# KUMAUN UNIVERSITY, NAINITAL

**KUMAUN UNIVERSITY, NAINITAL**

**TENDER NOTICE**

Sealed tenders (in two bid system) are invited for supply of vivid scientific instruments, to Dept. of Biotechnology, Kumaun University, Nainital . For details and downloading of tender document & last date etc. log on to website kunainital.ac.in.

Registrar

निम्नलिखित समाचार पत्रों को इस अनुरोध के साथ प्रेषित कि वे इस विज्ञापन को अपने समाचार पत्र में 4X6 सेमी0 के कालम में दिनांक 06 मार्च 2021 के अग्रलिखित संस्करण में प्रकाशित करने की कृपा करें एवं बिल अधोहस्ताक्षरी को प्रेषित करें।

1 दैनिक जागरण (कुमॉऊ संस्करण)

पत्रांक– सा०/स्टोर/2021/1226 दि0-05/03/2021

प्रतिलिपि–

1 वित्त अधिकारी, कु0वि0वि0, नैनीताल।
2 सहायक लेखाधिकारी,, डी0एस0बी0 परिसर, नैनीताल।
3 सूचना अधिकारी, कु0वि0वि0, नैनीताल।
4 निजी सचिव, कुलपति को, कुलपति जी के सादर सूचनार्थ

कुलसचिव
कु0वि0वि0नैनीताल

9/6

# KUMAUN UNIVERSITY, NAINITAL

## KUMAUN UNIVERSITY, NAINITAL

**TENDER NOTICE**

Sealed tenders are invited under two bid system from the manufacturers and/ or authorized dealers/subsidiary of foreign manufacturers (in cases imported items only) for supply of vivid scientific instruments. Tender documents can be obtained from the office of the Dept. of Biotechnology, Bhimtal Campus, Bhimtal (Nainital) on any working day w.e.f **06/03/2021to 20/03/2021 upto 4.00PM** on payment of Rs.2950/- in cash or Bank Draft drawn in favour of "Biotechnology A/c, F.O. Kumaun Universtiy", payble at Nainital or could be downloaded from university website. For details and downloading of tender document logon to website kunainital.ac.in. Last Date for submission of sealed tender is 20**/03/2021 upto 4.00PM.** Technical bid will be opened on **21/03/2021 at 11.00AM** onwards at university administrative block Mallital, Nainital

Phone no. 05942--248042

Registrar

पत्रांक– सा०/स्टोर/2021/1226 दि० - 05/03/2021

प्रतिलिपि–

1 वित्त अधिकारी, कु०वि०वि०, नैनीताल।
2 सहायक लेखाधिकारी,, डी०एस०बी० परिसर, नैनीताल।
3 सूचना अधिकारी, कु०वि०वि०, नैनीताल।
4 निजी सचिव, कुलपति को, कुलपति जी के सादर सूचनार्थ

कुलसचिव
कु०वि०वि० नैनीताल

# KUMAUN UNIVERSITY, NAINITAL

## TENDER DOCUMENT

| | | |
|---|---|---|
| **Tender No.** | : | ..... |
| Date of Issue | : | ..... |
| Name of the Firm | : | ..... |
| Address of the Firm | : | ..... |
| | | ..... |
| | | ..... |
| No. of Pages | : | 34 |
| Issue of Tender | : | 06/03/2021 |
| Last date of issue of tender (time) | : | 20/03/2021 (4.00PM) |
| Last date of receipt of tenders (time) | : | 20/03/2021 (4.00PM) |
| Date of opening of tenders (time) | : | 21/03/2021 (11.00PM) |
| Fee of Tender form | : | Rs.2500.00+18 % GST= 2950/- |
| | | (Two Thousand Nine HundredFifty Only) |
| Signature of the Vendor With Seal | : | ..... |

**Note:**

1. Kindly go through the enclosed "**Terms &conditions and Instructions**" thoroughly. The tender forms should be complete in every respect.
2. Kindly ensure that different parts of the bid are submitted in clearly marked separate sealed envelope.



**Sign of Tenderer**

## CONTENTS





**Sign of Tenderer**

# KUMAUN UNIVERSITY, NAINITAL

No.....  Date:

## TENDER NOTICE

Sealed tenders are invited in two bid system from the manufacturers and/or authorized dealers/subsidiary of foreign manufacturers (in case of imported items only) for supply of vivid scientific instruments. Tender documents can be had from the office of the **Department of Biotechnology, Bhimtal Campus, Bhimtal (Nainital)** on any working day **w.e.f. 06/03/2021 to 20/03/2021 upto 4.00PM** on payment of Rs.2950.00 (2500 + 18% GST) in cash or Bank Draft drawn in favour of "**Biotechnology Account, F.O. Kumaun University**", payable at Nainital or could be downloaded from university website. For details and downloading of tender document logon to website **www.kunainital.ac.in**. Last Date for submission of sealed tender is 20/03/2021 **upto 4.00PM** and Technical bid will be opened on 21/03/2021 **from 11.00AM** onwards at university administrative block, Mallital, Nainital.

Phone no. 05942 -248042



**Sign of Tenderer**

# PART 'A'

# TECHNICAL BID

1. If the formalities regarding Technical bid are not complied with, Part-B of tender (Financial bid) shall not be opened.

2. To be submitted in a separate envelope superscribing **'Technical Bid"**



**Sign of Tenderer**

# KUMAUN UNIVERSITY, NAINITAL

**TENDER FORM FOR THE SUPPLY OF: _____**

***"PLEASE CAREFULLY GO THROUGH THIS DOCUMENT AND ENSURE COMPLIANCE. THE NON-COMPLIANCE OF ANY CONDITION MAY MAKE YOUR OFFER INVALID"***

**PART-A : Technical Bid**

"Please furnish the following information in this part so as to enable the panel to decide about the qualification in the Technical Bid. Necessary valid documents/certificates from the appropriate authority must be attached sequentially in support of statement at serial '4' to '17' below.

