

CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur  
Central Purchase & Disposal Unit  
Office of the Comptroller

No.QSD/CPDU/4-15//CSKHKV-

6657-65

Dated 01 FEB 2021

**Notice Inviting Quotations for purchase of Automatic Nitrogen Estimation Unit**

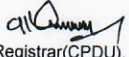
Sealed quotations are invited for the purchase of article listed below. The quotations should be strictly according to the terms and conditions as given below, otherwise the quotations will not be considered:

S. No.	Item Name	Specifications	Quantity	Rate (in Rs.)	GST % (in Rs.)		Total amount including GST (in Rs.)
					Rate	Amt.	
1.	Automatic Nitrogen Estimation Unit	Attached as Annexure-I	1 No.				

**TERMS & CONDITIONS**

1. The quotations should reach in the O/O the Comptroller, CSK HPKV, Palampur in sealed cover and super-scribed "quotation for purchase of Automatic Nitrogen Estimation Unit" on 24-02-2021 by 5.00 PM. The quotations will be opened on 25-02-2021 at 3.00 PM in the presence of quotee or their authorized representative, if present.
2. The rates should be quoted F.O.R. CSK HPKV, Palampur inclusive of all charges. Nothing will be paid extra. Concessional GST @ 5% will be applicable against GST exemption certificate issued by the University.
3. Price list should be attached.
4. The quantity of materials can be increased or decreased.
5. The Comptroller also reserves the rights to consider or reject any of the quotations without assigning any reason.
6. The supply of the material is to be made by the supplier immediately.
7. The quotation received after due date will not be considered.
8. The condition of advance payment or through cash etc. will not be considered.
9. The quotation should be submitted only if the items can be supplied promptly on demand.
10. The price quoted should be strictly according to the specifications stated above.
11. The payment will be made after satisfactory Inspection Report of the Inspection Committee so constituted for the purpose by the University.
12. Each quotation should be accompanied with a refundable earnest money @ 2%, if the total amount for the supply of the material exceeds Rs. 1.00 lakh in the shape of fixed deposit receipts/TDR/DD in favour of the Comptroller, CSK HPKV, Palampur. **Without EMD the quotations will not be considered.**
13. The supplier will adhere to the provision of Motor Vehicle Act for transportation of material.
14. Performance security will be obtained from successful bidder @ 5% of the awarded material.
15. GST may be shown separately, copy of GST registration be enclosed with quotation and GST No. may be mentioned in the quotation.
16. The E-way bill is to be required alongwith actual bill.
17. Authorization Dealer Certificate and warranty certificate duly attested must be attached with quotation.
18. The quotation should accompany the satisfactory user report/certificate from the institutions to whom the said equipment earlier supplied by the firm.
19. The conditional quotation will not be entertained.
20. The firms/suppliers shall observe all the guidelines/SOPs for COVID-19 prescribed by the H.P. State Govt/Central Govt. from time to time.

M/S \_\_\_\_\_

  
Asstt.Registrar(CPDU),  
CSK HPKV, Palampur.

Copy to:

1. The Scientist Incharge, RWRC, Malan, CSK HPKV.
2. Incharge, UNS, CSK HPKV, Palampur for uploading in University Website.

**SPECIFICATION OF AUTOMATIC NITROGEN ANALYSER (Kjeldahl Method)****PROGRAMMABLE DIGESTION UNIT for 8 tubes:**

Heating Block digestion system With Six place sample position in built temperature controller an over temperature protection, user definable, time control, display LCD, Thermostat automatic detection and alarm message, complete with Tube Rack, heat shield and exhaust system.

Temperature range	:	Ambient to 450°C (Digital Readout °C & °F)
Selectable Program	:	20 programmes with 4 temperature ramp with each program
Accuracy	:	± 0,5°C
Heating speed	:	20 to 450°C in 20 minutes
Selectable Time	:	001 to 999 minutes
Interface	:	RS232
Safety	:	1) Over temperature cut off 2) Damaged Temperature probe – Display visualized and acoustic signals.

**Scrubber & Re-circulating Pump**

- Atomization and optimization of the sucking power
- Strongly reduces water consumption in comparison to water jet pumps connected to tap Disposes condensates; control and replacements of neutralization solution. Best suitable with Re-circulating water pump for fume aspiration, avoids gaseous pollutants in the air.

**Semi Automatic Distillation unit**

Automatic distillation procedures: alkali (sodium hydroxide) addition and distillation time

- Conformity with AOAC, EPA, DIN and ISO standards
- Chemical resistant plastic housing,
- Recovery must be ≥ 99.5% at nitrogen levels between 1-200 mg N
- RSD must be ≤ 1%
- Detection limit: ≥ 0.1 mg N
- Steam generator should have without level sensor and non pressurised.
- Automatic water dilution with residue removal
- Steam flow regulation 10-100%
- Absence of pressure in the steam generator to increase the safety level
- Metallic (Titanium) Condenser with minimal maintenance and efficient thermal exchange high N recovery.
- No need of an external chiller (thanks to the special condenser) and Limited water consumption.
- Alarm messages and audible signal
- Two-line display to manage all the most relevant parameters .
- Devarda delay from 00:01 to 99:59 (min:sec)