

TENDER

FOR

SUPPLY & INSTALLATION OF

STANDARD LABORATORY FOR RENEWABLE ENERGIES

Tender No.: IITJ/TEN/CHM/RE/2010-11/20

Last Date of submission: 27th September, 2010



Indian Institute of Technology, Rajasthan
Camp Office: MBM Engineering College, Jodhpur – 342 011, Rajasthan
Tel.: 0291-2516823, 2516872, email: iitj@iitk.ac.in

Indian Institute of Technology (IIT), Rajasthan, Jodhpur invites tenders for supply, erection, installation and commissioning, testing, demonstration and training free of cost (4 Persons) of Chemistry Laboratory Equipment, as per specifications given in the Schedule attached to the Tender form annexed hereto. All offers should be made in the English and should be written in both figures and words. The relevant brochure may also be enclosed. Tender forms can be downloaded from the website (http://www.iitk.ac.in/iitj/tender_notice.htm) of the institute.

The bidders are requested to read the tender document carefully and ensure compliance with all instructions herein. Non-compliance of instructions may disqualify the bidders from the tender exercise.

The Director, IIT Rajasthan, Jodhpur reserves the right to select certain items (in single or multiple units) and reject the others or all mentioned in the Schedule. The Director, IIT Rajasthan, also reserves the right to revise or alter the specifications of the Equipment before acceptance of any tender.

Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored, and rejected.

The bidders are requested to submit Technical Bid and Price Bid in separate sealed covers as follows:

- (i) Technical Bid containing information regarding business turnover, experience and other details of the firm to judge the suitability of the bidder.
- (ii) Price bid containing prices of the various products clearly mentioning all charges and taxes as may be payable.

Both envelopes (Technical bid and Price bid) be placed in separate third envelope bearing the following reference on the top left hand corner: "Tender No.: IITJ/TEN/CHM/LE/2010-11/20", due on 27th September, 2010 at 15:00 hrs and addressed to:

"The Director,

IIT Rajasthan,

Camp Office: MBM Engineering College, Jodhpur – 342011, Rajasthan"

All tender documents should be deposited in the tender box at the reception of the Institute at Administrative Block or send through courier, speed post or registered post. All tender documents received after this specified date and time shall not be considered.

The Technical bid will be opened on 27th September, 2010 at 4.00 P.M in the Conference Hall of the Institute in the presence of the bidders or their authorized representatives, who are present at the time. Price bids of only those bidders will be opened whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of price bids will be decided after technical bids have been evaluated by the committee. Information in this regard will be posted on Institute's web site / Notice board. No separate information shall be given to individual bidders.

1. Pre-Bid Meeting:

A Pre-Bid meeting has been scheduled on Monday 20th September, 2010 at 10:30 hrs. Bidders are requested to contact Dr. S. Harinipriya, Assistant Professor, IIT Rajasthan (e-mail: shpriya@iitk.ac.in) to confirm if they are attending the pre-bid meeting or for any clarification needed.

2. Tender Cost:

A Demand draft of ` 500/- (Rupees Five Hundred only) towards non refundable tender fee drawn in favour of "Director, IIT Rajasthan" payable at Jodhpur should accompany with the Technical bid document.

3. Earnest Money Deposit (EMD):

A Demand draft of ` 10, 000/- (Rupees Ten Thousand only) towards EMD drawn in favour of "Director, IIT Rajasthan" payable at Jodhpur should accompany with the Technical bid document.

4. Pre – Qualification Criteria:

- a) Bidders should be the manufacturer / authorized distributor.
- b) Bidders should have minimum three years of experience for supply and installation of Lab Equipment in short time frame (3 - 4 weeks) to educational Institutes; supporting documents should be attached.
- c) Financial soundness to execute the order with an annual turnover of more than ` 50.00 lacs continuously during last 3 financial years; supporting documents should be attached.
- d) Bidder should submit an undertaking stating that their firm is not being blacklisted by any Government body / organization.

5. Prices:

The Prices must be quoted in Indian Rupees only and should be inclusive of all taxes; FOR IIT Rajasthan, Jodhpur.

6. Validity:

The bid should be valid for acceptance up to a period of 120 Days. The Bidders should be ready to extend the validity, if required.

7. Delivery:

All the goods ordered shall be delivered & Installed with proper packing within the delivery period from the date of issue of order at the above destination.

8. Training:

Bidder needs to provide training to 10-15 IIT Rajasthan personnel within India or abroad at their cost. IIT Rajasthan will not bear any training expenditure.

