

AMBEDKAR UNIVERSITY DELHI

TENDER DOCUMENT FOR SUPPLY & INSTALLATION OF LABORATORY EQUIPMENT FOR ECOLOGY LAB AT AMBEDKAR UNIVERSITY DELHI

1. Appendix A : Terms & conditions
2. Appendix B : Schedule of requirement
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F.No. AUD/1-10(144)/Ecolab Equipment/ 2014-15

19 February, 2015

To,

-----**Subject: Notice Inviting Tender for Supply & Installation of Laboratory Equipment for Ecology Lab at Ambedkar University Delhi**

Ambedkar University Delhi (AUD) invites sealed quotations from competent & reputed manufacturers/ authorized distributors/ dealers for Supply & Installation of Laboratory Equipment for Ecology Lab at Ambedkar University Delhi. Technical & Financial bids are required to be submitted in separate sealed covers addressed to the Registrar, Ambedkar University Delhi, Lothian Road, Kashmere Gate, Delhi-110006 so as to reach us on or before 11-03-2015 up to 3.00 pm, duly super scribing the work i.e. **“Technical Bid for Supply & Installation of Laboratory Equipment at Ambedkar University Delhi”** and **“Financial Bid for Supply & Installation of Laboratory Equipment at Ambedkar University Delhi”** on top of the cover.

The technical bid will be opened at 4.00 pm on the same day. Financial bids of only those vendors will later be opened, whose technical bid qualify on the basis of criteria mentioned in the tender document. AUD reserves the right to accept or reject any tender in part or whole without assigning any reason thereof. The copy of the proof for having carried out similar works in the last three financial years should be enclosed with the tender. Tender format can be downloaded from our website 'www.aud.ac.in'. Clarifications, if any, may be sought from the AUD Admin Division on Telephone No 23863655.

Tenderers should read the tender document carefully as enclosed and comply strictly with the terms and conditions before sending their bids.

Deputy Registrar (Admin)

Copy forwarded for information to:-

- 1- Registrar, Ambedkar University Delhi
- 2- Controller of Finance, Ambedkar University Delhi
- 3- Dean, School of Human Ecology, Ambedkar University Delhi

Terms & Conditions

1. Parties:

The parties to the Contract are the Tendering Firm and the Ambedkar University Delhi (AUD).

2. Addresses:

For all purposes of the contract including arbitration there under, the address of the firm mentioned in the tender shall be final unless the firm notifies a change of address by a separate letter sent by Speed Post/ Registered Post with acknowledgement due. The firm shall be solely responsible for the consequences of any omission or error to notify change of address in the aforesaid manner.

3. Preparation and Submission of Tender:

- (a) A vendor can submit bid for one or more number of items mentioned in Appendix B.
- (b) The tender should be submitted in two parts viz. Technical Bid and Financial Bid in the proforma given at Appendix-C and Appendix-D respectively with each Bid kept in a separate sealed cover.
- (c) Each cover must contain the address of the Bidder, and should be superscribed with the statement “**Technical Bid for Supply & Installation of Laboratory Equipment at Ambedkar University Delhi**” and “**Financial Bid for Supply & Installation of Laboratory Equipment at Ambedkar University Delhi**”, as the case may be.
- (d) These two covers should then be **kept in another sealed cover** addressed to Registrar, Ambedkar University Delhi, Lothian Road, Kashmere Gate, Delhi-110006, duly superscribed with the statement “**Tender for Supply & Installation of Laboratory Equipment at Ambedkar University Delhi**”.
- (e) The tender will be submitted **before 3:00 PM on 11-03-2015**. The Technical bid (Part-I) will be opened at 4:00 PM on 11-03-2015 in the presence of intending tenderers, if any. The Financial bid (Part-II) of the tender will be opened after evaluation of the technical bids and only such bidders, whose bids are qualified in technical evaluation, shall be called for opening of their commercial bids.

4. Signing of Tender:

Individual signing the tender or other documents connected with contract must specify whether he/she signs as:

- a) A “sole proprietor” of the firm or constituted attorney of such sole proprietor;

- b) A partner of the firm, if it be a partnership firm, in which case he must have authority to execute contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.
- c) Director or a principal officer duly authorized by the Board or Directors of the Company, if it is a company.
- d) A person signing the tender form or any documents forming part of the tender on behalf of another person should have an authority to bind such other person and if, on enquiry it appears that the persons so signing had no authority to do so, AUD shall, without prejudice, cancel the contract and hold the signatory liable for all costs, consequences and damages under the civil and criminal remedies available.
- e) Late & delayed tenders due to any reasons including postal delays shall not be considered. **Incomplete, unsigned and tenders without prescribed EMD shall not be considered.**
- f) The tenderer **should sign and affix his/ her firm's stamp at each page of the tender and all its Appendix** as the acceptance of the offer made by the tenderer will be deemed as a contract and a formal agreement will also be drawn regarding the contract.

5. Site Inspection:

Before submitting the offer, vendors should visit the School of Human Ecology, AUD Kashmere Gate campus, where these Laboratory Equipment are to be installed. No extra payment will be made by AUD towards extra material required for installation purpose after submitting the offer.

