shall be deemed to have been done after careful study and examination of the tender document with the full understanding of its implications. In case of doubt, written clarifications shall be obtained, but this shall not be a justification for late submission of the Bid or request for extension of the due date. Offers should strictly be in accordance with the tender terms and conditions and our specifications.
- 3.6 In case, an unscheduled holiday occurs, the prescribed closing/opening date shall be the next working day for closing/opening the Bid.
- 3.7 NIT-Puducherry shall not take any responsibility for any tenders submitted after the closing date and time.
- 3.8 Price bid will be opened only for tenderers who have qualified in technical bid evaluation. The date of opening of the price bid will be informed in the online portal to the agencies qualified in the technical Bid.
- 3.9 Printed condition at the back of the letter or Bid from the tenderer will be ignored. If the bidders desire to have any clarification regarding the conditions of the Tender, the tenderer should raise such issues in writing to Competent Authority of NIT-Puducherry.
- 3.10 NIT Puducherry reserves the right to revise the terms and conditions of the Tender at any time of the period.
- 3.11 Making, misleading or false representations in the bid document will lead to disqualification of the bidder.



## CHAPTER 4: GENERAL TERMS AND CONDITIONS

- 4.1 Any deviation with respect to the technical specifications provided in **Annexure -1 will summarily be rejected from technical evaluation. Deviation on the lower side will be summarily rejected from the technical evaluation.**
- 4.2 The Bid is invited only from Original Equipment Manufacturers/Authorized Dealers, to ensure this, **the institute can take necessary steps such as factory/manufacturing plant visits, etc. by the constituted committee. The committee will visit the vendor source / their customer site where they have supplied the same equipment for inspection before order placing and contract signing.**
- 4.3 **Delivery Period / Timelines:**
- 4.3.1 The deliveries and Installation must be completed within 18 – 20 weeks from the date of the purchase order. Time is the essence of the contract. It is mandatory for the bidders who responded to this Bid to meet this expectation. The rates against each item as per the serial number(s) of the enquiry shall be quoted for the free delivery at the National Institute of Technology Puducherry, Karaikal-609609
- 4.3.2 NIT Puducherry will not provide any accommodation/transportation for the engineers/representatives for attending Installation, commissioning, and demonstration work. It is the absolute responsibility of the principal OEM to make their own arrangements.
- 4.4 **Installation:**
- 4.4.1 Bidder shall be responsible for installation/demonstration as applicable and for after-sales service during the warranty and thereafter.
- 4.4.2 Installation and demonstration are to be arranged by the supplier free of cost, and the same are to be done within 30 days of the arrival of the equipment at the site.
- 4.5 **Price:** The price quoted shall be considered as fixed, and no price escalation will be permitted. The quote should be for Destination at National Institute of Technology Puducherry, Thiruvettakudy, Karaikal – 609 609, Union Territory of Puducherry.
- 4.5.1 The firm should quote all the items as a whole package; otherwise, the firm will not be considered for further process.
- 4.5.2 The packing, forwarding, freight, insurance, and commissioning charges, if any extra may be quoted separately in commercial Bid.
- 4.5.3 The actual sales tax percentage (without form “C”), if any, should be specified.
- 4.5.4 Price should be quoted only in Indian rupees.
- 4.6 **Warranty / Support:**
- 4.6.1 The Items supplied shall carry the comprehensive warranty as per the “technical specifications mentioned in Annexure – I” from the date of acceptance of the equipment.
- 4.6.2 The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, customs duty, local taxes, if any, and should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.
- 4.7 **Payment Terms:** 97% payment shall be made at the site against delivery, Installation, commissioning, and acceptance as per purchase order, and the balance of 3% shall be

made after receipt of performance bank guarantee from any nationalized bank. If no bank guarantee is given, the balance of 3% will be paid after the warranty period plus two months. The bidders should not claim any additional cost for the Installation of Active & Passive components under this Tender. Payment shall be made upon receipt of the following documents.

4.7.1 Invoice

4.7.2 Warranty Certificate from letterhead

4.7.3 Escalation Matrix for Technical support

4.7.4 Installation report

4.8 **Indemnity:** The vendor shall indemnify, protect and save NIT Puducherry against all claims, losses, costs, damages, expenses, action suits, and other proceedings, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc., or such other statutory infringements in respect of all the items supplied by him.

4.9 **Freight and Insurance:** The items to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at NIT-Puducherry.

4.10 **Penalty for delayed services / LD (Liquidated Damages):**

4.10.1 As time is the essence of the contract, the delivery period mentioned in the purchase order should be strictly adhered. Otherwise, the LD clause will be applied/enforced.

4.10.2 If the supplier fails to supply and fix the item as per specifications mentioned in the order within the due date, the supplier is liable to pay LD of 1% of the order value for the delay of every week or part thereof subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.

4.10.3 NIT-Puducherry reserves the right to cancel the order in case the delay is more than 10 weeks. Penalty, as at 4.10.2 will be deducted from the security deposit.

4.11 **Jurisdiction:** The disputes, legal matters, court matters, if any, shall be subjected to Karaikal Court Jurisdiction only.

4.12 **Force Majeure:** NIT-Puducherry may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that the delay in performance or other failures to perform its obligations under the contract is the result of a force majeure.

4.13 **Arbitration:** All disputes of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc., shall be referred by either party (NIT Puducherry or the bidder) after issuance of 30 days notice in writing to the other party clearly mentioning the nature of the dispute and will be referred to the arbitrator to be nominated by The Registrar, NIT-Puducherry, Karaikal. The venue for arbitration shall be Karaikal, Union Territory of Puducherry, India.

