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| **institute** | **Jawaharlal Nehru Government Engineering College Sundernagar, DISTT. MANDI (HP)** |

**INVITATION LETTER**

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| **Package Code: TEQIP-III/2019/HP/jnge/101** | **Current Date: 07-Sep-2019** |
| **Package Name: JNGEC/ASH/PHYSICS LAB/2019** | **Method: Shopping Goods** |

**Sub: INVITATION LETTER FOR JNGEC/ASH/PHYSICS LAB/2019**

Dear Sir,

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **1.** | You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given as below   |  |  |  |  | | --- | --- | --- | --- | | **Sr. No** | **Item Name** | **Quantity** | **Installation Requirement (if any)** | | 1 | Hall effect experimental set up | 5 | YES | | 2 | Laser Experimental Setup | 4 | YES | | 3 | Stewart and Gees apparatus | 6 |  | | 4 | Apparatus for find e/m for electron by helical method | 6 |  | | 5 | Optical Fibre Trainer | 5 |  | | 6 | B-H Curve Experiment. | 5 |  | |

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| **2.** | | Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued. | | | | | | | | |
| **3.** | | **Quotation** | | | | | | | | |
|  | | 3.1 | | | | | | The contract shall be for the full quantity as described above. | | |
|  | | 3.2 | | | | | | Corrections, if any, shall be made by crossing out, initialling, dating and re writing. | | |
|  | | 3.3 | | | | | | All duties and other levies payable by the supplier under the contract shall be included in the unit Price. | | |
|  | | 3.4 | | | | | | Applicable taxes shall be quoted separately for all items. | | |
|  | | 3.5 | | | | | | The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. | | |
|  | | 3.6 | | | | | | The Prices should be quoted in Indian Rupees only. | | |
| **4.** | | Each bidder shall submit only one quotation. | | | | | | | | |
| **5.** | | Quotation shall remain valid for a period not less than **90** days after the last date of quotation submission. | | | | | | | | |
| **6.** | | Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which | | | | | | | | |
|  | | 6.1 | | | | | are properly signed; and | | | |
|  | | 6.2 | | | | | Confirm to the terms and conditions, and specifications. | | | |
| **7.** | | The Quotations would be evaluated for all items together. | | | | | | | | |
| **8.** | | Award of contract The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price. | | | | | | | | |
|  | | 8.1 | | | | | Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of Contract. | | | |
|  | | 8.2 | | | | | The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order. | | | |
| **9.** | | Payment shall be made in Indian Rupees as follows: | | | | | | | | |
|  |  | | |  | | **Satisfactory Acceptance - 100% of total cost** | | | | | |
| **10.** | | | Liquidated Damages (L.D):  If a supplier fails to execute the order in time as per the terms and conditions stipulated therein, it will be open to the purchaser to recover liquidated damages for delay in delivery and installation from the supplier at the rate 0.5% of the value of the order per week subject to a maximum of 10% of the total order value. The L.D charges can be increased in case of gross violation of the Purchase Order terms as decided by the Principal of the Institute. | | | | | | | |
| **11.** | | | All supplied items are under warranty of **36** months from the date of successful acceptance of items and AMC/Others is **N.A.** | | | | | | | |
| **12.** | | | You are requested to provide your offer latest by **12:00** hours on **08-Oct-2019.** | | | | | | | |
| **13.** | | | Detailed specifications of the items are at Annexure I. | | | | | | | |
| **14.** | | | Training Clause (if any) **Yes** | | | | | | | |
| **15.** | | | Testing/Installation Clause (if any) **yes** | | | | | | | |
| **16.** | | | **Performance Security:**  The supplier shall require to submit the performance security in the form of irrevocable bank guarantee issued by any Nationalized /Commercial bank for an amount of **5%** of the Invoice value within 30 days from the date of receipt of the purchase order/LC and should be kept valid for a period of 60 days beyond the date of completion of warranty period. | | | | | | | |
| **17.** | | | | Information brochures/Product catalogue (if any) may be accompanied with the quotation clearly indicating the model quoted for. | | | | |
| **18.** | | | | Sealed quotation to be submitted/ delivered at the address mentioned below, **Jawaharlal Nehru Government Engineering College Sundernagar, DISTT. MANDI (HP).** | | | | |
| **19.** | | | | The offer/bid should be submitted in one bid system as per the format mentioned in Annexure- II. | | | | |
| **20.** | | | | Bid Format: The bid comprising of following documents should be sealed in envelope mentioning **Bid for “Package Name”** on top of the envelope. The envelope must mention package no. and name. | | | | |
| **21.** | | | | Bid must include: 1.) A compliance list against the technical specifications as per Annexure-I should be provided.  2.) The Bid should be submitted as per the bid format. (Annexure-II)  3.) Proof of Registration of the bidder.  4.) Copyof and GST registration no.  5.) Signed copy of the tender document, with company seal, agreeing to the terms & conditions must be submitted.  6.) It should indicate item wise price for the items mentioned in the bid as per the format (Annexure-III).  7.) **The price quoted should be F.O.R JNGEC Sundernagar (specified lab indicated by competent authority).**  8.) All duties and other levies payable by the supplier under the contract shall be included in the unit price.  9.) The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.  10.) All duties and other levies payable by the supplier under the contract shall be included in the unit price.  11.) The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.  12.) The Prices should be quoted in Indian Rupees only.  All documentary proof must be listed on the letterhead of the company. | | | | |
| **23.** | | | | **Opening of Bids:**  Bids will be opened on the last date of receipt of the quotations at 3P.M. in presence of Purchase Committee members and representatives of the vendors (if any). | | | | |
| **24.** | | | | Tenderer or his/her authorized representative (with proper authorization letter for opening of bids) may choose to be present at the time of opening of Bids. | | | | |
| **25.** | | | | **The Institute reserves the right to reject any bid not fulfilling the eligibility criteria** | | | | |
| **26.** | | | | **Supply of Items:** Free of cost at JNGEC Sundernagar by the vendor | | | | |
| **27.** | | | | **IMPORTANT:**   1. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process. 2. Each bidder shall submit only one quotation 3. In case of any dispute, the decision of the Principal of this Institute shall be final and binding on the bidders. 4. In case the due date for submission of the tender happens to be a holiday, the same will be accepted on the next working day. 5. The Authority of JNGEC Sundernagar reserves the right to reject any or the entire tender bids received without assigning any reason thereof. 6. **Bidder should submit the tender document, duly signed and stamped on every page in token of accepted all the terms and conditions of the tender**. 7. The institute does not bind itself to offer any explanation to those bidders whose bids have not been found acceptable by the evaluation committee of the institution. 8. The bids once submitted will be the property of the institute. 9. Declaration and Authorisation form to be attached with Quotation as per Annexure IV and Annexure-V. | | | | |
| **28.** | | | | **We look forward to receiving your quotation and thank you for your interest in this project.** | | | | |
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(Authorized Signatory)

