

Punjab Institute of Technology



**PTU-Main Campus, Jalandhar-Kapurthala Highway, Near Pushpa Gujral Science City,
Kapurthala-144601 Punjab**

Tender Document for the Purchase of Laboratory Instruments

Tender Notice No. 2013/01

(Two bid System)

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21/07/13

Punjab Institute of Technology, PTU-Main Campus, Jalandhar-Kapurthala Highway,
Near Pushpa Gujral Science City, Kapurthala-144601 Punjab

Tender Document for the Purchase of Laboratory Instruments

Tender Notice No.: 2013/01.....

Last Date for Submission of Tender: 02/07/2013 (2:00pm)

Date & Time of Opening: 02/07/2013 (3:00pm)

Name and Address of the Tenderer: Director, Punjab Institute of Technology,
PTU-Main Campus, Jalandhar-Kapurthala Highway, Near Pushpa Gujral Science City,
Kapurthala-144601 Punjab

Telephone: 01822-255535

Mobile No.: 09478098069

E-Mail Address: ap.ft@ptu.ac.in

Tender Purchase Details:

The Tender document can be downloaded from the University website: www.ptu.ac.in

The document must be accompanied by a demand draft of Rs.1000 favor of Registrar, PTU

Demand Draft No. _____ Dated _____ Bank _____

Earnest Money Details:

Item Qty EMD in Rs.

UV- Vis Spectrophotometer: Rs 15,000/-

Refrigerated Centrifuge: Rs 10,000/-

Rotary Vacuum evaporator: Rs 15,000/-

Electronic Weighing Balance: Rs 8,000/-

EMD must be deposited in the form of demand draft in favour of Registrar, PTU
payable at Jalandhar.

Demand Draft No. _____ Dated _____ Bank _____

Handwritten signature and date:
07/02/12

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Section-I

**Punjab Institute of Technology, PTU-Main Campus, Jalandhar-Kapurthala Highway,
Near Pushpa Gujral Science City, Kapurthala-144601 Punjab**

TENDER NOTICE No. 2013/01.....(Two bid System)

Punjab Institute of Technology, Kapurthala invites sealed tenders from reputed Manufacturers/ dealers/ contractors for the under mentioned items:

Item Qty EMD in Rs.

UV- Vis Spectrophotometer: 15,000/-

Refrigerated Centrifuge: 10,000/-

Rotary Vacuum evaporator: 15,000/-

Electronic Weighing Balance: 8,000/-

GENERAL TERMS & CONDITIONS:

- i. The vender/principal supplier/manufacturer should have reputed background and be a registered corporate entity in India. In case of companies incorporated outside India, they should mention an authorized service entity that would provide post purchase services on behalf of its principal.
- ii. The party should have minimum annual turnover of Rs. 60 crores in last 3 years. Documentary evidence (include a copy of income tax return certificate) must be enclosed with tender.
- iii. Separate tender along with tender fee, EMD and necessary document should be submitted for each instrument. Top of the main envelop should subscribe: Quotation for which Instrument. Last date of submission and Date of Opening of Tender.
- iv. Blank Tender Forms for the above item along with details can be downloaded from www.ptu.ac.in. The nonrefundable application fee of Rs1000/- must be accompanied with tender.
- v. Last date of submission of tender along with requisite fee, EMD and all documents is..... 2013, 5:00 p.m.
- vi. The DD for application fee, EMD or any other must be drawn in favour of Registrar,PTU
- vii. The date of opening of technical bid will be..... 2013,.....
- viii. If the last date of submission is declared holiday in Punjab Institue of Technology, the date of submission and technical bid opening will be next working days respectively.
- ix. Validity of tenders shall be 3 months from the last date of submission of the tenders.

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- x. Place of delivery of the material is Punjab Institute of Technology, Kapurthala and is the sole liability of the supplier only.
 - xi. The Punjab Institute of Technology reserves right to accept/reject any or all the tenders at any time without assigning any reason.
 - xii. The tenders received late, without tender fee, without earnest money, without required documents or incomplete in any respect / Misleading will out rightly be rejected.
 - xiii. Other terms & conditions specific for different instruments must be complied with tender form.
 - xiv. Financial bid and Technical compliance sheet for each instrument should be strictly as per tender format.
 - xv. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.
 - xvi. Tenderer selected for supply of equipment will have to provide Performance Bank Guarantee (PBG) on any scheduled bank situated in India, equivalent to 5 percent of the cost of the equipment which should be valid until the expiry of the Warranty period.
 - xvii. Availability of Spares: The tenderer must give certificate duly signed and stamped by manufacturer for the availability of spares and servicing of equipment for at least 10 years.
 - xviii. Supplier should give an undertaking that spares parts will be supplied within the specified periods as and when ordered.
 - xix. Certificate indicating country of manufacture should be attached.
 - xx. Apart from all these terms and conditions, specific terms as specified with each equipment must also be complied.