For qualification criteria the tenderers are required to have supplied details of Turnover and a specified amount of supplies made during the last financial year and the bidders have to furnish an authentic certificate from their clients in support of satisfactory performance."

Tenderer's reference No. :_____ Date : _____

1. Application for the supply of : _____

2. Name of the Tenderer : _____

3. Address : _____

_____

(A)Telephone No. _____ (B) Mobile No._____
(C) Fax No._____ (D) e-mail _____

4. Earnest Money (Must be attached with technical bid)
   (a) Amount : Rs. _____
   (b) In favor of : Biotechnology A/c, F.O. Kumaun University
   (c) FDR/TDR No. & Date : A/c, M/s _____

5. Status of the applicant : _____
   (Whether manufacturer/authorized Indian Agent/authorized distributor/authorized dealer As per tender notice. (Certificate must be Submitted from appropriate authority)

6. Manufacturing license No. & Date : _____



**Sign of Tenderer**

7. GST registration No. & Date : _____

8. Income tax PAN No. : _____

9. ISO/ISI award letter No. : _____
(In case it is awarded to the firm)

10. Annual Turnover for the last year : _____
2019-2020 (Related Document to be attached)

11. Details of major clients for the last : _____
year only (to be attached separately)

12. Details of order complied during last year
(Certified copy enclosed)
Name of Client & Address : _____

Amount : _____

13. Quantum of supplies to Kumaun : _____
University (Department wise abstract to
be attached separately in last year)

14. Please certify that you are not blacklisted: Notarized affidavit is to be attached.
by any department of Central/State govt.
or University or any public institution

15. Indicate the after sales service available :
(Especially in Uttarakhand, Certificate from
Manufacturer must be enclosed)
(a) No. of Engineers & technical staff: _____
(b) No. of Vendors : _____
(c) No. of service stations : _____

16. Please enclose separately the technical : _____
Specifications (without rates) of the
product for which tender rates are submitted

17. Nearest duly authorized dealer's name : _____
And address alongwith recent
Authorization letter
Phone No./Mobile No./Fax No. : _____
e.mail : _____



**Sign of Tenderer**

NOTE : Below mentioned documents must be attached in the order indicated hereunder –

1. Earnest money in shape of FDR, TDR, DD & Banker cheque only.
2. Technical bid form duly signed.
3. General terms & conditions duly signed.
4. Instructions to the tenderers duly signed.
5. Copy of manufacturing license from appropriate authority, if applicable.
6. Copy of certificate of dealership/distributorship, if applicable.
7. Copy of Sales tax/trade tax/GST registration certificate.
8. Copy of last sales tax return clearance (relevant portion)
9. Turnover for last year (only extract of the relevant portion of profit & loss A/c, Balance sheet & sales tax documents for proof of turnover).
10. Proof of copy for details of order complied as per supplies to University during the year 2019-20, if applicable.
11. Manufacturers must submit a certificate along with the application about the entire responsibility of their dealer in case the supply is to be made through dealer, etc.
12. Notarized affidavit regarding no-blacklisting.
13. Signed Technical Specifications (without rates) of the product with any other related literature, all the required documents of technical bid sealed in a separate envelope duly superscribed 'Technical Specification for equipments - for which bid form is submitted).

**EXTRA DOCUMENTS OTHER THAN THE ASKED FOR SHOULD NOT BE ATTACHED**

**Note : Before sending/submitting the tender, the tenderers should read carefully, the attached terms & conditions, special conditions, instructions to the tenderers and fill the columns of technical & financial bid.**

Signature of Issuing Authority

Signature of Registrar

## DECLARATION BY TENDERER

I/We declare that the information (From 1 to 17) and attached documents/certificates supplied above (From 1 to 13) is correct and I/We have read **the attached terms & conditions, instructions to the tenderer** all the terms & conditions of tender and accepted them in full.

Signature of tenderer
With Seal



**Sign of Tenderer**

# KUMAUN UNIVERSITY, NAINITAL

No. .....  Date:

## GENERAL TERMS AND CONDITIONS FOR TENDER

(Jurisdiction – Nainital, Uttarakhand)

1. Sealed tenderers are invited by the "Registrar, Kumaun University, Nainital" for supply of 'Equipments, to Department of Biotechnology, BHIMTAL'.

2. (For a two bid tender) Technical bid and Financial bid should be sealed by the tenderers in two separate envelopes duly superscribed and both those sealed envelopes should be placed in a bigger envelope which should also be sealed properly, super-scribing "Technical & Financial Bids" for the supply of 'Equipments, Department of Biotechnology, BHIMTAL' due on '.....'.

3. (a) The Technical Bid is to be sealed in separate envelopes duly superscribed 'Technical bid' and put in a big envelope duly superscribed "Technical bid for the supply of Equipments".

   (b) The envelope containing Financial Bid should be superscribed "Financial Bid for the supply of Equipments/glasswares/ chemicals/other items,".

4. **The tender should quote in figures as well as in words the rates and total amount tendered by them in the prescribed column of the list of instrument.** Alteration, if any, unless legibly attested by the tenderers, with their full signature shall invalidate the tender. Each page of tender should be signed by the tenderers himself/themselves or by his/their authorized agent on his/their behalf. In case the tender is signed by the agent, the authority letter in his favour must be enclosed with the letter.

5. Supply of goods is acceptable on bill basis only. **R.R./documents through bank are not acceptable.**

6. Tender documents must be submitted consisting of, notice inviting tender, tender form (technical and/or financial), general terms & conditions of supply, instructions to the tenderers, schedule of items duly filled, completed & every document must be signed by the tenderer.

