

AMBEDKAR UNIVERSITY DELHI

TENDER DOCUMENT FOR SUPPLY & INSTALLATION OF IT, AUDIO AND VISUAL EQUIPMENT AT AMBEDKAR UNIVERSITY DELHI

1. Appendix A : Terms & conditions
2. Appendix B : Schedule of requirement
3. Appendix C : Technical Bid form
4. Appendix D : Financial Bid form
5. Appendix E : Undertaking
6. Appendix F, G, H, I, J & K : Detailed Specifications of Equipment



No. /Admin/1-10(139)/ 2014-15/Audio-Visual Equip. Purchase/2014-15

23 February, 2015

To,

-----**Subject: Notice Inviting Tender for Supply & Installation of IT, Audio and Visual Equipment at Ambedkar University Delhi**

Ambedkar University Delhi (AUD) invites sealed quotations from competent & reputed manufacturers/ authorized distributors/ dealers for Supply & Installation of IT, Audio and Visual Equipment 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 16-03-2015 up to 3.00 pm, duly super scribing the work i.e. **“Technical Bid for Supply & Installation of IT, Audio and Visual Equipment at Ambedkar University Delhi”** and **“Financial Bid for Supply & Installation of IT, Audio and Visual 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. Any amendment/extension of tender date relation will be available on the aud website.

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- Director, IT Services, Ambedkar University Delhi
- 4- Advisor, Planning, 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 IT, Audio and Visual Equipment at Ambedkar University Delhi**” and “**Financial Bid for Supply & Installation of IT, Audio and Visual 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 IT, Audio and Visual Equipment at Ambedkar University Delhi**”.
- (e) The tender will be submitted **before 3:00 PM on 16-03-2015**. The Technical bid (Part-I) will be opened at 4:00 PM on 16-03-2015 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 Appendices** 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 AUD Kashmere Gate campus, where these IT, Audio and Visual 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. AUD reserves the right to procure additional quantity of items, due to changes in requirement, during this period.
- (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.
- (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 IT, Audio and Visual Equipment are available at 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 90 (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 16-03-2015 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.

13. Packing and Marking:

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.

14. Inspection, Testing and Quality Control:

- (a) The purchaser and/or its nominated representative(s) will, inspect and/or test the ordered equipment 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. 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) AUD will 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/warranty 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 is to be provided by the Vendor / Indian Agents for operation and maintenance of the equipment, to the satisfaction of the user department.

17. Warranty

- (a) The vendor **will provide Comprehensive Onsite Warranty including Spare Parts & Labour on the items/ equipment** as per manufacturer's policy. It shall certify that the supplied & installed equipment 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 for non-replacement will be applicable as per the penalty clause given in the tender.
- (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) 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 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 IT, Audio and Visual 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 manufacturers who have an annual turnover of more than Rs. 10,00,000 (Rupees ten lakh) during last three years (2011-12, 2012-13 and 2013-14) shall only be eligible;
- (b) The vendor should be either itself a manufacturer or authorised dealer/ vendor of the manufacturer. Proof of the same will be attached with the technical bid.
- (c) The manufacturer should have a dealer in Delhi to prove its capability to provide after sales service as and when required;
- (d) The vendor should have a standard price list of its products all over the country.
- (e) The tenderer/ authorised vendor/ manufacturer should have successfully executed at least three supply orders of similar nature to Central/ State Government Departments/ PSUs/ reputed Educational Institutions in the last three years. Copies of these supply orders should be attached with the technical bid.
- (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 manufacturer’s warranty for 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 IT, Audio and Visual Equipment items, which are not found meeting the required specifications or are in unsatisfactory/ unserviceable condition on his own expense. The IT, Audio and Visual 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.

27. Tender Currencies:

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

28. 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) 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.

- (e) 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.

29. Performance Security:

The vendor selected would be required to furnish a Performance Security Deposit equal to 5% of the total work order for IT, Audio and Visual 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 IT, Audio and Visual Equipment. AUD reserves the right to ask for Performance Guarantee extension if contractual obligations are not fulfilled.

30. 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.

31. 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.

32. 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:

Sl. No. (1)	Name & Specification of the items (2)	Qty Reqd (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.	Projectors for Classrooms/ Centres Resolution: 1024 x 768 XGA, ANSI Lumen: 4000	12 Nos				Rs 18,000
2.	Audio recorder with lapel microphone Hand-held multi-track stereo SD card recorder with additional lapel microphone/USB connection to PC/MAC/ ability to record up to 4 channels of audio at better than CD quality/Record up to 24-bit/96kHz/Built-In Speaker/Selectable Recording Patterns	01 Nos				Rs 1,000
3.	LED Projector WXGA for CCK Detailed technical specification is attached at Appendix- F	01 Nos				Rs 2,000
4.	Portable Mike system with one Wireless hand-held microphone and one wireless lapel microphone compatible with amplifier for events organized from time to time Receiver : Power Output 25W Max./ Inputs- Mic-1: 3mV, Mic-2: 3mV, Aux: 100mV/ REC. Output-800mV/ Tone Control Bass:±6dB at 80 Hz Treble:± 6dB at 8KHz/ Power Requirements 220-240V AC 50/60 Hz, 12 V Car Battery, 12V 3.5Ah rechargeable battery Microphone: RF Output Power 10m W(max.) Modulation Mode FM (F3E) Frequency Response 50 Hz - 15000Hz Battery 1x9V Battery	02 System				Rs 1,000
5.	Tripod for camera Sturdy material Detailed technical specification is attached at Appendix- K	02 Nos				Rs 2,000
6.	Camera bag Good Quality	02 Nos				Rs 500
7.	Wireless Collar Microphones Sturdy metal housing (transmitter and receiver) 42 MHz Bandwidth: 1680 tunable UHF frequencies Enhanced frequency bank system with up to 12 compatible	01 Nos.				Rs 1,500

