

NATIONAL INSTITUTE OF TECHNOLOGY  
KURUKSHETRA-136119

No. SCH/19/18/4118

Dated: 19/07/19

Institute website

**Sub: INVITATION OF QUOTATIONS FOR ROTARY EVAPORATOR**

1. You are invited to submit your most competitive quotation for the following goods:

Sr. No.	Brief Description & Specifications of Goods	Quantity
1.	Rotary Evaporator (Detailed Specifications are attached)	03 Nos.

2. Necessary literature of the goods may please be sent to facilitate to take decision.
3. Payment will be made Online through RTGS/NEFT within 30 days after receipt of material in good condition and according to specifications and installation of the same. The Bank detail for making online payment may be indicated in the quotation.
4. The supplier shall deposit Earnest Money along with the Quotation amounting to Rs. 40000 /- in shape of Accounts Payee Demand Draft/Fixed Deposit Receipt/Bankers Cheque or Bank Guarantee from any scheduled commercial Bank in favour of the Director, National Institute of Technology, Kurukshetra. The Quotations without Earnest Money shall be rejected, the EMD will remain valid for a period of 45 days beyond the final validity period of quotation.
5. Performance Security @ 5% of the total value of the equipment must be furnished in shape of Demand Draft/Fixed Deposit Receipt or Bank Guarantee from any scheduled Commercial Bank in favour of the Director, NIT Kurukshetra valid up to 60 days after the date of completion of warranty by the successful bidder.
6. The items must be supplied within delivery period or delivery period extended by the Institute on the request of the supplier on genuine grounds otherwise the penalty for delayed period @ 0.5% of the amount shall be charged for every week or part thereof and the maximum 10%. The request for extension of delivery period (if any) must be made before the last date of supply as per P.O.
7. Vide Notification No.45/2017-Union Territory Tax (Rate) and 47/2017- Integrated Tax Rate dated 14.11.2017 issued by the GoI Ministry of Finance, Department of Revenue towards exemption of GST, NIT Kurukshetra is eligible to get concessional GST (i.e. 5% in all cases) for the items which are supposed to be used in research activities of the Institute.
8. The goods are required exclusively for Research Purpose.
9. The quotation should remain valid for a period not less than 90 days from the date of submission.
10. The firm must have got GST No. printed on their quotation.
11. The right of accepting or rejecting any quotation and to cancel the bidding process and reject all quotations without assigning any reason is reserved with the Institute.
12. The supplier must attach copies of two latest purchase order (preferably from IITs/NITs) indicating the price for the equipment.
13. The due date for receipt of quotation is 08.08.2019 and will be opened on next working day at 10:00 AM. Please quote on the top of the envelope our Ref. No. and due date of opening.

  
17-07-19  
Prof-Incharge (Stores)

## **Specification Rotary evaporator , vacuum pump & Chiller**

- DC brushless motor drive with speed range of 5-300 rpm.
- 1500 cm<sup>2</sup> or larger cooling surface area for better recovery rate.
- Timer function and TFT graphical display for real time progress of operations.
- Device should have automatic cooling water, automatic ventilation and automatic heating bath management.
- Integrated solvent Library with minimum 40 solvent with expansion option and programming option for up to ten individual procedures.
- Volume based distillation, 100% distillation should be possible.
- IR communication with heating bath which auto power off.
- CW & CCW Rotation with interval option for faster powder drying.
- Motorised lift with safety stop function
- RS 232 and USB interface for software connectivity and data logging facility.
- Bath capacity of 3 litres or more with heating temperature range of RT to 180°C.
- Heating bath should have heat control accuracy of  $\pm 1$  K or less.
- Safety temperature circuit and Dry Run protection of heating bath.
- Locking function of heating bath for avoiding accidental changes of settings.
- Integrated vacuum controller for controlling process parameters.
- Speed controlled vacuum pump for automatic detection of boiling point.
- Speed of vacuum pump should be adjustable with digital display.
- Vacuum pump should have suction capacity of 1.3 m<sup>3</sup>/h or more and ultimate vacuum level up to 2 mBar or less
- Vacuum pump should have auto-cleaning function and should come with mechanical silencer.
- Vacuum pump should display speed of the pump.

## **Chiller**

- Temperature ranges of -20 to RT.
- 5 litres bath volume with level indicator.