DIRECTOR/PRINCIPAL **Annexure I**

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| **Sr. No** | **Item Name** | **Specifications** |
| 1 | Hall effect experimental set up | 1). Hall Effect setup: Objective: Study of Hall Effect in Semiconductor and determination of Hall Coefficient, Hall Voltage, Type of Charge Carrier and Density, Mobility and Hall Angle. Technical Specification: Complete Hall Effect Experimental Set-up, Hall Probe: semiconductor Crystal (n-type and p-type). Resistivity: 1-10Ω cm, hall probe stand. Hall Voltage Range: ≤ 0.1- ≤ 1Volt/≤100mA/kG. Digital Meter for Hall voltage and probe current: 0 - ≥ 200mV, Resolution ≤ 1mV. Probe Current 0 - ≥ 20mA, Resolution ≤ 0.1 mA, Electromagnet Field Intensity: ≥ 5kG, Digital Gauss Meter: 0 - ≤ 20 kG, Resolution: 0.1-1Gauss, Input Voltage 220-230 VAC, 50Hz. • Complete Instruction Manual with Circuit Diagram |
| 2 | Laser Experimental Setup | 2). Laser setup: Specification: Laser source: ≥ 2 milliwatt Laser, Mountable on optical bench, with inbuilt power supply workable on 220V AC & 50Hz. Design for continues working. Up-Down motion for beam. Optical bench (1-2 meter length), Diffraction Gratings with no. of lines ≥ 1000 lines/inch (05), Double Slits (05), Knife edge with holder, Micro positioner Mounts, Screen with mount (05), measuring tapes (05), Scale with mount should be provided with operating manuals & other accessories covering brochures for following experiments: a). Measurement of slit width by Double Slit Diffraction. b). Measurement of divergence of LASER beam. c). Determination of wavelength of LASER by diffraction grating. |
| 3 | Stewart and Gees apparatus | Stewart and Gee’s apparatus: Technical Specifications: Power Supply : 0-12V DC, Digital voltmeter/Ammeter, Load Resistor : 7 Diff. Values Through Rotary Switch, Key : One ON/OFF Switch For Control, Reverse Key : One Reverse Key, Power for Operation: 220-230VAC, 50Hz, Fuse, Complete Instruction Manual with Circuit Diagram. |
| 4 | Apparatus for find e/m for electron by helical method | Apparatus to calculate e/m for electron by helical method: Technical Specifications: Helical Set Up complete in all respect. HT DC Power Supply: ≥ 300V to ≥ 800 V. DC Power Supply for Solenoid. Cathode Ray Tube mounted in Stand. Potentiometer for focus control, intensity control, X and Y shift controls. Digital or Analog meters: Voltmeter: DC 0- ≥ 800 V, Ammeter: DC 0- ≥ 1 A mounted on board. Long Solenoid mounted on stand. Power for Operation: 220-230VAC, 50Hz. Complete Instruction Manual with Circuit Diagram. |
| 5 | Optical Fibre Trainer | Optical Fiber setup: Objective: Determining the numerical aperture of single and multimode optical fibers. Finding splicing losses, bending losses and airgap losses in multimode fibers. Technical Specifications: Optical Fiber experimental set up complete in all respect to perform above mentioned objective. Optical bench with transversal and fixed sliders. Laser Transmitter: Wavelength ≥ 500nm, Optical Power ≥ 2mW, Bandwidth: 0 to ≤ 300 kHz. Laser Receiver: wavelength ≥ 500nm, Optical Power ≤ 5mW, Bandwidth: 0 to ≤ 300 kHz. Optical power coupled into fiber. Digital Voltmeter: 0 - ≤ 3V in split range. Power supply: Input voltage: 220-230VAC, 50Hz. Complete Instruction Manual with Circuit Diagram. |
| 6 | (B-H Curve Experiment. | B-H Curve setup: Objective: To calculate the hysteresis loss by tracing a B-H curve for a given sample. Specification: The set up consist of main unit having variable A.C supply and control for magnetizing coil, Power supply for pick up probe, IC holder having magnetizing coil and pickup probe, ferromagnetic samples (05), ammeter, magnetometer, CROs (30 MHz), other related accessories, Instruction Manual with Circuit Diagram. |