7. Tender should be submitted in sealed cover to the office of the '**Head, Department of Biotechnology, Kumaun University, Bhimtal Campus, Bhimtal (Nainital) 263136 (Uttarakhand)**'.

8. Tender will be received in the office up to 4.00 PM on 19/03/2021 by Courier/Registered post.



**Sign of Tenderer**

9. Technical bid of tender will be opened on 20/03/2021 from 11:00 am onwards in the presence of the tenderers or their authorized representative who may like to be present at the time of opening of the technical bid.

10. For all items the financial bid shall be opened only for those firms whose technical bids recommended by the Purchase committee and found to be as per specifications, terms & conditions of the tender asked for.

11. In case the due date is declared a holiday, the tender shall be opened on next working day at same time.

12. The supplier will have to attach a certificate to the effect that the material to be supplied will be of the specification conforming to standard of the item specified in the attached schedule & conditions.

13. GST or any other tax or other charges on the material, which has not been mentioned while quoting their rates shall not be paid by the University under any circumstances.

14. The terms & conditions given by the supplier will not be binding on University. Conditional tenders shall be rejected at the sole discretion of the competent authority of the University.

15. The manufacturer should mention their address of manufacturing unit so that the site may be inspected, if required.

16. A tenderer shall not submit more than one tender for the same set of goods.

17. The tender so submitted shall be governed by the laws of India and be interpreted in accordance with such laws.

18. The tenderers may be called for technical discussions by the purchase committee duly constituted or nominated by the competent authority of this University.

19. It must be mentioned clearly whether tenderer is a manufacturer/authorized dealer for the items for which he is quoting.
    a. **Manufacturer** must add a certificate that item(s) is manufactured by them as per range of products.
    b. **Authorized agents** must add authority letter from their Manufacturer/Principals on the letter head of the manufacturer/principals that they are quoting rates on behalf of them. The validity period of the authorization letter must be mentioned in the authority letter, otherwise tender will be liable to rejection.
    (c) Tenders are likely to be rejected in case it does not confirm to the specifications, desired make, terms & conditions etc as laid down.

20. The tenderer should have good track record in government supplies. The tenderer should have, in last year, supplied similar items to government institutions and must enclosed a copy of order under either one of these conditions:-



**Sign of Tenderer**

(i) Atleast single purchase order of value more than Rs 1,00,000.
(ii) Atleast 2 purchase orders of value more than 50,000 for each purchase order.
(iii) Atleast 4 purchase orders of value more than 25,000 for each purchase order.

21. The number/quantity shown in the list of equipments is tentative and may be increased or decreased to any extent depending upon the actual requirement and the order for supply can be divided into quarterly/monthly requirement basis as per the discretion of the University/Department.

22. The tenderer shall submit the pre-requisite information for installation, like electrical, water facilities, air conditioning details etc. along with the tender.

23. The University/Department reserves the right to cancel/reject in full or any part of the tender without assigning any reason and to relax (to any degree) one or more of the conditions of this tender in any case.



**Sign of Tenderer**

## COMPLETE AGREEMENT:

24. **The tenderers shall submit their offer on the original copy of the tender document only duly signed by them on each page** item wise rates indicating units can be offered on letterhead of the firm. Additional pages may be attached for providing supplementary information wherever need be.

25. The **Registrar, Kumaun University, Nainital/ Head, Department of Biotechnology, Kumaun University, Bhimtal Campus Bhimtal may in writing make any revision or change in the purchase order,** including additions or deletions from the quantities originally ordered or in the specifications. This should be communicated to the vendor within **(15) fifteen days** of the date of dispatch of such orders by the Department.

## CANCELLATIONS:

26. The University/Department reserves the right to cancel the purchase order in whole or any part thereof and shall be entitled to revise the contract completely or in part by a written notice to the vendor, if:
    (a) The vendor fails to comply with the terms of the purchase order including specifications and other technical requirement.
    (b) The vendor becomes bankrupt or goes into liquidation.
    (c) The vendor fails to deliver the goods in time and/or does not replace the rejected goods promptly.
    (d) A receiver is appointed for any of the property owned by the vendor.

27. Upon receipt of the said cancellation notice, the vendor shall discontinue all work of the Purchase Order and matters connected with it.

## EARNEST MONEY & SECURITY DEPOSIT:

28. The Tender should be submitted alongwith a demand draft or fixed deposit receipts or bankers cheque or Bank guarantee only in favour of the '**Biotechnology Account, F.O. Kumaun University,** ', payable at **Nainital.** Amount of bid security (EMD) should ordinarily range between **2% to 3%.** The given percentage will depend on the total cost of the goods/items as follows:-
    **(i) Upto Rs. 25 lakh – 3%**
    **(ii) Above Rs. 25 Lakh – 2% shall be charged (Minimum Rs. 75000/-)**
    Tender without proper earnest money shall not be considered. **No Cheque shall be accepted.**

29 . In terms of note 2(3) to rule 273 of GFR, Bid security will be liable to be forfeited, if the tenderer withdraws or amends/impairs or derogates from the tender in any respect within the period of validity of his tender.



**Sign of Tenderer**

30. In case of equipments, only on sight warranty will be accepted. No interest is payable on the EMD and security deposit amount.

31. The purchaser has the right to forfeit performance security in case of any breach of contract committed by the supplier.

**PRICE:**

32. The price quoted should be F.O.R. & delivery at site (**Department of Biotechnology, Kumaun University, Bhimtal Campus, Bye-Pass Road, Mallital, Bhimtal 263136 District- Nainital, Uttarakhand**) basis, inclusive of all levies and duties **except taxes** wherever applicable which should be indicated in the offer clearly. The rate of GST should be clearly indicated wherever chargeable.

