



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का एक संस्थान)

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD

DHANBAD, JHARKHAND, INDIA, PIN-826004

(An Institute of National Importance under Ministry of H.R.D., Govt. of India)

STORES & PURCHASE SECTION Phone:(0326) 2235678 || Email : purchase@ismdhanbad.ac.in || Website : www.iitism.ac.in

No. App Chem-500233-17-18

Date: 06.09.2017

NOTICE INVITING TENDER

Subject: Supply & Installation of Photo-Luminescence Spectrometer.

Indian Institute of Technology (Indian School of Mines), Dhanbad invites quotations for the following to be supplied and delivered in Applied Chemistry Department.

S No	Full Description of items/ store	Qty	Delivery
1	<p>Supply & Installation of Photo-Luminescence Spectrometer</p> <p>Principle: Computer Controlled ratioing luminescence spectrometer with the capability of measuring Fluorescence, Phosphorescence or Chemiluminescence and Bioluminescence. Pulse rate, delay and gate times can be varied.</p> <p>Source: Pulsed xenon lamp 150W. Source can be turned off for measuring chemiluminescence, bioluminescence and upconversion.</p> <p>Monochromator: Excitation: 225 - 725 nm with zero order selectable. Emission: 2250 - 800nm. Synchronous Scanning should be available.</p> <p>Wavelength Accuracy : ±2.0 nm</p> <p>Wavelength Repeatability : ≤ 1 nm</p> <p>Spectral band pass: The excitation and emission slits should be 2.5-15 nm and 2.5 -20 nm respectively.</p> <p>Emission filters: Cut off filters - 295, 350, 390 and 420, nm respectively (to act as a shutter).</p> <p>Sensitivity: Minimum signal to noise level using the Raman band of water, excitation 350 nm is 600:1 RMS measuring noise on the Raman peak, and 2500:1 RMS measuring noise on the baseline.</p> <p>Polarizer: Instrument must include an automated Polarizer. Polarizer positions should be software controlled and can be manually set or automatically controlled for polarization, anisotropy or G-factor.</p> <p>Software operating system: Windows environment.</p>	01 No.	At the Earliest /Ex-Stock



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<p>Data Analysis: Routines should be available for performing mathematical calculations on stored data. These include arithmetic functions, smoothing, area, peak, normalization, merge, difference, interpolate and least squares fit.</p> <p>A wavelength program should be available for storing of excitation and emission wavelengths with variable integration and cycle times. Specific applications programs should be provided for determining phosphorescence decay, polarization spectra, intracellular biochemistry programs and simple quantitation.</p> <p>Accessories Required : 1.) Two pair of Quartz Cell for Liquid Samples (3.5 ml. cell volume) 2.) Red sensitive Photo Multiplier Tube</p> <p>Optional Accessories: 1.) Powder sample holder for the analysis of solids, powders etc. 2) Single Position Research Peltier Controller for fluorescence. Temperature range 5 to 70°C Includes stirring</p> <p>Warranty: Minimum 1 year standard & additional one year of comprehensive warranty from the date of successful installation. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary.</p> <p>Indigenous Items: UPS: Online UPS with isolation transformer suitable for single phase AC input and single phase AC output, Floor mounted type. Online 2 KVA UPS with 60 minutes battery backup (Reputed make)</p>	
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Tender Schedule

Particulars	Date & Time
Last date and time for submission of tenders	26.09.2017 at 3:00 P.M.
Date and time of opening of tenders	26.09.2017 at 4.00 P.M.



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Terms & Conditions

1. Interested firm(s)/bidder(s) are requested to quote their lowest rates for the supply of above items in the attached format for Financial Bid (Annexure – I)
2. Clarification(s) sought after the prescribed date shall not be entertained.
3. The firm(s)/bidder(s) may send their representative in the office of the undersigned at the scheduled date and time of opening of tender. The representative must carry an Authorization Letter along with proper Identity Proof and Photograph.
4. Tender must be submitted in sealed cover only super scribed with Enquiry No. and due date at the following address only:

The Deputy Registrar (P&S)

Indian Institute of Technology (Indian School of Mines),

Dhanbad – 826 004 Jharkhand

5. The rates should be quoted for each item separately.
6. Conditional offer will not be accepted.
7. IIT (ISM) does not issue any Form 'C' or 'D' towards sales tax concessional rate. Hence, full rate of GST applicable should be quoted.
8. **Educational discount**, if any, should be clearly mentioned.
9. The firm(s)/bidder(s) are requested to submit their quotation strictly as per the specifications mentioned in the NIT.
10. The bid/quotation must be valid for **minimum 90 days** from the date of opening of tender.
11. Please mention warranty/guarantee in the offer clearly. Material/equipment to be supplied must have minimum warranty/guarantee of **12 months**.
12. *Each page in the bid document must be numbered properly* and duly signed & sealed by the bidder on every page of the bid.
13. Bid Security or Earnest Money Deposit (EMD): Should be submitted in form of A/C payee demand draft drawn in favour of Registrar, IIT (ISM), Dhanbad and payable at Dhanbad.
14. **Performance Bank Guarantee:** The successful bidder(s), on whom order will be placed, has to submit a performance security of 10% of the total order value at the earliest as per PO terms before release of any payment. Performance security has to be submitted in the form of Bank Guarantee/Demand Draft/FDR from any Nationalized/Scheduled commercial Bank in favour of the Registrar, IIT (ISM), Dhanbad. Performance security should remain valid for a period of two months beyond the date of completion of all contractual obligations of the successful bidder(s). No interest will be payable by IIT (ISM) Dhanbad on the Performance Security deposited. In case the contractor fails to provide satisfactory service, the Performance Security submitted by the bidder(s) is liable to be forfeited. An undertaking to this is to be submitted.
15. **The items/materials shall be required to be delivered at Applied Chemistry Department/ Section through Purchase & Store Section, IIT (ISM), Dhanbad** at the risk and cost of the tenderer.
16. Unloading and installation shall be the complete responsibility of the supplier.
17. The stores are required to be delivered within 30 days from the date of Purchase Order. Late delivery may not be accepted.
18. The items offered should be of good quality confirming to BIS standards, wherever applicable.
19. **Advance payment is not admissible.** Payment shall normally be made within 3-4 weeks subject to receipt, acceptance & satisfactory installation (as per Purchase Order Terms) of the ordered materials/items.



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20. In the event date on which the tender is opened for acceptance is declared to be a holiday, the tenders shall be deemed to remain open for acceptance till the next working day.
21. Please send your offer by Regd. Post/ Speed Post/ Courier along with Courier receipt. Tender/ quotation will be received during IIT (ISM), Dhanbad working hours only (i.e. Monday to Friday). *Late or delayed tenders shall be summarily rejected.*
22. Any other information that you may like to obtain, you are free to contact IIT (ISM), Dhanbad before submission of tender.
23. IIT (ISM), Dhanbad reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

Assistant Registrar



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Annexure - I

Format for Financial Bid

NIT No.: App Chem-500233-2017-18

Dated: 06.09.2017

Bidders Ref: No.

Dated:

Subject: Supply & Installation of Photo-Luminescence Spectrometer.

Sl. No.	Full Description of Items	Qty.	Rate	Amount
			Packing & Forwarding (if any)	
			Total	
			GST (if any)	
			Freight (if any)	
			Installation (if any)	
	Amount should be in figure as well as word		Grand Total	

Note:

- 1) All the details must be provided as per prescribed format only
- 2) Prices quoted by the bidders should include GST, HSN Code, SAC Code, duties, levies, transportation cost and insurance cost etc., if any.
- 3) All the rates must be quoted in Indian Rupees.