6. Technical Bid :

- (a) The Technical bid should be submitted in the form given at Appendix-C.
- (b) The Technical Bid must have the details of the firm along with the EMD. The technical bid will be opened at the first instance and the financial bid will be opened only of the successful vendors.
- (c) Copies of necessary certificates will be enclosed with the technical bid.

7. Financial Bid:

- (a) The Financial Bid should be submitted in the form given at Appendix-D. The Financial Bids of only those bidders who are short-listed after evaluation of Technical Bids will be opened.
- (b) A consolidated price should be quoted for the item along with its break up showing different items of charge. The consolidated price quoted shall be firm and final and payable for the goods delivered, installed and commissioned in the office/ Class Room/ Lab indicated in Scope of Work. No payments other than the amount shown as consolidated price shall be made by this university. If any statutory levy is found applicable, the same shall be borne by the tendering firm.

The only deviation to the preceding statement could be the levies revised upward or introduced by State or Central Government after the submission of the tender by the bidder, in which case the Bidder shall produce documentary evidence. The price quoted for each item separately shall be the basis of determining L1.

- (c) The rates will be valid for a period of one year.
- (d) At the time of payment of bills, the Income Tax, if any, shall be deducted at source as per Government Rules and guidelines as may be prevailing at the time of payment.
- (e) The offer submitted by the vendor should clearly indicate rate of Sales Tax and other government levies, payable extra at the quoted prices as the AUD will not issue any form C or D. Only form 32 (Road Permit) will be issued, if required.
- (f) The offer of the vendors should include the cost of installation. In case of delay on the part of the vendor, penalty @ ½% per week of the total order value will be deducted from the vendor's bill subject to maximum of 5% without prejudice to other terms & conditions of the order.
- (g) The detailed specifications of Laboratory Equipment are available in Appendix-B.
- (h) A vendor can submit bid for any number of items. L1 bidder for each item would be decided at the time of opening of financial bids.

8. Validity:

The bids shall be valid for a period of ninety days from the date of opening of the tender.

9. Opening of Tender:

The Technical bids shall be opened at 4:00 PM on 11-03-2015 at the AUD Kashmere Gate Campus. The tenderer is at liberty to attend either himself or authorize not more than one representative to be present at the opening of the tender. The representative attending the opening of the tender on behalf of the tenderer should bring with him a letter of authority from the tenderer and a proof of identification. Those who will qualify in Technical Bid evaluation shall be intimated on phone/ by fax/by e-mail.

10. Criterion for Evaluation of Tenders:

The evaluation of the tenders will be made first on the basis of technical information furnished in form given at Appendix-C and then on the basis of commercial information furnished in form given at Appendix-D. Any inferences drawn by the tenderers or their representatives during the opening of the Technical Bid will be their own view and AUD will not be responsible / required to abide by the same.

11. Right of Acceptance and Other Provisions:

- (a) AUD reserves the right to reject/ cancel any or all the tenders at any time, including of those bidders who fail to comply with the instructions without

assigning any reason whatsoever, and does not bind itself to accept the lowest or any specific tender. The decision of AUD in this regard shall be final and binding.

- (b) Any failure on the part of the bidder to observe the prescribed procedure and any attempt to canvas for the purchase order will prejudice the firm's quotation.
- (c) AUD reserves the right to relax/ amend/ withdraw any of the terms and conditions as contained in the Tender Documents without assigning any reason, thereof.
- (d) Any inquiry after submission of the tender will not be entertained.

12. Communication of Acceptance:

Successful bidder will be informed of the acceptance of his bid by speed post/ fax/on phone.

12. Time Schedule for Completing of work:

The work must be completed within 15 (fifteen) days of receipt of the Supply/ Purchase Order. In case the vendor needs more time to deliver the equipment, he/ she should send a requisition to Registrar, AUD for the same. The request for extension of delivery period may be considered on case to case basis.

13. Packing and Marking:

- (a) The packing of equipment should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc.
- (b) As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the equipment and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the vendor accordingly.

14. Inspection, Testing and Quality Control:

- (a) The purchaser and/or its nominated representative(s) will, inspect and/or test the ordered equipment for Ecology Lab to confirm their conformity to the contract specifications at no extra cost to the purchaser.
- (b) The Inspection Authority to be designated by the Purchaser shall communicate within 15 days of issue of supply order what inspections and tests the purchaser requires and where they are to be conducted. The purchaser shall notify the vendor in writing in a timely manner of the identity of representative(s) nominated for this purpose.

- (c) The inspections and tests may be conducted on the premises of the vendor or its subcontractor(s), at point of delivery and/ or at the final destination i.e. Ecology Lab at Ambedkar University Delhi.
- (d) If conducted on the premises of the vendor or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data shall be furnished to the inspectors at no charge to the purchaser. Should any inspected or tested equipment fail to conform to the specifications, the purchaser may reject the equipment. The vendor shall either replace the rejected equipment or make alterations necessary to meet the specification requirement free of cost to the purchaser, within a period of 30 (Thirty) days of initiating such rejection.
- (e) The Dean, School of Human Ecology at Ambedkar University Delhi shall be the final authority to reject full or any part of the supply, which is not confirming to the specifications and other terms and conditions. No payment shall be made for rejected stores. Rejected items must be removed by the tenderers within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the vendors without any further notice.