**Annexure II**

**TECHNICAL BID DOCUMENT**

**FORMAT TO BE FILLED BY OEM OR AUTHORISED VENDORS FOR SUBMITTING TENDER FOR PROCUREMENT OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Name of the Tenderer:**
2. **Details of the Address of the Vendors: (Attach Details)**
3. **Proof of Registration or Trade Licence: (Attach Details)**
4. **GST Registration No. (attach copy)**

**Certified that the above information are correct to the best of my /our information, knowledge and belief.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Dated Signature and seal of OEM/vendor**

**ANNEXURE-IV**

**<< Organization Letter Head >>**

**DECLARATION SHEET**

We, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ hereby certify that all the information and data furnished by our organization with regard to these tender specifications are true and complete to the best of our knowledge. I have gone through the specifications, conditions and stipulations in details and agree to comply with the requirements and intent of specification. We further certify that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty. We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years. The prices quoted in the bids are subsidized due to academic discount given to JNGEC Sundernagar.

**NAME & ADDRESS OF THE Vendor/ Manufacturer / Agent**

**Phone**

**Fax**

**E-mail**

**Contact Person Name**

**Mobile Number**

**GSTIN Number**

**(Signature of the Tenderer)**

**Name: Seal of the Company**

**ANNEXURE- V**

**MANUFACTURERS' AUTHORIZATION FORM**

[The Tenderer shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. Date: [insert date (as day, month and year) of Bid Submission]

**Tender No.:** [insert number from Invitation for Bids]

**To:** [insert complete name and address of Purchaser]

**WHEREAS**

We [insert complete name of Manufacturer], who are official manufacturers of [insert type of goods manufactured], having factories at [insert full address of Manufacturer’s factories], do hereby author-ize [insert complete name of Tenderer] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract. We hereby extend our full guarantee and warranty as mentioned in the terms and conditions of the tender document, with respect to the Goods offered by the above firm.

**Signed**: [insert signature(s) of authorized representative(s) of the Manufacturer]

**Name:** [insert complete name(s) of authorized representative(s) of the Manufacturer]

**Title:** [insert title] Duly authorized to sign this Authorization on behalf of: [insert complete name of Tenderer]

Dated on \_\_\_\_\_\_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_ [insert date of signing]

**ANNEXURE-III**

**FORMAT FOR QUOTATION SUBMISSION**

(In letterhead of the supplier with seal)

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

To:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Description of goods \ (with full Specifications) | Qty. | Unit | Quoted Unit rate in Rs.  (Including Ex-Factory price,  excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and  warranty/ guaranty commitments) | Total Price  (A) | Sales tax and other taxes payable | |
| In % | In figures (B) |
|  |  |  |  |  |  |  |  |
| **Total Cost** | | | | |  |  |  |

Gross Total Cost (A+B): Rs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ———————— (Amount in figures) (Rupees ————————amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ——————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_