**VALIDITY:**

33. The offer of the tenderers shall remain valid till 31st March 2021 from the date of opening of technical bid. No change in rates, technical specifications, terms and conditions will be allowed during the validity of the said tender.

**GUARANTEE/WARANTEE:**

34 .The supplier should invariably incorporate guarantee/warrantee clauses in his/her offer wherever applicable. While incorporating G/W clause, nature & duration should be specifically mentioned.

35. Supplies will be strictly as per brand/specifications as specified in the tender form. Product must bear the brand name, lot no., date of manufacturing and date of expiry etc., as the case may be. Substandard supplies shall be rejected out rightly and the supplier shall be held responsible to make good the loss so incurred and that the University shall take necessary action against the firm/supplier, as deemed fit.

36. If during the period of tender, the price(s) of the contracted stores falls, the supplier shall have a binding to charge the prevailing lower rates against the higher contract price. However, the purchaser is not liable to compensate the supplier any hike in the tender price during the contact period.

37. Free replacement will be made against defective/damaged supplies by the firm/supplier at their own cost & risk at user's site.

38. The successful tenderer is also required to submit two sets each of the **operating manual & service manual** along with the relevant **circuit diagram** of the supplied equipment/instrument.

**PAYMENTS:**

39. The payment would be released after full delivery, inspection of the supplied equipment and satisfactory testing of the equipment/instrument, submission of performance bank guarantee AMC



**Sign of Tenderer**

and other relevant papers pertaining to all statutory clearance (to be done at the Vendor's end). In case of imported items the letter of credit will be established on 80% of CIF destination value.

**DELIVERY:**

40. Supply of ordered material should be/required to be completed within stipulated date/time from the date of issue of firm order failing which the university reserves the right to forfeit the earnest money and cancel the order. Part supply shall not be accepted normally however in genuine case, permission may be grated.

41. Rejected equipment/instrument would be removed by the Vendor from the site.

**FORCE MAJEURE:**

42. Forced Majeure shall mean and be limited to the following:
    (a) Any war/hostilities
    (b) Any riot or civil commotion
    (c) Any earthquake, food, tempest, lighting or other shall natural physical disaster.
    (d) Any strike, or lockout (only those exceeding ten continuous days in duration) affecting the performance of the sellers' obligation.

43. The seller shall advice the University by a registered letter duly certified by local chamber of commerce or statutory authorities the beginning and end of the above causes of delay within seven (7) days or occurrence and cessation of such Force Majeure conditions in the event of delay lasting over one month, if arising out of causes of Force Majeure, the university reserves the right to cancel the order and the provisions governing termination stated under article shall apply.

**PENALTY & DISPUTES:**

44. In case of supply order being placed on you:
    "As time is the presence of this order, the date of delivery should be strictly adhered to otherwise the University reserves the right not to accept delivery in part or full and claim the liquidated damages 1% per week subject to a maximum of 10% of total value of the supply order."

45. Any dispute arising in process of the tender, the matter shall be referred to the sole arbitrator who in such case shall be the "**Vice-Chancellor, Kumaun University, Nainital**", and whose verdict shall be binding on both the parties. The jurisdiction of Nainital Courts only shall be the venue for settling legal disputes if any.

**Signature of issuing authority**

I have read the above terms & conditions (From 1 to 45) and understood them carefully and agree to abide by the same.

**Dated:** _____

**Signature of Tenderer**
**With seal**



**Sign of Tenderer**

46. (In case tender documents are downloaded from University Website by the firm then following certificate should also be signed by the tenderer).

"Certified that we have downloaded the tender documents from University Website and for any difference in contents from original document we shall be fully responsible and understand that purchase order placed, if any, may be terminated by University on this account. The tender fee of 'Rs. 2500.00 + GST 18% =Rs. 2950.00' is enclosed in shape of Bank Draft No ..... date ..... drawn in favour of **'Biotechnology A/c, F.O. Kumaun University', Payable at 'Nainital'.**

**Signature of Tenderer**
**With seal"**



**Sign of Tenderer**

# KUMAUN UNIVERSITY, NAINITAL

No. .....  Date: 06/03/2020

## INSTRUCTIONS TO THE TENDERER

1. Tender should be addressed to the "Head, Department of Biotechnology, Kumaun University, Bhimtal Campus, Bhimtal (Nainital), Uttarakhand and be sent in a properly sealed cover. The tender should be sent in an envelope superscribed as "Tender for the supply of Vivid Equipments– Department of Biotechnology, Bhimtal, Due on ....."
2. The stores offered should be strictly according to the brand/specifications as mentioned in the tender documents.
3. Earnest money as per conditions stipulated shall be deposited along with the tender/technical bid in the shape of an DD/FDR/TDR, duly pledged or in favour of the 'Deaprtment of Biotechnology, Bhimtal'. Tender without earnest money will not be accepted. In case tender is not accepted for award of contract, the earnest money shall be refunded after its finalization. The EMD should be drawn from the account of the tendering firm otherwise tender shall be rejected. FDR/TDR issued in personal name shall not be accepted.
4. Tenders shall be received in the office of the of the 'Head, Deaprtment of Biotechnology, Kumaun University, Bhimtal Campus, Bhimtal (Nainital), Uttarakhand' & opened as per schedule given in the notice in presence of the tenderers or their representative who may like to be present at the time of opening of the same.
5. The tenders may be dropped in the Tender box kept in the office of the issuing authority and the same may also be sent by post/courier but the University will not be responsible for any postal delay or otherwise. Tenders received after the stipulated date & time are liable to be rejected.
6. Tender for each brands/stores of material as specified in the notice inviting tender/press notification is required to be submitted separately.
7. Firms black-listed by any of the department of central/state govt. or Kumaun University need not to tender.
8. Interim enquiries or subsequent offers if any will not be entertained.
9. Tenders, which do not fulfill all or any of the above conditions or found incomplete in any respect are liable to be rejected.
10. The Earnest Money shall be released only after satisfactory installation of equipment/items in all respect and as per the terms & conditions of the tender.
11. The acceptance of tenders rests with the Vice-Chancellor of the University who does not bind himself to accept the lowest tender & reserves the right to reject or partially accept any or all the tenders without assigning any reason whatsoever thereof.
12. Every tenderer shall give a certificate in writing about the manufacturer whose brand is being promoted by him.
13. The maximum rate of discount on the manufacturer's price list offered by the tenderer & the rates tendered may be indicated clearly in figures and words.
14. No overwriting or cutting on the prices is allowed; if so certificate of the manufacturer to this effect may be attached with the tender.