15. Spare Parts:

The separate price list of all spares and accessories and consumables (including minor), if any, required for maintenance and repairs in future after guarantee/ warrantee period must be attached/ enclosed along with the sealed quotation, failing which quotation will not be considered.

16. Training:

On site training to Faculty Members/ Technicians/ Students of the Ecology Lab is to be provided by the Vendor Principal / Indian Agents for operation and maintenance of the equipment, to the satisfaction of the user department.

17. Warranty (12 Months Onsite Warranty including Spare Parts & Labour etc.):

- (a) The vendor **will provide minimum 12 months comprehensive Onsite Warranty including Spare Parts & Labour etc.** It shall certify that the supplied & installed equipment for Ecology Lab supplied under the contract is new, unused and incorporates all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract.
- (b) The vendor further warrants that the equipment supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the Purchaser's/ Consignee's specifications) or workmanship or from any act or omission of the vendor that may develop under normal use of the equipment under the conditions prevailing in India.
- (c) In case of any claim arising out of this warranty, the Purchaser/ Consignee shall promptly notify the same in writing to the vendor.

- (d) Upon receipt of such notice, the vendor shall, within 48 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective equipment or parts thereof, free of cost, at the ultimate destination. The vendor shall take over the replaced parts/ equipment after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/ equipment thereafter. The penalty clause for non-replacement will be applicable as per the penalty clause.
- (e) In the event of replacement of defective equipment during the warranty period, the warranty for the replaced equipment shall be extended for a further period.
- (f) If the vendor, having been notified, fails to respond to take action to replace the defect(s) within 48 hours on a 24(hrs.) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the vendor and without prejudice to other contractual rights and remedies, which the purchaser may have against the vendor, including forfeiture of the performance security/ bank guarantee.
- (g) During Warranty period, the vendor is required to visit at consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the equipment.

18. Delay in the Vendor's Performance:

- (a) The vendor shall deliver the equipment for Ecology Lab at Ambedkar University Delhi and perform the services under the contract within the time schedule specified by the Purchaser/ Consignee in the Schedule of Requirements and as incorporated in the contract. The time and the date schedule of delivery of the equipment mentioned in the Schedule of Requirements (SOR)/ Incorporated in Contract shall be deemed to be of the essence of the contract and the delivery must be completed no later than the date (s) as specified in the contract / supply order.
- (b) Subject to the provisions of the tender, any unexcused delay by the vendor in maintaining its contractual obligations towards delivery of the equipment and performance of services shall render the vendor liable to any or all of the following sanctions:
 - i) Imposition of liquidated damages,
 - ii) Forfeiture of its performance security and
 - iii) Termination of the contract for default.

19. Penalty:

In the event of the firm failing to:

- (i) Observe or perform any of the conditions of the work order as set out herein; or
- (ii) Execute the order in good condition to the satisfaction of AUD or by the time fixed by AUD.

- (a) It shall be lawful for AUD, in its discretion, in the former event to remove or withhold any part of the order, until such times as it may be satisfied that firm is able to do and will duly observe the said conditions and in the latter event to reject or remove as the case may require any order executed otherwise than in a good condition and to the satisfaction of AUD and by the time fixed by it and in both or either of the events aforesaid to make such arrangements as it may think fit for the execution of the order so removed or order in lieu of that so rejected or removed as aforesaid on account and at the risk of the firm.
- (b) Provided further that if in either event any excess cost be incurred by reason of the difference between the prices paid and the accepted rates, AUD may charge the amount of such excess cost to the firm and the same may at any time thereafter be deducted from any amount that may become due to the firm under this or any other contract, or maybe demanded of him to be paid within fourteen days to the credit of the AUD.
- (c) In the event of discovery of any error or defect due to the fault of the firm/ vendor at any time after the delivery of goods ordered, the firm/ vendor shall be bound, if called upon to do so, to rectify such error or defect at his own cost to the satisfaction of and within the time fixed by AUD. In the event of the delivery of any defective work, which owing to urgency or for any other reason cannot be wholly rejected AUD shall have the power to deduct from any payment due to the firm such sum as it may deem expedient.
- (d) If the vendor fails to deliver any or all of the equipment or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser/ Consignee shall, **without prejudice to other rights and remedies available to the Purchaser/ Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.50% per week of delay or part thereof on delayed supply of equipment/ replacement parts and/ or services until actual delivery or performance, subject to a maximum of 5% of the contract price.** Once the maximum is reached, the Purchaser/ Consignee may consider termination of the contract.
- (e) In the event of work being wholly rejected, AUD may at its discretion may either:
- (i) Permit the firm/vendor to re-do the same within such time as it may specify at firm's own cost of all sorts i.e. materials, labour, equipments, overheads, transportation etc;
 - or
 - (ii) Arrange to get the additional work done elsewhere and by any other person or from any other source than the firm/vendor in which case the amount of extra cost, if any, shall be recovered from the contractor in the manner provided in sub-clause(b) of this clause.

20. Breach of Terms and Conditions:

In case of breach of any of terms and conditions mentioned above, the Competent Authority will have the right to cancel the work order without assigning any reason thereof and nothing will be payable by AUD in that event.

21. Subletting of Work:

The firm shall not assign or sublet the work or any part of it to any other person or party.

