



STORE & PURCHASE

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
(Affiliated to University of Delhi)
An Autonomous Institute of Govt. of NCT of Delhi
Azad Hind Fauj Marg, Sector-3, Dwarka, New Delhi-110078
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Website: <http://www.nsit.ac.in>

E-Tender Notice

Tender ID: 2015_NSIT_87724_1

Tender Enquiry No. : F.No.189 (12)/14-15/Pur/NSIT
Dated : 24/8/2015
Due Date For Submission : 14/9/2015

Online tenders are invited under Two-Bid system through e-Procurement from the reputed registered manufacturers or their authorized dealers/agencies or reputed suppliers having capacity to supply the following GOODS at NSIT as per the technical specifications & required quantity mentioned on Delhi Govt. E-Tender portal <http://govtprocurement.delhi.gov.in> along with General Terms & Conditions of the Supply.

Name of Goods	Supply of 5 Ltr. Rotary Evaporator with Chiller and Chemically Resistant Vacuum Pump
Estimated Cost of the Tender	Rs. 7.5 lacs (Approx.)
Earnest Money Deposit (EMD)	Rs.15,000/- (Refundable)
Date of Release of Tender	24/8/2015 at 5.00PM
Last date and time for downloading of tender	14/9/2015 at 5.00PM
Last date and time for online submission/ uploading of bids	14/9/2015 at 5.00PM
Date and time for opening of Technical bids	15/9/2015 at 11.00AM
Date and time for opening of Financial bids of the technically qualified bidders	It will be announced on the above portal after evaluation of technical bids.

Note: To participate in E-tendering process, the bidder has to register with Delhi Govt. portal at <http://govtprocurement.delhi.gov.in>.

Sd/-
Officer Incharge (Store & Purchase)
Netaji Subhas Institute of Technology,
Azad Hind Fauj Marg, Sector-3, Dwarka,
New Delhi-110078

DOCUMENTS of TECHNICAL BID

Technical Bid must contain the following Documents:-

A. Administrative Eligibility Document:

1. Scanned Copy of Earnest Money Deposit (EMD) for the Amount specified in E-Tender Notice through Electronic Funds Transfer (EFT) Method only i.e. ECS/RTGS/NEFT as specified in para 10 of General Terms & Conditions of Tender Document.
2. Scanned Copy of DVAT/CST Registration of the firm.
3. Scanned Copy of Pan Card of the firm.
4. Scanned Copy of latest DVAT/CST return.
5. Scanned Copy of Authorization Certificate issued by the OEM.
6. Scanned Copy of Certificate of Enlistment of Indian Agent with the DGS and D (Required by Indian Agents to quote and provide service support on behalf of his foreign Principals.)
7. Scanned copy of filled up Check List as per Annexure-A.

B. Technical Eligibility Document in support of meeting Requirement and Specifications:

8. Technical document of Specification or Specification leaflet of instrument.
9. Installation Report (s) of the instrument at different government Institution.
10. Certificate of testing of instrument from recognized organization.

Specifications of 5Ltrs Rotary Evaporator, Chemically Resistant Vacuum Pump and Chiller with Three years warranty.

Modular System rotary evaporator, chiller and vacuum pump

Rotary Evaporator:

1. Vertical condenser for all standard distillations for smallest space with motorized lift.
2. Auto Lift in case of power loss.
3. Evaporating flasks and receiving flask 1000ml, 500 ml, 250 ml, 100 ml, 50 ml, 25 ml and vapour tubes should be supplied with standard ground joint NS 29/32,
4. The coupling ring and the flange on the condenser side of the drive should be made of PPS (PolyPhenylene Sulfide), for robustness and with chemical resistance.
5. All glassware set should feature GL 10 thread
6. **Should have long life graphite filled PTFE vacuum seal**
7. **With non-sticking quick release vapour tube for easy cleaning, vapour tube should have large bore for fast distillation rates up to 1200 ml (H₂O)/hour**
8. The operating panel should be detachable allowing users of highest level of convenience to control the parameter change outside the fume hood.
9. With convenient large dial controls for adjustments of rotation speed from 20 – 270 rpm
10. With microprocessor controlled heating bath temperature 20® C – 210® C with digital display of bath temperature with heating capacity of 1300 W (Approx.).
11. The heating bath should be adjusted horizontally up to 200mm and should offer efficient space to accommodate evaporating flasks from 25 ml to 5000ml
12. **Should have approx 4” LCD digital graphic display which should feature all parameters (rotation speed, vapour temperature, bath temperature, vacuum pressure both set and actual, temperature and pressure ramping), with integrated vacuum controller.**
13. Should have USB Interface for data management with software
14. Three In-Built Programming feature, SET pressure, AUTO easy, AUTO accurate for AUTO distillation.
15. Should be offered with Vapour Temperature Sensor for Auto distillation.
16. **Should be able to set and program the 9 most common applications into memory**
17. **Should be able to program the required vacuum change in a ramp**
18. **Should have process timer which can allow unattended operations**
19. **Should have auto start and stop with just one press of a button**
20. Heating bath should have non-slip safety handles for safe and easy transport of bath
21. Should have over heat cut-off protection at 220® C
22. Heating bath should be constructed of an insulated double wall for user protection against burns and scalding.
23. Material of construction of heating bath should 1.4404 / ASIS 316 L (L = Electro-polished)
24. Volume of Heating Bath: 4.5 Ltrs (approx.)
25. Set bath temperature on display accuracy: +/- 1® C

- 26. Protection Class: IP 67
- 27. Condenser surface area: 120 cm²
- 28. Dimensions: 393mm L x 411mm W

Vacuum Pump:

Two –Stage diaphragm pump made from chemically resistant materials,
Suction capacity 2.0 m³/h
The vacuum pump should achieve an ultimate vacuum of 7 mbar

Chiller:

The chiller should be designed for rotary evaporators
Temperature range: 0°C to +100°C
Environmentally friendly CFC-free refrigerant

Annexure-A

Check List for Technical Bid

S.No.	Document of Technical Bid	Whether relevant document uploaded. (Please write Yes/ No)
1	Scanned Copy of Earnest Money Deposit (EMD) for the Amount specified in E-Tender Notice through Electronic Funds Transfer (EFT) Method only i.e. ECS/RTGS/NEFT as specified in para 10 of General Terms & Conditions of Tender Document.	
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