



DEPARTMENT OF PHARMACEUTICAL ENGINEERING & TECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY (BANARAS HINDU UNIVERSITY),
VARANASI – 221005, U.P

**ENQUIRY
(e-publish)**

Ref:IIT(BHU)/BM/18-19/QTN/142

Due Date:27/10/2018; 04:00PM
(Last date of quotation receiving)

Date:05/10/2018
(Date of tender enquiry)

Please submit your lowest rate for supplying the under mentioned items. Quotation in duplicate must reach us before the date marked above and should contain the following information:

1. Full specification and make of the item offered and its rate F.O.R.Varanasi/CIF New Delhi.
2. Concessional rate as applicable to educational institution.
3. Your GST registration number and TIN number.
4. Conditions of supply and terms of payment.
5. If you are a manufacture of the item or if you have proprietary right over it, please mention it in the quotation and provide a certificate.
6. Please mention your agency commission in Indian Rs., if applicable (in case of imported items).
7. Please give undertaking as per annexure-I-B
8. The Tender Fee for this Tender to be paid in the form of **Bank Draft** in favour of **Registrar, IIT (BHU) payable at Varanasi** before the Bid Opening Date and non-refundable Tender price of Rs. 1,000/-. The hard copy of DD for tender fee should be reached on or before the Bid Opening Date and Time at the address: **The Prof. B. Mishra, Pharmaceutical Engineering & Technology, Indian Institute of Technology (BHU), Varanasi – 221005.**

Quotation must be sent in a **sealed envelope** with word “**QUOTATION**”, our reference number, and due date as given above, clearly marked over it and addressed to **Prof. B. Mishra , Department of Pharmaceutical Engineering & Technology, IIT (BHU), Varanasi – 221005,U.P.**

SI. No.	Description /Technical Specification	Unit
1	Rotary Evaporator <ul style="list-style-type: none">➤ DC brushless motor drive with speed range of 20-280 rpm.➤ 1500 cm² or larger cooling surface area for better recovery rate➤ Timer function and graphical display for real time progress of operations➤ Manual, Automatic mode (solvent library) and Program function up to 10 individual procedure➤ Volume based distillation, 100% distillation should be possible➤ IR communication with heating bath which auto power off and avoids wired communications➤ CW & CCW Rotation with interval option for faster powder drying.➤ Motorised lift with safety stops function.➤ RS 232 and USB interface for software connectivity and Online Firmware update➤ Heating temperature range of RT to 180°C for water and oil bath application➤ Bath capacity of 3 litres or more➤ Heating bath can accommodate up to 3 litres of evaporation and receiving flask➤ Heating bath should have heat control accuracy of ± 1 K or less➤ Safety temperature circuit and Dry Run protection of heating bath➤ Locking function of heating bath for avoiding accidental changes of settings➤ Heating bath can be used as standalone unit for other applications	1

2	<p>Vacuum pump</p> <ul style="list-style-type: none"> ❖ Diaphragm speed controlled vacuum pump ❖ Four suction level with suction capacity of minimum 1.3 m³/h and ultimate vacuum of 2 to 7mbar. ❖ Pump should have self-cleaning function. ❖ Pump should have USB and RS 232 interface. ❖ Pump rate max. (50/60Hz) [m³/h] 1.32 ❖ Vacuum pump should have pump % mode of operation. ❖ Inbuilt solvent library ❖ Speed range [rpm] 285 – 1100 ❖ The Pump system should include a downstream vacuum safety emission condenser 	1
3	<p>Water Regulation Chiller</p> <ul style="list-style-type: none"> ❖ Temperature range deg C -10 to 40 ❖ Bath volume Litres 5 ❖ Pump type Force ❖ Pump pressure mbar 300 ❖ Pump flow rate 8mm nozzle Litres / min 8 ,12mm nozzle Litres / min 12 ❖ Cooling capacity @ 20 oC Watts 300 ,@ 0 oC Watts 200 ❖ Heater capacity Watts 2000 	1

N.B.: Other terms & conditions pertaining to item mentioned above shall be mentioned below:

OTHER TERMS:

1. **Spares:** state availability of spares for ten years.
2. **Indian agency commission:** Should be clearly stated in the financial bid in Indian currency.
3. **Consumable & spares:** List of the consumables and spares to be supplied with the system.
4. **Penalty:** A penalty of 1% of the order value will be applied for late delivery of the goods for each week thereof subject to a maximum of 10%.
5. **Bank Guarantee (BG):** Successful bidder have to furnish 5% of the order value as a performance security in the shape of Fixed Deposit Receipt / Bank Guarantee in favour of the Registrar, Indian Institute of Technology (BHU) which will be valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. Fixed Deposit Receipt / Bank Guarantee should be issued from a schedule bank in India. Bank guarantee is only applicable for the Supplier who will get the Award of Contract and will submit at the time of installation of the instrument.
6. **Payment:** The payment shall be made by LC. (Where 90% of payment against shipment and balance 10% payment at the time of satisfactory installation and submission of BG).
7. **User List:** Provide users for last 5 years with contact person name, address, phone, and email IDs.
8. **Manuals/Documents:** 1 set of hard copy and 1 set of soft copy in English (preferred as following). i. Operating manual ii. Maintenance manual iii. Servicing manual iv. Programming manual v. Spare parts list with source of supply and prices vi. Description of control interface vii. Circuit diagrams of PLC, drive controls etc viii. Manuals of bought out items incorporated in the system ix. Details of any custom made ICs & components & their sources x. Flow charts of all resident software xi. Test Chart xii. Pre-installation requirements of foundation plan details, electromagnetic interference and vibration.
9. Details of the standard samples to be provided by the company for testing the instruments at the time of installation at site for the demonstration of the performance of equipment.
10. Please provide the segmented quotation for each optional measurement capability.
11. The Tender document should also indicate what kind of service/maintenance is required for the system. Whether this service has to be carried out by a company engineer or it can be carried by trained service personnel within India. The frequency of visit and the charges should be mentioned.
12. The Tender should be enclosed with proper certifications like **Authorization Certificate and Proprietary Certificate in case of Proprietary items.**
13. Complete computer control of operation and measurement on Windows based platform. Give the details of software for measurement and analysis.
14. **Pre-installation site preparation/inspection requirements to be indicated and specified along with the bid.**
15. Installation and training should be provided free of cost otherwise clearly mentioned with justification.
16. Warranty period to be clearly mentioned and should begin from the date of installation. Annual Maintenance Contract Charges should be clearly mentioned after warranty period.
17. Guaranteed specifications to be demonstrated at the time of installation. Any necessary standard samples for that purpose should be brought by the Service Engineers.

18. Service manuals with complete circuit diagram and PCB layout for all equipment to be provided with the instrument.

19. **Submit Electronic copy of the Technical specifications and bids.**

20. The vendor to provide compliance statement with respect to each technical specification in the tender document duly supported by the manufacturer's literature. Any other claim will not be accepted and may lead to rejection of the bid.

21. **Printed literature in support of compliance to the prescribed specifications is to be submitted.**

22. **Compliance report needs to be submitted as a part of the technical bid.**

23. In case during shipment period newer versions of software/hardware is available with vendor in lieu of the existing one for which Letter of Credit was opened, then improved version should be made available without any extra cost.

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24. Institute reserves the right to visit installation in India of similar capabilities the details with to regard to such installation should be given as a part of technical bid.

25. Technical evaluation by the Institute may include demonstration to verify functionalities and capabilities of the system quoted.

The Sealed quotations will be opened on 31/10/2018 at 3.00 PM in the Chamber of Head, Department of Pharmaceutical Engineering & Technology, IIT (BHU), Varanasi – 221005, U.P. This is mandatory in case of e-publishing).

HOD/COS/PI ✓

Dr. B. Mishra

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Department of Pharmaceutical
Engineering And Technology
Indian Institute of Technology
(Banaras Hindu University)
Varanasi-221005

INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI

TO BERETURNED

Following proforma should be filled in and duly signed by the firm and sent along with the quotation. (Please refer to the detailed instructions/notes before filling this proforma).