22. Right to Call upon Information Regarding Status of work:

AUD has the right to call upon information regarding status of work at any point of time.

23. Tolerance Clause:

- (a) AUD reserves the right to place the orders on the successful tenderer for any additional quantity at the same rates quoted by the bidder. At the option of the purchaser, the quantity can also be reduced when felt necessary.
- (b) The tenderers are bound to accept the orders for additional quantity under this clause if orders are issued at the time of placement of contract, or during the currency of the contract i.e. one year.

24. Terms of Payment:

- (a) Material is to be supplied by the tenderer at AUD Kashmere Gate campus on specified address.
- (b) All payments shall be made by Accounts Payee cheque only after satisfactory supply, installation and commissioning of the said items.
- (c) AUD shall be at liberty to withhold any of the payments in full or in part subject to recovery of taxes including TDS as applicable and recovery of penalties mentioned in preceding para.
- (d) The term "payment" mentioned in this para includes all types of payments due to the firm/vendor arising on account of this contract.
- (e) No extra payment will be made towards packing of the Laboratory Equipment items and their insurance from vendor's warehouse to AUD. Vendor have to arrange for insurance for transportation and installation at site.

25. Eligibility conditions:

- (a) The vendor should be either itself a manufacturer or authorised dealer/ vendor of the manufacturer. A recent dated certificate to this effect from OEM, will be attached with the technical bid.
- (b) The manufacturer should have a dealer in Delhi to prove its capability to provide after sales service as and when required;
- (c) The vendor should have a standard price list of its products all over the country.
- (d) The tenderer/ authorised vendor/ manufacturer should have successfully executed at least one supply order of similar nature to Central/ State Government

Departments/ PSUs/ Educational Institutions of repute in the last three years. Copies of these supply orders should be attached with the technical bid.

- (e) The technical bid should be accompanied by the manufacturer's catalogues (in original) in respect of the product offered.
- (f) The Tenderer should have PAN No., TIN No. and VAT No. and should submit their legible attested copies with Technical Bid. Technical Bid not accompanied by these documents would be summarily rejected.
- (g) The bidder should give warranty of at least 12 months of the products supplied and should undertake to rectify/ attend to the complaints within 2 days, excluding Sundays/ Holidays during the warranty period.

26. General:

- (a) The manufacturer must submit pre-receipted Bill for payment after satisfactory supply and installation of the product at the locations ordered.
- (b) Any violation of the terms and conditions or supply of inferior quality of material shall result in total rejection of the items apart from taking appropriate remedial action at the risk and cost of the bidder.
- (c) The vendor will have to replace the Laboratory Equipment items, which are not found meeting the required specifications or are in unsatisfactory/ unserviceable condition on his own expense. The Laboratory Equipment items will be taken out from the AUD Campus only through a proper Gate Pass issued by the Competent Authority.
- (d) The receipt of the Supply/ Purchase Order should be acknowledged by return post.
- (e) The decision of competent authority i.e., Vice Chancellor AUD or his nominee on any matter of dispute shall be final and binding.

21. Tender Currencies:

The bidder supplying indigenous or already imported equipment shall quote only in Indian Rupees with all taxes applicable.

21. Earnest Money Deposit (EMD):

- (a) The Technical Bid must be accompanied by Earnest Money Deposit submitted in the Form of Demand Draft/ Banker's Cheque drawn on any Scheduled Bank in favour of "Registrar, Ambedkar University Delhi" payable at Delhi.
- (b) The **earnest money amount for each item is given in the last column of the table at Appendix B**. The bidder will total up the EMD amount for the number of items he/ she is bidding, and deposit the consolidated sum in the form of a demand draft.

- (c) The EMD of other bidders will be returned after placing of the order to the successful vendor. The EMD of the selected vendor shall be returned after the vendor has supplied and installed the materials at the locations indicated in the Supply/ Purchase Order and after furnishing the Performance Security. No interest will be payable on the EMD.
- (d) Firms, which are registered with DGS&D/ NICSI as vendors and having current valid registration are exempted from submitting EMD, provided they submit self certified copy of currently valid Registration Certificate specifically covering the item manufactured by them for which tender being submitted. The request for exemption of EMD should invariably be enclosed together with the necessary certificate(s) for consideration of Competent Authority.
- (e) Earnest Money is required to protect the purchaser against the risk of the bidder's conduct, which would warrant the forfeiture of the EMD. Earnest money of a bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser.
- (f) The successful bidder's earnest money will be forfeited without prejudice to other rights of the purchaser, if it fails to furnish the required performance security within the specified period.

22. Performance Security:

The vendor selected would be required to furnish a Performance Security equal to 5% of the cost of Laboratory Equipment in the form of Demand Draft/ FDR/ Bank Guarantee from any Scheduled Bank in favour of "Registrar, Ambedkar University Delhi" payable at Delhi. In case the Performance Security is submitted in the form of Bank Guarantee, the same should be valid for a period of 2 (two) months beyond the date of expiry of warranty period of the Laboratory Equipment. AUD reserves the right to ask for Performance Guarantee extension if contractual obligations are not fulfilled.