PREPARATION OF TENDER:

- i. The tender no. and due date should invariably be super subscribed on the envelop cover.
- ii. The proposals shall be submitted in two parts, viz. Technical bid and Financial bid in two separate sealed envelopes (**with respective marking in bold letters**).

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- iii. **The first envelope marked Technical bid** should include the technical specifications. The first envelope should not contain any cost information whatsoever.
- iv. The second envelope marked Financial bid should contain the detailed price offer in prescribed format.
- v. Both the sealed envelopes Technical bid and Financial bid should be placed in a bigger sealed cover. The top of cover must also contain Name and Address of the tenderer, telephone details and e-mail address for further correspondence.
- vi. The tender competing in technical evaluation will only be considered for financial evaluations. The price envelopes of others will not be considered. At second stage, financial bids of only technically acceptable offers should be opened for further evaluation and ranking before awarding the contract.
- vii. The financial proposal shall be opened in the presence of the tenderers or their representative who choose to attend. The prior information in this regard will be given to the qualified tenderers.
- viii. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender.

DELIVERY OF TENDER

- i. All tender should be addressed to Director, Punjab Institute of Technology, PTU-Main Campus, Jalandhar-Kapurthala Highway, Near Pushpa Gujral Science City, Kapurthala-144601 Punjab
- ii. Tenders duly sealed t will be considered.
- iii. No responsibility with regard to postal delays due to any reason whatsoever will be accepted.

Evaluation of Bids Received

The Institute has the right to evaluate, segregate, rank the responsive Bids and select the successful bidder for placement of the contract. Any decision regarding anything by Punjab Technical University will be final.

PERFORMANCE SECURITY

- i. To ensure due performance of the contract, performance security equivalent to 5% of the total value of contract will be deposited by successful bidder.
- ii. Performance Security should remain valid for a period of sixty day beyond the date of completion of all contractual obligations of the supplier including warranty obligations.

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- iii. Bid Security should be refunded to the successful bidder on receipt of performance security. The institute will pay no interest for the deposit.

DELIVERY, INSTALLATION AND WORK COMPLETION

The delivery of the material will be made within stipulated time period as given in the supply/work award letter otherwise will attract penalty. In case of imported item, the supplier/their Indian Agent will be responsible for delivery of the material from the place of discharge of material to final point.

PRICE AND DELIVERY

- i. The prices quoted must be net per unit, FOR Punjab Institute of Technology, Kapurthala.
- ii. All other charges including VAT/CST, Excise Duty, other levies and packing charges (if any) payable by Punjab Institute of Technology should be clearly indicated otherwise it will be presumed that the rates quoted are inclusive of all these charges and will not be paid.
- iii. The Excise Duty component (with percentage) should be indicated as the University is exempted from the payment of Custom/Excise Duty and exemption will be availed by providing Custom/Excise Duty Exemption Certificate with order.
- iv. Insurance to cover equipment up to the site of installation & successful acceptance of the equipment at Punjab Institute of Technology, Kapurthala, should be included in quotation.
- v. Special discounts/rebates, wherever applicable, keeping in view that the supplies are being made to an educational institution, may please be indicated.
- vi. Wherever applicable, rates under duty exemption/high sea sales agreement should be quoted. The Quotes for this should be in US Dollars/ GBP/Japanese Yen/ Euro only. For the purposes of comparison, the exchange rate applicable on the day of Financial Bid opening will be taken.
- vii. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated. The charges for extended warranty and/or Annual Maintenance Contract after the expiry of offered warranty period may also be specified.
- viii. The manufacturers' printed literature/catalogue/drawing/user's list in respect of range of product being quoted should also be submitted with the offer.
- ix. In case the rates are being offered by the dealer/stockiest, a certificate from the manufacturer **in original** about the authorization of dealership/stockiest ship and to quote rates on their behalf be furnished with the offer along with a certificate from the manufacturer that for the material supplied through the authorized dealer/stockiest, they will be responsible for its quality and guarantee/warranty.

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- x. The supply of items of approved specifications shall have to be made strictly as per given delivery schedule on placement of order failing which the material may be rejected and returned at the expenses of the supplier.
 - xi. To assist in the scrutiny, evaluation and comparison of offers, Punjab Institute of Technology may at its discretion can ask some or all vendors for clarification of their offer.
 - xii. The firms shall be required to arrange demonstration of the offered item if required by the University.

PAYMENT:

In case of imported equipment, the Performa Invoice of the manufacturer should be enclosed along with complete terms & conditions. The terms of payment in case of imported equipment will be Letter of Credit on F.O.B. basis as under:

L.C. will be opened for 100% amount and shall be bifurcated in the following manner:

- (i) L.C. for 90% of the cost of material, which shall be released by the bank on proof of dispatch of goods in good condition etc.
- (ii) The 10% amount against L.C. of the cost of material, shall be released by bank on satisfactory installation, commissioning of the equipment, deposition of performance warranty and/or security if any and all required documents on subsequent intimation by the office to the bank to this effect.