1. Validity of the offer:
2. Approximate Delivery Period :
3. (a) Whether rates have been quoted F.O.R. site and covers packing forwarding and insurance charges. : YES /NO
 (b) If not, please mention the same :.....
4. (a) Whether the prices are inclusive of Sales Tax and Other taxes. : YES /NO
 (b) If not, kindly specify the amount /rate :.....
5. If the Sales Tax is charged extra, declaration for Charging Sales Tax correctly attached. : YES /NO
6. (a) Whether supply will be made directly or through Any Local / Regional / Authorized Dealer / Stockist: Directly/Stockist/Authorized Dealer
 (b) If through a Stockist / Dealer:-
 (i) Name and full address of the Party :.....

 (ii) Whether the order to be placed with the : Principal / Stockist /Dealer
 (iii) Who will raise the bill : Principal / Stockist /Dealer
 (iv) Cheques will be drawn in favour of : Principal / Stockist /Dealer
 (v) Whether any Delivery, Packing and Forwarding YES/NO

Charges will be payable to local Stockist/Dealer :

(Please specify the amount/percentage etc, if any)

7. Our terms of payment (Please indicate your preference by a (✓) mark).
 Please note that no other payment terms are likely to be accepted. .
 (a) **For Local Firms or if the bills are raised by the Local Dealers.**
 (i) 100% Payment on bill basis :.....

OR

- (ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation and satisfactory report.
(Only under exceptional cases)

(b) If the bills are raised by outstation Firms

- (i) 100% Payment on bill basis :
- OR**
- (ii) 100% payment against Proforma Invoice after receipt of materials in good condition, installation and satisfactory report :
- OR**
- (iii) D.G.S. & D. Terms of Payment for D.G.S. & D Rate Contract items :
- OR**
- (iv) 75% against Proforma Invoice (at site) or documents through Bank and 25% after receipt of materials in good condition, installation and satisfactory report. :
- OR**
- (v) 90% payment against Proforma Invoice (at site) or documents through bank and 10% after receipt of materials in good condition, installation and satisfactory report (Only under special Circumstances) :

- 8. Whether any Excise Duty is payable on the items. : YES /NO
If yes, indicate the amount /percentage. :%
- 9. Whether any installation charges are payable extra. : YES /NO
If yes, amount to be specified. :
- 10. Whether any discount for educational institution: offered on the printed price list of the manufacturer. : YES /NO
Please mention the amount /percentage. :
- 11. Whether the product is on DGS &D/D.I. Rate contract. : YES /NO
If yes, please enclose a photocopy of the same. :
- 12. Whether the product bears I.S.I. Mark. : YES /NO
If yes, please mention the I.S.I. License no. :
- 13. (a) Whether the firm is Sales Taxpayer. : YES /NO
If yes, please mention the Sales Tax Numbers. :
- (b) Whether the Local Dealer(s) is / are Sales Tax payer(s) : YES /NO
If yes, please mention the Sales Tax numbers of each :
- 14. Whether printed / authenticated price list of the Firm's Products and Catalogue etc. enclosed. : YES /NO

Signature of the Authorized Official with Seal

TO BE RETURNED WITH QUOTATION

UNDERTAKING

WE HEREBY UNDERTAKE THE FOLLOWING:

1. We will not sell the product (s) to other institutions, bodies and also in the market on the rates less than those quoted by us to the Institute.
2. The goods on which Sales Tax has been charged are not exempted for payment of Sales Tax under C.S.T. Act or U.P.S.T. Act or the rules made there under and the amount mentioned on account of Sales Tax on goods is not more than what is payable under the provisions of the relevant Act or Rules made there under.
3. The rate of Excise Duty mentioned in the quotation is in accordance with the provisions of the rules and the same is payable to the Excise Authorities in respect of the stores.
4. The goods / Stores / articles offered shall be of the best quality and workmanship and their supply will be strictly in accordance with the technical specifications and particulars as detailed in the quotation.
5. The information furnished by us in the quotation is true and correct to the best of our knowledge and belief.
6. We have read and understood the rules, regulations, terms and conditions and agree to abide by them.

Authorized Signatory (Seal)