23. Rights of the Purchaser:

- (a) The acceptance of the tender rests with AUD. The university is not bound to accept the lowest tender bid and reserves the right to accept or reject any or all the Bids without assigning any reasons thereof. AUD also reserves the right to modify and / or relax, any terms & conditions of this tender document to safeguard its interest.
- (b) AUD reserves the right to cancel the tender process without assigning any reason whatsoever, at any stage.
- (c) AUD reserves the right to delete or alter any or some of the items given in the enclosed Appendix - B depending on the prevailing requirement. The quantities

shown in the Appendix are tentative and may vary. The offers shall be valid in that case also.

24. Force Majeure:

- (a) Notwithstanding the provisions contained in the tender document, the vendor shall not be liable for imposition of any such sanction so long the delay and/or failure of the vendor in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- (b) For purposes of this clause, Force Majeure means an event beyond the control of the vendor and not involving the vendor's fault or negligence and which is not foreseeable and not brought about at the instance of , the party claiming to be affected by such event and which has caused the non – performance or delay in performance.
- (c) Such events may include, but are not restricted to, acts of the Purchaser/Consignee either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, and freight embargoes.
- (d) If a Force Majeure situation arises, the vendor shall promptly notify the Purchaser/ Consignee in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Purchaser/ Consignee in writing, the vendor shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

25. Arbitration:

- (a) If dispute or difference of any kind shall arise between the Purchaser/ Consignee and the vendor in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- (b) If the parties fail to resolve their dispute or difference by such mutual consultation, the same shall be referred to the sole arbitrator, to be appointed by the Vice Chancellor, AUD at Delhi as per the provisions of the Indian arbitration and Conciliation Act, 1996 and the rules framed there under. His/ Her decision will be final & binding on both the parties.
- (c) The venue of arbitration shall be Delhi, India.

SCHEDULE OF REQUIREMENT

Bidder is required to fill the details in column Nos 4, 5 & 6 of the table given below (Detailed Specifications have been given at Appendix G):

Laboratory Equipment Requirement for School of Human Ecology

Sl. No. (1)	Name & Specification of the items (2)	Qty Required (3)	Offered Specification, make & model (4)	Whether offered items meeting the tender specifications (5)	Deviation from tender specification if any. (6)	EMD Amount in Rs. (For each item you are bidding) (7)
1	Refrigeration Units One Lab Grade Deep Freeze (- 20°C) 300 L capacity; One Regular refrigeration unit (Top Freezer type) 600 L capacity	02				Rs 5,000
2	Autoclave Sterilisation temperature 105 °C to 135 °C, 60 L capacity	01				Rs 8,000
3	Laminar Flow Horizontal Type (Microbial)	01				Rs 7,000
4	Water Bath (Circulating Type) 20L capacity, 5 °C to 100 °C temperature range	01				Rs 5,000
5	Hot Air Oven (Laboratory Grade) Ambient 10 °C to 250 °C temperature range, 0.1 °C temperature resolution	01				Rs 3,000
6	Microwave Oven Convection type, 28 L	01				Rs 1,000

	Capacity					
7	Water Purification System with accessories Type 1 Water quality for analytical and quantitative estimations, enzyme work, biochemistry	01				Rs 13,000
8	Stereo Microscope with Camera attachment 6:1 Zoom ratio, Total Magnification range 2x to 300x, Working Distance 100 mm, 15 megapixel Camera included	01				Rs 9,000
9	Weighing Balance (Covered Type) Weighting Capacity up to 220g, Readability 0.01/0.1mg, Automated internal and external calibration, USB or RS-232C serial interface port	01				Rs 5,000
10	Weighing Balance (Open Type) Measures 0.01 g to 3000 g, with 1 second response time, LCD display, protective cover	01				Rs 2,000
11	Bench-top Centrifuge 13,500 RPM, 12 x 2 ml capacity with LCD display	01				Rs 2,000
12	Spectrophotometer Double-beam, 190-1100 nm wavelength range, 1 nm bandwidth, ± 0.1 nm, wavelength accuracy, ± 0.05 nm wavelength reproducibility	01				Rs 13,000
13	Soil and Water Multi-Parameter Testing Unit Portable microprocessor based pH, ORP, Dissolved	01				Rs 7,000

	oxygen, temperature, conductivity, TDS, salinity and resistivity meter with ISE option					
14	Infra-Red Camera Traps Camera Traps with Multiple Flash in security enclosure; Color readout units	10 02				Rs 8,000
15	Computer Workstation High End OS X Computer Workstation with 27" display, 5120 x 2880 resolution, quad-core i5 3.5GHz processor, 16 GB RAM, and 2 TB wireless 802.11a/b/g/n/ac external storage with router	01				Rs 5,000
16	CHNOS Analyser (Multi purpose Analytical Unit) Elemental quantification in samples for Carbon, Hydrogen, Nitrogen, Oxygen, Sulphur with analytical measurement detectability less than 0.05 µg	01				Rs 63,000

Seal of the manufacture _____

Name :

Designation _____

Of Authorized signatory

Dated _____

TECHNICAL BID

The technical bid shall contain following information in a sealed cover super scribed “**Technical Bid for Supply & Installation of Laboratory Equipment at Ambedkar University Delhi**”. It shall consist of the following documents/ information:

1. Name & Postal address of Agency:

Telephones Nos.:

E-mail:

Fax Nos.