9. Warranty Declaration:

Bidder must give the warranty of three years from the date of installation of Equipment against any manufacturing defects and also give the warrant declaration that everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification.

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at the their own cost. The payments shall be made only after receiving the material in the required format and quality to the satisfaction of the Institute authorities.

10. Terms of Payment:

- No advance payment will be made.
- 90% Payment of the total order value shall be released by the Institute only after receipt of materials and balance 10% will be released after complete installation of the Equipment in good condition.

11. Tender expenses and documents:

All costs incurred by the bidder in the preparation of the tender shall be at the entire expense of the bidder.

12. Tender Evaluation Criteria:

- Bids will be evaluated on the basis of the terms & conditions already incorporated in the tender document, based on which tenders have been received and the terms, conditions etc. mentioned by the bidders in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.
- The Committee will examine all the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- Prior to the detailed evaluation of Price Tenders, the committee will determine the substantial responsiveness of each bidder to the tender document. The substantially responsive bidder is one, which accepts all the terms and conditions of the tender documents without material deviations. Deviations from, or objections or reservations to critical provisions such as those concerning EMD, Delivery, Warranty, Taxes & Duties, Force Majeure and other terms & condition of the

tender. The committee determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.

- If a Tender is not substantially responsive, it will be rejected by the Purchaser and cannot subsequently be made responsive by the bidders by correction of the nonconformity.
- The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the tender document. The tenders, which do not meet the basic requirements, are liable to be treated as non – responsive and will be summarily ignored.

13. Award of Contract:

- Committee reserves the right to accept any tender and to reject any or all tenders.
- The Committee reserves the right to accept in part or in full any tender or reject any or more tender(s) without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidders.
- The committee will scrutiny the bids and tender evaluation will determine to its satisfaction whether the bidder, whose bid has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.
- The contract will be awarded to the lowest evaluated responsive bidder decided by the committee.

14. Liquidated Damages (Late Delivery):

- The Equipment should be delivered and installed in specified period as specified in the purchase order and be ready for use within 4 weeks of the issue of purchase order unless otherwise prescribed. If the bidder fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to maximum of 10% of total order value will be deducted.

15. Return of EMD:

- The earnest money of the successful bidder will be retained as security money without any interest and would be returned after completing the successful contract.

The earnest money of unsuccessful bidders will be returned to them without any interest within thirty days after awarding the contract.

BID PARTICULARS

1. Name of the Supplier :

2. Address of the Supplier :

3. Availability of demonstration of equipment : Yes / No

4. EMD enclosed : Yes / No if Yes
D.D. No. _____ Bank _____ Amount _____

5. Name and address of the Officer to whom all references shall be made regarding this tender enquiry.

Name :

Address :

Telephone No. :

Fax No. :

Mobile No :

e-Mail :

Web :

Specification: Laboratory system for Renewable Energies

Laboratory system for demonstration of renewable energies complete with all necessary accessories, Power supply systems and furniture. It should be suitable for simultaneous training of 24 students. The system should consist of workstations including PHOTOVOLTAIC, FUEL CELLS, SMALL WIND POWER PLANT, ADVANCED WIND POWER, ADVANCED PHOTOVOLTAICS, and ADVANCED FUEL CELLS as per the detailed specification given below:

Applications	SPECIFICATIONS
Small Wind Power Plant	Power \geq 5kw Charge controller \sim 12V Synchronous Generator with Permanent Magnets \sim 12V Lamp Board \sim 12V Load Unit Off – grid inverter Lamp Boar 230V Machine Test Stand, Software Rubber coupling sleeve and guard Interactive lab assistant Multimeter (digital/analog) Safety measurement cables Small – Scale wind turbine with demonstration Mast Mast set for small – scale wind turbine
Advanced Wind Power Plant	Control unit for Wind turbine 3 – phase multi function machine 3 – phase isolation transformer Incremental position encoder Machine test bench and software Coupling sleeve and guard Universal power supply for DC and 3 – phase current Multimeter (digital/analog) Watt – meter, Power – Factor Meter, 3 – Phase Meter
Advanced Photovoltaic	Solar Module Simulation Model Solar module with sola altitude emulator Load unit Solar charge controller Solar accumulator Off – grid inverter Lamp board Industrial Photovoltaic inverter Energy monitor Interactive Lab Assistance Multimeter (digital/analog) Watt – meter Power – Factor Meter Safety Connection Plug Safety measurement Cable

Advanced Fuel Cell Technology	Fuel Cell with DC Converter Electronic load metal hydride storage cell Electrolyser Interactive lab assistant Safety connection plug Safety measurement cable