**Sign of Tenderer**

**Signature of issuing authority**

I have read all instructions (From 1 to 14) carefully and promise to abide by them during the period of contract.

**Dated:** _____

**Signature of Tenderer**
**With seal**



**Sign of Tenderer**

# PART 'B'

# FINANCIAL BID

1. This part shall be opened only on the satisfactory acceptance of '**PART-A (Technical Bid)**' of Tender Bid.
2. Ensure that Financial Bid is not included in 'Part-A' otherwise the tender may be rejected.
3. To be submitted in a separate envelope superscribing **'Financial Bid'.**



**Sign of Tenderer**

No.....

# KUMAUN UNIVERSITY, NAINITAL

**TENDER FORM FOR THE SUPPLY OF :** _____

"PLEASE CAREFULLY GO THROUGH THIS DOCUMENT AND ENSURE COMPLIANCE. THE NON-COMPLIANCE OF ANY CONDITION MAY MAKE YOUR OFFER INVALID"

**PART-(B): Financial Bid**
**(To be kept in a separate sealed envelope )**

Tenderer's reference No._____ Dated: _____

1. Application for the supply of : _____

2. Name of the Tenderer : _____

3. Address : _____

_____

(A)Telephone No. _____(B) Mobile No._____
(C) Fax No._____ (D) e-mail _____

4. Status of the applicant : _____
(Whether manufacturer/(original) authorized Indian Agent/Authorized distributor/Authorized Dealer/Trader as per tender notice. (Certificate Must be submitted from appropriate authority)

5. Telephone No., Fax No., e.mail of Foreign principals : Telphone _____
Fax No. _____

e.mail _____

6. Registration No. with DGS&D (in case The authorized Indian agent of foreign manufacturers) : _____

7. Country of origin of the equipment : _____
Indigenous _____

8. Cost of equipment



**Sign of Tenderer**

(i) In Indian Rupee : _____

(ii) In foreign currency

a. FOB value with currency : _____

b. Insurance & freight charges : _____

c. CIF value with currency : _____

9. Validity of rates (Period) : Minimum One Year

10. Mode of supply : _____
Direct/Through dealer (Please give full Name & address of the dealer (if any)

11. Specify GST

(A) Full GST : _____

(B) Concessional GCST : _____

NOTE:

(i) Over writing in tender will not be accepted. Cutting if any should be properly signed by the tenderer.

(ii) University is not bound to make any part payment if full supplies are not made at a time and make purchase on lowest quoted rates.

(iii) The tenderer should enclose required certificates in the same order as mentioned above & serialize them accordingly, and fillip all columns of the tender documents strictly.

(iv) Before sending /submitting the application/tender, the applicant should read carefully the attached terms & conditions and instructions sheet.

(v) Tenderer should clearly mention the tax, duties and any other levies applicable apart from the price in their offer.

(vi) Kindly quote individual prices for every items.

**Signature of issuing authority**

**Dated:** _____

**Signature of Tenderer**
**Name & Seal of Firm**



**Sign of Tenderer**

# 1. AUTOCLAVE

1. Should be Horizontal Autoclave Cylindrical
2. Construction -The unit has outer chamber, Boiler, Lid and Jacket & inner chamber all made of 304 grade stainless
3. Steel. The jacket should be made of SS-304 grade steel sheets.
4. For controlling sterilization cycle, a three way valve or a multiport valve/three way valve - made of S.S./Brass should be provided.
5. It should be supplied complete with vacuum breaker, water level indicator, steam trap and automatic pressure control switch, low water cut of device & microprocessor based PID controller.
6. The whole unit should be mounted on a robust tubular stand made of mild steel pipes, duly painted with attractive stoving enamel, air drying paint.
7. To work on 3 Phase, 440 Volts A.C. Supply.
8. Standard Controls:
9. Multiple Operating Valve :To carry out all functions of sterilization cycle at one point i.e.
10. steam to jacket, steam to chamber, fast/ slow exhaust and vacuum/ drying
11. Door: Single door shall be fitted with radical shooting arm, provided with automatic pressure locking device so that the door cannot be opened till chamber pressure is fully exhausted.
12. Accidental Vacuum Breaker: A safety device so jacket against accidental vacuum in it and to remove residual air from it.
13. Safety Valve: A safety device against excess pressure in jacket and steam generator.
14. Plug Screen: A device to prevent chamber, discharge line from lint/sediment.
15. Chamber Condensate Line: Incorporated with thermostatic steam trap and check valve
16. for perfect condensation from chamber to achieve optimum temperature.
17. Pressure & Compound Gauge : Should indicate jacket and chamber pressure / vacuum resp.
18. Steam Generator (Boiler) :Shall be attached to underneath the jacket. It shall be fitted with
19. ISI marked water immersion type industrial heating elements.
20. A magnetic automatic water level float switches to protect heater from low water level. Water inlet & outlet valves.
21. Water level indicating gauge glass with SS guard and with automatic water closing device in case of breakage of glass tube.
22. Automatic pressure stat switches to control the boiler/jecket pressure.
23. Working Chamber Size: 550x750 mm
24. Capacity : 150 Liter
25. Type Cylindrical type single door
26. Controlled Semi Automatic with Manual Pressure Release
27. Construction Triple walled with jacket and sterilization chamber
28. Sterilization Chamber Stainless Steel SS 304
29. Jacket Stainless Steel SS 304