Mobile Nos:

2. Name & address of Owners/ Partners/ Directors :

3. Nature of Agency (Sole/ Partnership/ otherwise) :

4. If Registered, Regn No with validity of registration with appropriate authority:

5. Sales/ Service Tax Regn No. (Attach copy):

6. PAN No. (Attach copy):

7. TIN/ VAT No. (Attach copy):

8. Details of turnover in the last three financial years (**indicate year-wise and attach audited document**) :

9. Manufacturer’s catalogue (Attach copy):

10. One purchase order to Govt organizations/ PSUs/ reputed Educational Institutions in the last three years (Attach copies).

11. List of 3 reputed clients, with at least one client belonging to GOI/ State Govt. Dept./ PSU with telephone No.:

12. Has your organization been placed in defaulter category by any Govt. Department/ PSU? If not, please submit a self attested certificate to this effect.

13. Are you related in any way with any staff member of the AUD : Yes/ No.

14. The tender document should be **duly signed on each page**.

Check list

S. No.	Check list of documents/ Undertakings ?	YES/NO	Remarks (Give explanation if answer is No)
1.	Is demand draft/ banker's cheque of EMD, depending upon the number of items for which the bid is submitted, attached?		
2.	Is the bidder original equipment manufacturer (OEM)/authorised dealer?		
3.	If authorised dealer, recent dated certificate to this effect from OEM, attached or not?		
4.	Is copy of Sales/ Service Tax Regn certificate attached?		
5.	Is copy of PAN No. attached?		
6.	Is copy of TIN/ VAT No. attached?		
7.	Validity of bid 90 days or not?		
8.	Is audited accounts statement of the last three financial years attached?		
9.	Is copy of Manufacturer's catalogue attached?		
10.	Is one purchase order given by Govt organizations/ PSU/ reputed Educational Institutions in the last three years attached?		
11.	Whether list of three reputed users (along with telephone numbers of contact persons) attached?		
12.	Is vendor's declaration signed as per Appx E?		
13.	Is undertaking certifying that the firm is not black listed signed as per Appx F?		
14.	Whether two weeks training of operator and research students without any charges offered.		
15.	Does the instrument complies with all the specifications given at Appx G		
16.	Whether free installation, commissioning and application Training offered?		
17.	Whether one year comprehensive onsite warranty offered?		

Place : Signature of the Proprietor/ Authorized Signatory

Date : Rubber Seal indicating complete address

FINANCIAL BID

I/We.....
of

..... hereby agree, subject to acceptance of this tender by AUD, to Supply & Installation Laboratory Equipment items in accordance with the specifications, terms and conditions of the contract as stated in the tender document at the rates and prices given below:

Sl. No.	Name of the Item	Brand name & Model No.	Split-up Price details		Rate (per item) (Rs.)	Remarks
1.	2.	3.	4.		5.	6.
1.	Refrigeration Units		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
2.	Autoclave		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
3.	Laminar Flow		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading			

			(Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
4.	Water Bath (Circulating Type)		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
5.	Hot Air Oven (Laboratory Grade)		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
6.	Microwave Oven		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
7.	Water Purification System with accessories		Basic Price per each (Rs.)			
			Freight Charges incl. loading and			

			unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
8.	Stereo Microscope with Camera attachment		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
9.	Weighing Balance (Covered Type)		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
10.	Weighing Balance (Open Type)		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
11.	Bench-top centrifuge		Basic Price per each (Rs.)			
			Freight Charges incl. loading			

			and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
12.	Spectrophotometer		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
13.	Soil and Water Multi-Parameter Testing Unit		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
14.	Infra-Red Camera Traps		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
15.	Computer Workstation		Basic Price per each (Rs.)			
			Freight Charges incl.			

			loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
16.	CHNOS Analyser (Multipurpose Analytical Unit)		Basic Price per each (Rs.)			
			Freight Charges incl. loading and unloading (Rs.)			
			Sales Tax / VAT (Rs.)			
			Others if any (Rs.)			
			Total (Rs.)			

In words

.....Details

of other items/other accessories

offered.....

Signature :
Name & Designation :
Name of the Agency :
Seal of tenderer :
Date :

VENDOR'S DECLARATION

(To be submitted on the Business Letter Head of the Vendor, duly signed by the authorized signatory with Company's Seal /Stamp).

I/ We _____ in the capacity of
Director/Partner)/Proprietor etc. please specify) of **M/s.**

(Name of the Company /
Firm) hereby declare that ours is a bonafide business concern registered with (Sales Tax /
Income Tax _____, please specify) as per certified copies
enclosed. I/We am/are submitting our offer for _____ (Please specify item)
in response to AUD open tender Inquiry No. _____ dated
_____ down loaded from AUD web site _____

I / We declare that I / we have read all the Terms & Conditions of the tender document
and agree fully / or partly abide by them unconditionally except the clause
No. _____ and our terms & conditions will be as indicated

Yours faithfully,

Name : _____
Designation : _____
Mobile No. _____

Signed by Authorized Signatory .
For & on behalf of M/s.....