4.14 **Interpretation of the clauses in the Tender Document / Contract Document:** In case of any ambiguity/dispute in the interpretation of any of the clauses in this tender

document, interpretation of The Registrar, NIT Puducherry, Karaikal shall be final and binding on all parties.

- 4.15 The bidder should have an **OEM Certified Engineer** for the Installation and Commissioning. Engineer details with the certifications need to be attached along with the Tender.
- 4.16 Obtaining quotations from suppliers does not bind NIT-Puducherry to place orders, any terms and conditions stipulated in the quotations. Similarly, NIT-Puducherry is not binding to place orders on the lowest bid.
- 4.17 The Competent Authority reserves the right to accept or reject any /all the quotations in part or full without assigning any reasons whatsoever.
- 4.18 The prospective Bidders should register themselves in the CPP (Central Public Procurement) Portal and submit the Bids electronically through the CPP portal (<http://eprocure.gov.in/eprocure/app>.) The paper-based physical Tender submission is not permitted. Any physical tender submitted, so shall summarily be rejected.
- 4.19 Bidders are requested to visit CPP Portal for any Corrigendum upload frequently. If any Corrigendum so issued with reference to this e-tender is not complied by the bidder, NITPY shall not be responsible for any such noncompliance.
- 4.20 For Any Queries Contact/Mail: [ragu@nitpy.ac.in](mailto:ragu@nitpy.ac.in)

**Note:**

- **The committee may visit the factory site of the Manufacturer to inspect and assess the capability etc. to finalize the qualified tenderer in technical bid.**
- **Also, the committee may inspect the present Clientele of the tenderer. The suggestions and recommendations by the committee(s)/member(s) will be kept in view for qualification in the Technical Bid.**
- **The tenderer may be summoned by the committee for demonstration of the proposed product(s) to assess the eligibility, capability, and suitability of the tenderer.**

**-Sd-**  
**Registrar**  
**NIT Puducherry**

### ANNEXURE – I (Technical Specifications)

Item No.	Specifications	YES/NO	Remarks on Deviation
1.	<p><b>Solar Module Measurement</b></p> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>➤ Includes Custom LED light source having 1m x 0.5 m Target Area &amp; IV Tester.</li> <li>➤ Modular array of LED 2 Nos, Assembled in the frame. Each lamp will have a housing with built in cooling fans controlled by the main power supply.</li> <li>➤ Illumination Area: 1m × 0.5m Working Distance: &gt; 0.5 meter</li> <li>➤ Duty Cycle: Continuous</li> <li>➤ Cooling Mechanism: Forced Air</li> <li>➤ Tilting mechanism: Tilting between 0-90 degrees</li> <li>➤ Rotation: Fixed axis of rotation</li> <li>➤ Power Supply: 400V 3 phase</li> <li>➤ LED1620 957 1620W 242V S 2</li> <li>➤ Luminous flux (Luminaire): 161657 lm</li> <li>➤ Luminous flux (Lamps): 162000 lm</li> <li>➤ Luminaire Wattage: 1620.0 W</li> <li>➤ Luminaire classification according to CIE: 100</li> <li>➤ CIE flux code: 94 97 99 100 100</li> <li>➤ Fitting: 1 x LED (Correction Factor 1.000).</li> <li>➤ Electronic load IV Tester.</li> </ul> <p><u>DC E-load</u></p> <ul style="list-style-type: none"> <li>➤ Maximum voltage: 120V</li> <li>➤ Maximum Current: 30A</li> <li>➤ Maximum wattage: 150W with inbuilt USB with Iv software</li> </ul> <p>Test Report to be provided During Supply includes Uniformity &amp; temporal stability</p>		

**CHECK LIST (Mandatory Documents)**

**(To be submitted along with the Technical Bid Otherwise Bid will not be considered for Technical Bid Evaluations)**

<b>S. No.</b>	<b>Particulars</b>	<b>Yes / No</b>	<b>Page Nos.</b>
1.	Authenticated Company Registration Certificate.		
2.	The details of the company including postal address, telephone & fax numbers, and email address.		
3.	Proof of any type towards original equipment manufacturers (OEM) / authorization letter from OEM.		
4.	Original photos and images of the manufacturing plant as proof of OEM.		
5.	GSTIN (Goods and Services Tax India) and PAN (Permanent Account Number) of the company.		
6.	Turnover statements of the company in the last three years (Apr 2018 – Mar 2021).		
7.	Income-Tax return statement for the last three years (Apr 2018 – Mar 2021).		
8.	Brochure of the offered equipment along with detailed technical specifications.		
9.	Technical compliance sheet and datasheet with complete technical details of the quoted equipment as per the tender requirements with schematic diagrams, indicating each feature and optional modules in it.		
10.	The detail descriptions and specifications of the optional item(s).		
11.	Acceptance of 1 Year comprehensive on-site warranty for both equipment and labour.		--- NA ---
12.	Warranty undertaking letter on company letterhead.		
13.	User details of at least 5 Indian users of similar equipment.		
14.	Performance Certificate & Successful Installation Report from at least 2 users with similar equipment.		
15.	Purchase Order copies / Execution Proof of the quoted equipment during the last three years (Apr 2018 - Mar 2021).		
16.	BOQ as per the given format.		--- NA ---
<b>All the necessary documents of this Tender Document to be submitted with page number and self-attestation.</b>			

**Signature, Seal of the Bidder with Date**

### **NOTE/INSTRUCTIONS FOR BIDDERS**

Corrigendum / Addendum / Amendments / Clarification, etc., with respect to works, if any shall be hosted in NIT-Puducherry website only. Interested bidders / Agencies are advised to visit NIT-Puducherry Website regularly, as no separate information/advertisement shall be published in the newspaper in this regard including any postponement of tender opening date.

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