Warranty

Any defective goods or to replace or repair by the supplier without charges with similar goods free from defect. Any goods repaired or replaced by the supplier shall be delivered at the buyer's premises without costs to the buyer. A warranty certificate must be supplied with bid.

Maintenance Contract

The equipment or machinery is maintained free of charge by the supplier during warranty period or such other extended periods as the contract terms may provide and the paid maintenance should commence only thereafter. If the supplier fails to deliver the goods and / or perform the services within the contractual delivery period for reasons other than circumstances beyond supplier's control (which will be determined by the purchaser) and the purchaser extends the delivery period, the purchaser will also deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% (half percent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance. The maximum limit of such deduction will, however, be 10% (ten percent) of the contract price of the delayed goods or services.

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No Commitment to Accept Lowest or Any Tender

Punjab Institute of Technology, Kapurthala shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers including those received late or incomplete offers without assigning any reason whatsoever. Punjab Technical University, Kapurthala reserves the right to make any changes in the terms and conditions of purchase. . Punjab Technical University, Kapurthala, will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

SALE TAX REGISTRATION CERTIFICATE

Every tender must be accompanied by Photo state copy, duly attested of the sales tax declaration to the effect that the firm is registered under the Sales Tax Deptt.

INCOME TAX

Photostat copy of the latest income tax clearance certificate and a copy of PAN No. may be provided.

CUSTOM DUTY & EXCISE DUTY EXEMPTION

Ours university is registered with the Department of Scientific & Industrial Research (DSIR) for purposes of availing customs duty exemption. The certificates will be made available.

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Annexure-I

APPLICATION FORM

(TO BE FILLED COMPLETELY & PLACED IN ENVELOPE-1)

1. Name and full address of the head office of proposing firm:

- i. Name-
- ii. Address-
- iii. Tel. No.-
- iv. Fax -
- v. Email -
- vi. Web site (If any)

2. Name and full address of local office of proposing firm nearest to Kapurthala:

- i. Name-
- ii. Address-
- iii. Tel. No.-
- iv. Fax -
- v. Email -
- vi. Web site (If any)

3. Name and full address of manufacturer:

- i. Name-
- ii. Address-
- iii. Tel. No.-
- iv. Fax -
- v. Email -
- vi. Web site (If any)

4. Bank account number:

5. PAN and TAN Number:

6. DD No. & name of the bank:

(a) Tender Fee DD

(b) EMD DD

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7. Manufacturing type (tick mark):

- i. Imported
- ii. Indigenous
- iii. Both

8. Any other relevant information: It is certified that I/we have carefully read and understood the entire general, special as well as specific terms and conditions of these documents and agree to abide by all of these. All the information and commitments provided with the quotations are truthful and binding on the firm.

Place: Signature of Authorized Person

Date: Designation

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Annexure-IIBENCHTOP REFRIGERATED CENTRIFUGE SPECIFICATION

- **Temperature Range:** -10° C to + 40° C or better
- Fast/quick cool function
- **Stand by heating/cooling mode:** at least 8 hrs or better
- Automatic pre-prepare temperature before centrifugation
- Should be Microprocessor Controlled
- **Maximum Speed:** 17000 rpm or better
- **Maximum RCF:** 30,000 g or better
- **Timer:** up to 99 min or better
- Timer countdown must start only when selected speed is achieved.
- Should have programmable time and speed
- Stainless steel chamber
- Autoclaveable rotor
- Automatic imbalance detection
- Automatic rotor recognition
- Digital display of time, speed and temperature
- Low noise level at maximum speed
- Brushless maintenance free drive
- Rotar should be chemical resistance
- Maximum lid screwing security even at high-speed centrifuged.
- Required rotors: Head with having fixed angle rotor for 15 ml/50 ml tubes & 1.5/2.0 ml tubes

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Annexure-IIISpecifications of Double Beam UV-Visible Spectrophotometer

1. PC controlled UV-Vis Spectrophotometer	
2. Photo metric System	Double Beam Optics
3. Wavelength range:	190-900 nm or better
4. Source	Tungsten and deuterium lamp with auto-switching.
5. Spectral Band Width:	0.5nm–4.00 nm or better
6. Resolution	0.2 nm or better
7. Stray light at % T	0.015 % at 220nm or better
8. Wavelength accuracy:	± 0.3 nm or better
9. Wavelength Repeatability:	± 0.1 nm or better
10. Wavelength Scan rate:	up to 2500 nm/min or better
11. Photometric accuracy(Abs):	± 0.005 Abs or better
12. Photometric range (Abs)	Up to 3 Abs or better
13. Baseline flatness (Abs)	± 0.001 Abs or better
14. Grating lines per mm	1050 or better
15. Cuvettes	3.0 ml & 50 μ l capacity with 10 mm path length (01 pair each)
16. Detector	Photomultiplier / silicon-diode
17. Autosampler compatible	Must be compatible with Auto-sampler alongwith sipper & appropriate flow cell