.....
(Name of the Company / Firm)

UNDERTAKING (To be submitted with Technical Bid)

It is certified that my firm/agency/company has never been **black listed** by any of the Departments/Autonomous Institutions/Universities/Public Sector Undertakings of the Government of India or Government of NCT of Delhi or any other State Government or reputed private institutions and no criminal case is pending against the said firm/ agency as on _____.

Signature of the Tenderer _____

Name of the Signatory _____

Name of the Firm/agency _____

Seal of the Firm/Agency _____

Place:

Date: _____

1. Technical Specifications of Refrigeration Units**• Deep Freezer Unit**

Parameter	Requirement
Temperature Range	$\leq -20\text{ }^{\circ}\text{C}$
Capacity	$\geq 300\text{ L}$
Compressor	CFC free, heavy duty
Condenser	Built in
Control panel	Regular features, in addition to Thermometer or temperature warning light

• Top Freezer Refrigerator

Parameter	Requirement
Capacity	$\geq 600\text{ L}$
Temperature Range	Deep Freeze
Compressor	CFC Free

2. Technical Specifications of Autoclave

Parameter	Requirement
Capacity	60 L
Drying	Capable of Automated Drying
Sterilization Temperature	105 - 135 $^{\circ}\text{C}$
Preset range of timer	0 minute - 6 days delayed

Rated working pressure	0.27 MPa or better
Range of sterilization time	1-300 minutes
Chamber material	Stainless steel
Preset range of cooling lock open temperature	40-99°C for solid and agar modes and 40-80°C for liquid and waste modes
Steam exhausting temperature	73-104°C
Exhausting mode	Fully automatic internal discharging
Controller	Fast speed microprocessor control system
Safety Devices	Overcurrent and short circuit protection, electric double inner lock, over pressure protection, leakage protection, cooling lock, dry scorch protection, anti-scald chamber cover and bench, automatic troubleshooting

3. Technical Specifications of Laminar Flow

Parameter	Requirement
Type	Horizontal (Microbial)
Dust	$\geq 0.5\mu\text{m} \leq 3.5$ granule/L
Clean rate	>99.995% (for 0.3 um)
Air velocity	0.3-0.5m/s
Noise	<60dB(A)
Worktable material	304 Stainless steel or better

UV lamp	20 W
Filter	Hepa filter with 99.997% or better efficiency at 0.3 microns

4. Technical Specifications of Water-Bath (Circulating Type)

Parameter	Requirement
Volume	20 L
Temperature Range	Ambient +5°C to +100°C
Temperature uniformity	± 0.1°C or better
Temperature controller	PID microprocessor
Temperature increment	0.1°C
Display	Digital LED
Inclusion	Stainless-steel gable cover and Diffuser shelf
Cabinet Enclosure	Weatherproof, Tamperproof, Chemical Resistant
Chamber	Stainless Steel
Power Source	Battery and AC Power
Safety measures	Short circuit, Over head protection, Sensor abnormality

5. Technical Specifications of Hot Air Oven (Laboratory Grade)

Parameter	Requirement
Temperature Range °C	Ambient +10 °C to 250 °C
Temperature Resolution	0.1 °C
Temperature Uniformity	±1.0 °C
Chamber	Stainless steel
Chamber Size (in centimeter)	50x40x50 or above
Controller	Intelligent temperature controller with PID program and Digital timer

6. Technical Specifications of Microwave Oven

Parameter	Requirement
Capacity	28 L or above
Heat source	Microwave, Convection
Display type	LCD

7. Technical Specifications of Water Purification System with accessories

Parameter	Specifications
Water output	Ultrapure water, Type 1 quality
Delivery flow rate	2 L/ hr, with variable flow option
Bacteria	< 1 cfu/ml
TOC	< 5 ppb

Endotoxins	< 0.001 EU/ml
DNase	< 20 pg/ml
RNase	< 0.01 ng/ml
Particulates (up to 1 Particulate/ml)	Particulate size 0.5 µm or less desirable
Water dispenser capability	Foot pedal capability, Autovolume dispense option, repeat dispense option
Feedwater input	Pre-filtration unit (included)

8. Technical Specifications of Stereo Microscope with Camera attachment

Parameter	Requirement
Type	Trinocular Stereo zoom Microscope
Desirable Magnification Range	2x to 300x
Zoom Ratio	6:1 or higher
Working Distance	100 mm or higher
Eyepiece	10x/ 20x or higher as desired
Interpupillary Distance	52mm- 75mm or higher
Tube Inclination	45°/60°
Stand	LED illuminator stand
Safety measures	Anti-mold, Anti-electrostatic
Inclusion	Dust Cover and Power Cord

Camera Attachment (preferably from same manufacturer configured for the trinocular mount):

Parameter	Requirement
Effective Pixels	15 megapixel or higher
Data interface	USB /HDMI or both
Monitor Type	Color LCD
Storage Media	SD memory card
Battery type	Li- ion
Connectivity	Wi-Fi enabled
Flash	Built-in
Inclusions	Power Adaptor along with adaptors to connect microscope and Dust cover

9. Technical Specifications of Weighing Balance (Covered Type)

Parameter	Requirement
Capacity maximum	220g
Readability	0.01/0.1 mg
Pan size	80mm or higher
Repeatability	$\leq \pm 0.05/0.1$ mg
Linearity	$\leq \pm 0.1/0.2$ mg
Safety measure	Chemical Resistant finish, Overload protection