**Sign of Tenderer**

30. Insulation Glass Wool
31. Lid Stainless Steel SS 304
32. Gasket Silicon
33. Locking System Radial locking system (Mild Steel)
34. Ring Stainless Steel SS 304
35. Boiler Made of stainless steel SS 304 Water inlet & outlet valves Water level glass window
36. Working Temperature : 121 to 134o C
37. Working Pressure : 15 to 30 psi
38. Sensor PT 100
39. Heater ISI Marked (9 kW)
40. Pressure Valves Open/close type release valves for chamber & jacket
41. Pressure Gauges Dial type pressure gauges for chamber & jacket
42. Pressure Control Automatic pressure control switch
43. Controller Microprocessor based ,Inbuilt digital timer, End cycle buzzer alert
44. Multiport valves Multi port valve Steam transfer to chamber Only chamber pressure release Chamber & Jacket pressure release Slow & Fast Exhaust Function
45. Safety Device Pressure safety valve for boiler Pressure safety valve for chamber & jacket Low water safety cut off protection
46. Fittings Steam/Moisture Trap, Vacuum Breaker
47. Water Inlet Manual water inlet by open/closed valve
48. Automatic Steam Release Function with microprocessor based digital controller with purging system by solenoid valve:
49. Power Supply 440 V, 3 Phase, 50 Hz
50. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

## 2. CO2 INCUBATOR

1. Temperature Control Method : Direct Heat and Air Jacket using Microcontroller PI
2. Ambient Temperature Range: 18 to 34˚C (64 to 93 ˚F)
3. Temperature Range, °C : Ambient +3 to 60
4. Temperature Uniformity, °C : < ±0.5
5. Temperature Accuracy, °C* : < ±0.1
6. Temperature Recovery Time : ≤5 minutes (after 30 seconds door opening, 98% from initial value)
7. CO2 Control System Microcontroller PI
8. CO2 Range, % CO2 0-20
9. CO2 Accuracy, % CO2 ±0.1
10. CO2 Sensor Infrared (IR) Sensor
11. CO2 Recovery Time ≤5 minutes
12. (after 30 seconds door opening, 98% from initial value)
13. Humidification Method Humidity pan
14. Humidity Range %: up to 95%
15. Main Body should be Electrogalvanized steel with ISOCIDE antimicrobial coating
16. Interior Material Stainless steel, type 304
17. Minimum number of Shelves: 4
18. Shelves Area (W x D) 465 x 470 mm (18.3" x 18.5")
19. Should be Supplied with: Co2 Cylinder with single stage regulator (1Nos. each)
20. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

## 3. -20°C DEEP FREEZER

1. Upright freezer
2. Capacity: =/> 310 liter / 11Cu.Ft
3. Temp range: -16°C to -25°C
4. High quality and effective compressor
5. High density foam in place of PUF insulation between outer and inner chamber for minimal thermal losses.
6. Minimum 5 transparent drawer & 3 flap reversible door
7. CFC/HCFC free refrigeration system
8. ISO 9001, 14001 Certified
9. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

## 4. ELISA READER

1. It should have all the accessories to take reading in: 6-, 12-, 24-, 48-, 96- and 384 well plates.
2. Compatible with Multi-Volume plate for 2µLmeasurement, as well as BioCell, and Cuvette measurements.
3. Detection method: Absorbance
4. Read Method: Endpoint, kinetic, spectral scanning and well-area scanning.
5. Reading speed: 15 seconds (96 well).
6. Applications: Nucleic acid quantitation, Protein analysis, Spectral analysis, Colorimetric assays, EIAs/ELISAs, Drug dissolution profiles.
7. **Wavelength range: 200 – 999nm**
8. Wavelength selection: Monochromator, selectable in 1 nm or grater increments.
9. Absorbance range: 0.000 to 4.000 OD., Resolution: 0.0001OD
10. Monochromator wavelength Accuracy: ±2nm
11. Monochromator wavelength Repeatability: ±0.2nm
12. OD Accuracy: 0 to 2 OD: ± 1% ±0.010OD.
13. OD Repeatability: 0 to 2 OD: ± 1% ±0.005OD.
14. OD Linearity: 0 to 2 OD: ± 1% ±0.010OD.
15. Stray Light: 0.03%@230nm, Bandpass: 5nm,
16. Light Sources: Xenon Flash Lamp.
17. **Pathlength Correction** (Pathlength correction automatically normalizes well absorbance to standard cuvette equivalent pathlength of 1cm for direct quantification).
18. Dimensions: 12"W x 12.5"D x 7.7"H(30.5 x 31.7 x 19.5cm)
19. **Includes: Data Analysis Software.**
    a. Weight: 14lbs (6.35kg),
    b. Power: 100-240 VAC, 50-60Hz.
    c. Should come with dedicated software for data analysis
    d. Optional: Suitable Computer and Printer.
20. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