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18. Temperature Controller	Peltier based temperature controller for single cell.
19. PC, Laser Printer & UPS	<ul style="list-style-type: none"> - System compatible latest branded PC and Laser Printer - 2 KVA online UPS with 30 min backup required to run the system.
20. Software	Window based complete multitasking software capable to handle the data.
21. Warranty	At least 1 year or better
22. Certification	Duly certified, dependable, and prompt after sale service.
23. Optional Accessories	<ul style="list-style-type: none"> • Peltier based temperature controller for multiple cell. • Auto sampler along with sipper & appropriate flow cell. • Extra: Cuvette 3 ml capacity with 10 mm path length (01 pair) • Extended warranty • AMC after warranty

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Annexure-IVSpecification of Rotary Evaporator System with Vacuum Pump & Water Chillier

Distilling/ Rotary Evaporator	Rotation speed	Upto 270 rpm or better with controls for adjustments.
	Interval operation facility	Clockwise and Anti clockwise for Powder drying process.
	Timer Facility	Yes
	heating bath	<ul style="list-style-type: none"> - Microprocessor controlled (PID with display for set & actual Temperature) having temperature range upto 180°C or better with digital display. - Temperature Accuracy: $\pm 2^{\circ}\text{C}$ or better - shall be adjusted horizontally up to 170mm or better - Should offer efficient space to accommodate evaporating flasks from 50 ml to 3000 ml. - atleast 3.0 Litres capacity or better - constructed of chemically resistant, insulated double wall for user protection against burn & scalding. - Independent safety cutoff <p>Note: Heating Bath should be detachable with Digital Temp. Display to use as independently without Rotary Evaporator also.</p>
	LCD digital graphic display	with all parameters like Rotation speed, Temp & Timer.
	PTFE vacuum seal	long life graphite filled
	evaporating flasks	1000 ml or better
	receiving flask	1000 ml or better
	vapour tubes	supplied with standard ground joint
	Vacuum control	required
	Solvent library	required
	Automatic boiling reorganization	required
	Volume based distillation	required
Water Chillier		cold water bath circulator for rotator evaporator shall be provided with the system having temperature range -20 to ambient & precise temperature control of $\pm 0.5^{\circ}\text{C}$ with digital display and pump.
Vacuum Pump		oil free diaphragm vacuum pump shall be made from chemically resistant materials up to 2 mbar or better with <u>Vacuum Gauge Regulator</u> to control or adjust the desired vacuum.
Warranty		At least three years for all parts or more
Optional		AMC

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Annexure-VSpecification of Electronic Weighing Balance

1	WEIGHING ELECTRONIC BALANCE(0.001 g)	<ul style="list-style-type: none"> • Should Have Monobloc Weighing technology • Should Have LCD Display • PAN Should Be of SS -304 Grade • Should Have Die Cast Aluminium Body • Should Have Provision to be connected with PC Without Use Of Software • Calibration :Internal • Readability (mg): 0.001 • Weighing Capacity: As Mentioned • Repeatability (mg): 0.001 	Max Capacity 820 g (0.001)
2	WEIGHING ELECTRONIC BALANCE(0.0001 g)	<ul style="list-style-type: none"> • Should Have Monobloc Weighing technology • Should Have LCD Display • PAN Should Be of SS -304 Grade • Should Have Die Cast Aluminium Body • Should Have Provision to be connected with PC Without Use Of Software • Calibration :Internal • Readability (mg): 0.0001 • Weighing Capacity: As Mentioned • Repeatability (mg): 0.0001 	Max Capacity : 220 g (0.0001)
3	WEIGHING ELECTRONIC BALANCE (up to 5 Kg)	<ul style="list-style-type: none"> • Calibration: external • Readability (g): 2-5 g • Weighing Capacity: up to 5 Kg • Should Be Water & Dust Proof (IP 54 Protected) • Should Have Dual Display • Should be Quoted With battery Back up System. (Rechargeable Battery Option) 	Max Capacity : 5 Kg

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Annexure-V**Check list****Sr. No Points to be verified****Yes/No**

- 1 Technical specification compliance sheet
 - 2 Tender fee
 - 3 EMD
 - 4 Photocopy of PAN and TAN card
 - 5 User list and certificates issued by clients
 - 6 Copy of income tax return certificate
 - 7 All other certificates as asked in tender document
- a)
 - b)
 - c)
 - d)

Place: Signature of Authorized Person**Date: Designation****Seal**

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