Calibration	Internal and External Calibration
Data interface	USB or RS232
Inclusion	In use cover, Dust cover and AC adapter

10. Technical Specifications of Weighing Balance (Open Type)

Parameter	Requirement
Capacity maximum	3000 gram or above
Capacity minimum	0.01 gram
Pan size (in mm)	160x124 or above
Repeatability	±0.01 gram
Linearity	±0.03 gram or less
Response time	1.0 second
Display	LCD
Power requirements	AC adapter

11. Technical Specifications of Bench-top centrifuge

Parameter	Requirement
Capacity	12 x 2 ml
Speed	13500 RPM
Timer Control	30 min or less
Conversion capability	RPM to RCF
Display	LCD Display
Safety features	Lid lock, Lip drop protection, automatic door release on completion

Noise level	db 60 or less
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12. Technical Specifications of Spectrophotometer

Parameter	Requirement
Light Path	Double-beam
Wavelength	190 – 1100 nm
Spectral bandwidth	1 nm or better
Wavelength reproducibility	± 0.05 nm or better
wavelength accuracy	± 0.1 nm or better
Wavelength precision	≤ 0.2 nm
Stray Light	< 0.03% T
Photometric noise at 500 nm	< 0.00005 A or better
Photometric accuracy at 1 A	± 0.005 A or better
Photometric reproducibility at 1 A	0.002 A or better
Baseline Flatness	± 0.001 A or better
Light source	Deuterium lamp, Tungsten lamp
Display Output	Color TFT/LCD Display, USB storage and/or printer capability desirable

13. Technical Specifications of Soil and Water Multi-Parameter Testing Unit

1. Data Logger Unit (Quantity: 1 No.)

Parameter	Requirement
Enclosure	Weatherproof, Tamperproof, Rugged
Operating Temperature	0°C to 50°C
Data Storage	At least 4,000 measurements

Data Retrieval	USB Compatible and RS232
Power Source	AA Battery (included) and AC Power
Inclusion	Hard Carrying Case and Armor with probe holders

2. Accompanying Sensors

Parameter	Range
pH	-2 to +20
Oxidation Reduction Potential (for rH)	-1500 to +1500 mV
Ion Selective Electrodes	0 - 1500
Conductivity	0.001 μ S - 2500 mS
Resistivity	2 Ω to 100 M Ω
Salinity	0.01 to 50 ppt NaCL equivalent or better
Total Dissolved Solids	1 - 200 ppt
Dissolved Oxygen - RDO	0 - 50 mg/L 0 - 500%
ORP	\pm 2000 mV

Temperature	-5°C to + 100°C
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14. Technical Specifications of Infra-Red Camera Traps

1. Infra-red Camera Traps (10 Nos.)

Parameter	Requirement
Flash System	Multiple Flash
Power Source	AA Batteries
Image Resolution	20 Megapixels
Trigger Speed	0.25 Second or less
Video	With Sound
Aspect Ratio	HD Aspect (16:9); Full Aspect (4:3)
Flash Range	50 Feet or more
Memory	Expandable Memory up to 32GB

2. Dedicated Color LCD Device (2 Nos.) to View Images

3. Compatible Full Metal Security Case (10 Nos.)

15. Technical Specifications of Computer Workstation

Parameter	Requirement
Operating System	OS X (10.10 or higher)

Display	27-inch (diagonal) backlit display, 5120x2880 resolution
Storage	1 TB HDD and SSD combined
Processor	3.5GHz quad-core Intel Core i5 processor (Turbo Boost up to 3.9GHz) with 6MB L3 cache
Memory	16 GB (4 x 4 GB) of 1600MHz DDR3 memory; four SO-DIMM slots
Graphic Support	AMD M290 X graphics processor with 2GB of GDDR5 memory
Connection Ports	SDXC Card, USB 3, Ethernet port, Thunderbolt 2 port
Input Devices	Wireless keyboard & Mouse/Trackpad (included)
Power Backup	1500 VA UPS power backup (included)
External Communication and Storage Backup	2 TB wireless 802.11a/b/g/n/ac with minimum 1.3 Gbps transfer speed and ethernet connectivity

16. Technical Specifications of CHNOS Analyser

The CHNOS Analyser is expected to be a reliable workhorse with well-proven technologies for rapid determination of Carbon, Hydrogen, Nitrogen, Sulphur and Oxygen; from a wide range of samples, including but not limited to environmental and biochemical materials.

Parameter	Requirement

Modes of Operation	CHNS, CHN and Oxygen
Combustion Method	Static and Dynamic; Pregl-Dumas
Sample Size Range	0.01 mg to 500 mg
Desirable detectability of all elements	$\leq 0.05 \mu\text{g}$
Measurement Accuracy (In Helium)	$\leq 0.3\%$
Measurement Precision (In Helium)	$\leq 0.2\%$
Analysis time	≤ 8 minutes
Sampling Unit	Autosampler (>50 sampling units)
Weight transfer	Included micro analytical balance Automatic weight transfer mechanism, preferably of high precision standards from the same manufacturer or other reputed manufacturing company
Gas Requirements	Flexible; He/Ar and O ₂ , H in He