## 5. GRADIENT PCR

1. Sample capacity 96 well (48 x 0.2ml x 2 )
2. Peltier number 8
3. Block material should be made up of aluminum alloy
4. Temperature Range should be (°C) 0-100°C
5. Heating Rate should be (°C/sec) 5°C / Sec
6. Cooling Rate should be (°C/sec) 4°C / Sec
7. Sample Ramp Rate should be 4-4.2°C / Sec
8. Control Accuracy(°C) ±0.1°C(30-99.9°C)
9. Uniformity (°C) ±0.2°C(30-72°C,10s)/±0.3°C(90°C,10s)
10. Control Mode Block
11. Tube Hot-lid Temperature should be (°C) 30-110°C
12. Gradient Range (°C) 1-30°C
13. Gradient Temp Range (°C) 30°C - 100°C
14. Reaction Volume Range 10-100 µl
15. Display Interface 8 inches
16. TFT, TOUCH screen
17. Instrument Memory should be more than 10000 files
18. Instrument should have auto restart facility
19. Temperature Time Increase/Decrease Progressively
20. Pause function
21. Edit File While Running
22. Support for USB Mouse
23. Support for Touch Screen
24. Touch calibration option
25. Tm Calculator
26. No of steps & cycles 30 steps & 99 cycle Connection USB,
27. Ethernet Network Control



**Sign of Tenderer**

28. Email Notification
29. Preloaded Protocol
30. PC Control Software
31. Standard Warranty 2 years
32. Certification CE
33. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

## 6. WATER PURIFICATION SYSTEM

1. The system shall be comprised of a single water purification unit containing RO, DI, and UV with final P.O.U. filtration.
2. System must be able to draw Type I , Type II , Type III waters from the single system
3. The ultrapure water system delivery unit is designed so that regular lab containers, such as cylinders and flasks, can be filled without the need to hold them. The system will also incorporate an Auto Volume dispensing function capable of automatically dispensing of ultra pure water from 0.1L up to 7.0L.
4. Should have internal reservoir of 7L
5. The Ultrapure water system delivery unit will incorporate graphic color LCD display to provide information 1) on system status and performance parameters, 2) on routine maintenance needs, and 3) on alarms for troubleshooting in the event of system malfunction.
6. The ultrapure water system will have long life time built-in UV lamp with emission at 185 and 254 nm wavelengths.
7. To prevent deterioration of water quality during periods of non-use, the ultrapure water system will be able to recirculate water through UV and DI to maintain high water quality.
8. The system will have a choice of point-of-use final filter options, including a 0.22 micron final filter, a point-of-use Biofilter to meet individual needs.
9. Three year warranty on RO cartridges.
10. Sanitization facility should be there.
11. Pre-filtration unit must have 1,5 and 10 micron filter and booster pump to regulate inlet water pressure.
12. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply

Product Water Quality For Type 1

| | |
|---|---|
| Ultrapure (Type I) Flow Rate (L/min) | 0.01 – 1.2 |
| Ultrapure Resistivity (MΩ-cm at 25°C) | 18.2 |
| Microorganisms (cfu/10mL) with Microfilter | <1 |
| Particulates <0.22µm (/mL) with Microfilter | <1 |

Product Water Quality For Type 2

| | |
|---|---|
| Resistivity (MΩ-cm at 25°C) | <1 |
| TOC ppb | <50 |
| Daily Volume | Up to 10 liters |
| Nucleases | <5 pg/ml |

Product Water Quality For Type 3



**Sign of Tenderer**

| | |
|---|---|
| Conductivity µS/cm | <20 |
| TOC ppb | <200 |
| Ionic rejection | <96% |
| Particulates and Bacteria rejection | >99% |
| Organic rejection (MW > 200 Da) | >99% |
| Daily Volume | Up to 30 liters |
| Production Flow | <10 Liters/hour |

Feed water specification

| | |
|---|---|
| Water Source | Portable Water Source |
| Conductivity | < 2000 µS/cm |
| Fouling Index | <10 |



**Sign of Tenderer**

## 7. WATER BATH INCUBATOR SHAKER

1. Double walled construction.
2. Space between the walls is filled with Glass Wool.
3. Speed regulator should be provided to control the shaking motion.
4. Inner bath chamber and lid made of Stainless Steel (SS-304 grade).
5. Outer chamber is made of Mild Steel duly powder coated.
6. Bath has an oscillating tray riding on ball rollers oscillated through a geared variable speed motor.
7. Fitted with PMDC heavy duty motor with 50 to 150 RPM.
8. Supplied with complete SS Pyramidal lid with one tray but without flask.
9. To work on 220 / 230 V. A.C. supply.
10. Internal Dimensions (LXBXD) 400x300x160 mm
11. Capacity =/>18 ltr
12. Temperature Range Amb. +5°C to 100 °C
13. Controller Microprocessor based PID Digital Temperature Indicator-cum-Controller
14. Temperature Accuracy +0.5 °C
15. Capacity for 12 flasks 250 ml
16. Should have RPM Indicator.
17. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

## 8. UPRIGHT MICROSCOPE

1. Eyepiece: Wide field high eye point Eyepieces 10x/20 with diopter adjustment for Both Eye Pieces IPD 48-75mm, Prism incorporated.
2. Nosepiece: Reversed quadruple Nosepiece,
3. Optical System: Achromatic Color Corrected Universal Infinity System
4. Objective: Anti Fungus Achromatic Infinity Color Corrected objectives,
5. Achromatic Objectives 10x/0.25 W.D 4,4
6. Achromatic Objectives 100x S Oil/1.25 W.D 0, 13.
7. Ergonomic High Rigidity Frame.
8. Wide field Binocular tube, Viewing Angle 30 deg, 360 deg rotation, Inter-pupilliary Distance 48-75mm.
9. Should have built in low position coaxial mechanical stage with X & Y control, specimen holding clip, easy to read venial scale for precession.
10. Stage size 140 x 135mm surface,76 x 50mm movement Repositioning of sample (Right Hand control)
11. Focus: Brass gears Z-Axis movement 25mm stroke Fine focus with 2µm minimum increment, Coarse focus with torque adjustment
12. Should have built- in Koehler illumination 3W LED Illumination with intensity Control.
13. Condenser: Focusable Abbe condenser N.A.1.25 with iris Diaphragm,
14. Accessories: Blue filter, immersion oil (5ml), power cord, Allen Hexagonal key, vinyl dust cover.
15. Power Supply: Universal Power Supply 100W-240V.
16. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

# 9. BIOSAFETY CABINET

1. Class II Biosafety Type A2 design 4 feet width and NSF-49/EN- EN 12469 (TUV) Certified.
2. UV lamp, with full width arm rest, an electrical outlet and a support stand with Caster wheel.
3. Single piece working surface and all wall of chamber of stainless steel 304.
4. DC-ECM Blower/Motor must automatically adjust the airflow speed.
5. Microprocessor Controller with LCD simultaneously displays inflow 0.45 m/s (90 fpm), down flow 0.30 m/s (60 fpm), sash status, airflow status, and filter life.
6. Digital read-out with alpha-numeric display indicates all input, status and alarm functions.
7. Should have port for gas utilities fixture and RS-Port.
8. UV light must be programmable and fluorescent 950-1000 Lux, Sound: 59 dB (A)
9. Normal Mode load: 200W ±10%,
10. CE certified with Warranty of 03 or more year.
11. Dual, long-life ULPA filters with 99.999% efficiency, 0.1 to 0.3 microns should give ISO class-3.
12. Should be Microprocessor controlled and have digital display for Filter life display, UV hr meter, alarms etc.
13. External Electro-galvanized with antimicrobial oven-baked epoxy-polyester powder coating. Remaining Filter Life (based on Filter Hour Meter) is shown on the LCD display.
14. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

## 10. REAL TIME PCR

1. Real Time PCR system capable of handling dye based and probe based chemistries like SYBR Green, dual color Taqman/hydrolysis probes, molecular beacons with provisions to avoid cross-talk of dyes.
2. The system should have block of 96 x 0.2ml tubes or plate to run typical 0.2 ml tubes, strips and plates and option for interchangeable block like 96 deep well & 384 well blocks.
3. An integrated system for both Real-Time PCR & post-PCR (end-Point) analysis using in-built peltier based PCR Machine.
4. Detection of minimum 5 different fluorescent reporters in the same tube should be possible rendering 5-6 target multiplexing capability to the system. Four or less target multiplexing systems will not be considered.
5. System should able to collect data for all filters for all wells regardless of plate setup
6. System must have a gradient facility to offer minimum of eight different temperature zones. Systems without gradient feature will not be considered.
7. Excitation by LEDs/ Lasers Minimum of Six-excitation and Six-emission channels/ filters with excitation wavelength range 450- 730nm and emission wavelength range of 450-730nm. Wavelength beyond this on either side of spectrum is acceptable but wavelength range narrower than this is not acceptable.
8. Channels/ filters must not be less than six.
9. The instrument should be open system capable of running various chemistries preferably using TaqMan, SYBR Green etc.
10. No internal reference dye should be required. True 5 Color Multiplexing with use of 5 different flourophores without the need of addition of any internal reference dyes.
11. Should be pre-calibrated of detecting Cy5, FAM/SYBR Green, VIC/JOE, TAMRA/Cy3, Texas Red, Quasar 705 up to 12 dyes or more and should be able to be further calibrated for any dye that falls in the excitation –emission range of 450- 730 nm and also should have one channel dedicated for FRET experiments.
12. The system should be factory calibrated with no requirement of any further calibration. If in case the system requires calibration, the cost of it (labor+ calibration kit) shall be borne by the company throughout the instrument's lifetime.
13. Dynamic Log: Up to 9-10 logs.
14. Ramp Rate 4-6 $^{0}$C per sec.
15. System's software should have mode for Melt Curve Analysis, Automatic allelic discrimination by end point fluorescence or threshold cycle and gene expression analysis by relative quantity ($\Delta$Ct) or normalized expression ($\Delta\Delta$Ct).
16. Software should be on MIQE (Minimum Information Required for qPCR experiments) guidelines.
17. Equipment should be supplied with the following accessories:
    A. TUBE STRIP with cap 0.2ml -8, 1200 NO



**Sign of Tenderer**

B. SYBR Green/ROX based qPCR Master Mix, 1,000 x 25 µL rxns
C. First Strand cDNA Synthesis Kit, 500 x 20 µL rxns

18. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**

# 11. MICROCENTRIFUGE

1. Maximum Speed of 18,000 RPM or more
2. RCF of 31,500 g or more
3. Max Capacity 48 x 1.5 / 2.0 ml & 6 x 50ml
4. Choice of different Rotors should be available suitable for 1.5 ml to 50 ml tubes, PCR Strips
5. Voltage 200 – 240 V
6. Consumption should be less than 1KVA
7. Time should be programmable for 99 min: 59 sec. with 1 second increment
8. Noise Level should be </= 60 dB with rotor
9. Temperature control from -20 to +40 °C with 1 degree incremental
10. Certification required

- IvD Confirmation
- ISO 13485 & ISO 14001
- TUV SUD certification

11. Quick and easy to operate parameters to be selected with the Select key and adjuster knob should be provided to set the values.
12. At least 10 programs should be available
13. Switches from RPM to RCF should be available
14. Minimum 9 Acceleration and 9 braking ramp should be available
15. Pre-cool option should be available
16. Display should be self explaining / guiding to users through the menu Option
17. Key for short spin should available
18. Please quote 24X1.5/2.0 mL Rotor with suitable adapter for 1.5 & 2.0 mL Tubes. (Rotor should be capable for 31000 g force)
19. The supplier will be responsible for proper installation and maintenance of the equipment and 2 year warranty without any extra /hidden charges after supply



**Sign of Tenderer**