	frequencies Adaptive-diversity reception for high reception quality					
8.	Audio Conference System for Staff Lounge Wireless Delegate Unit – 10 Wireless Chairman Unit – 01 Central Control Unit – 01 Wireless Access Point type DCN WAP – 01 Battery Charger – 01 Flight Case – 01 Accessories – as required Optical network cable of length 10 m- 1 nos. Flight case for 10 wireless units 1 nos. 15W wall mount premium sound two way speakers 4 nos. UHF wireless hand held microphone 2 nos. 120W mixer amplifier 1 nos. 18 SWG customized rack complete with wiring and mains panel for housing of control equipment- 1 nos. 2 core 1.5 sq mm overall PVC sheathed Loud speaker cable- 25 meter Detailed technical specification is attached at Appendix- H	01 System				Rs 45,000
9.	Public Address System for large hall (CR-12) Woofer – 06 Booster Amplifier – 01 Input Mixer – 01 Handheld microphone – 02 Table top microphone – 01 Wireless microphone – 02 18 SWG Rack – 01 Accessories – As required Detailed technical specification is attached at Appendix- I	01 System				Rs 10,000
10.	Audio system for class rooms (Equipment required in each room) Wall Speaker – 04 Mixing Amplifier – 01 Equipment Rack – 01 Cables & Accessories – As required Detailed technical specification is attached at Appendix- G	38 Classroom sets				Rs 28,000
11.	Multi Functional Printer Black-and-white printing, black-and-white copying, scanning, Duplexing Detailed technical specification is attached at Appendix- J	15 Nos				Rs 6,000

Name : _____

Designation _____
Seal of the Firm:

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 IT, Audio and Visual 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. Proof that the turnover was more than Rs 10 Lakh in the last three financial years **(indicate year-wise and attach audited document)** :

9. Purchase order of three orders to Govt organizations/ PSUs in the last three years (Attach copies).

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

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

12. 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, a 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.	Is audited accounts statement as proof that the turnover was more than Rs 10 Lakh in the last three financial years attached?		
8.	Are three purchase orders given by Govt organizations/ PSUs/ reputed Educational Institution in the last three years attached?		
9.	Whether list of three reputed users (along with telephone numbers of contact persons) attached?		
10.	Is undertaking certifying that the firm is not black listed signed as per Appx E?		
11.	Does the instrument comply with all the specifications given in Appx F to Appx I?		
12.	Whether comprehensive onsite warranty offered?		

Signature of the Proprietor/ Authorized Signatory

Rubber Seal indicating complete address

Place :

Date :

FINANCIAL BID

I/We.....
.....of

..... hereby agree, subject to acceptance of this tender by AUD, to Supply & Installation of IT, Audio and Visual 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. (1)	Name of the Item (2)	Brand Name & Model No. (3)	Rate per item (Rs.) (4)	VAT, Other Taxes (Rs.) (5)	Final Price per item (Rs.) (6 = 4+5)	Remarks (7)
1.	<u>Projectors for Classrooms/ Centres</u>					
2.	<u>Audio recorder with lapel microphone</u>					
3.	<u>LED Projector WXGA for CCK</u>					
4.	<u>Portable Mike system</u>					
5.	<u>Tripod for camera</u>					
6.	<u>Camera bag</u>					
7.	<u>Wireless Collar Microphones</u>					
8.	<u>Audio Conference System for Staff Lounge</u>					
9.	<u>Public Address System for large hall (CR-12)</u>					
10.	<u>Audio system for class rooms (Equipment required in each room)</u>					
11.	<u>Multi Functional Printer</u>					

Details of other items/other accessories

offered.....

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

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: _____

Technical specification of LED Projector WXGA for CCK

Projection Method Ceiling : Front Rear

3D Capability : DLP 3D

Video Compatibility :EDTV/HDTV/NTSC/PAL/SDTV/SECAM

Computer Compatibility : Mac PC/Windows PC

Projection Lens : Lens Type-Manual Focus Maximum Lens- Aperture F/1.5, Maximum Focal Length13.92 mm , Minimum Diagonal Image Size762 mm , Maximum Diagonal Image Size2540 mm, Minimum Projection Distance 900 mm, Maximum Projection Distance3 m

Lamp : Lamp TypeLED /Number of Lamps 1/Normal Mode Lamp Life 20000 Hour Economy Mode Lamp Life30000 Hour

Image :Maximum Vertical Sync120 Hz Maximum Horizontal Sync100 kHz Minimum Vertical Sync50 Hz Minimum Horizontal Sync30 kHz Colour Support1.07 Billion Colors (30-bit)Maximum Resolution1920 x 1080Native Resolution1280 x 800Native Aspect Ratio16:10Compatible Aspect Ratio16:9 4:3 Contrast Ratio10,000:1Throw Ratio1.4:1Vertical Keystone Correction-40°/+40°Digital Zoom1.7x

Audio :Number of Speakers1Speaker Output Power3 W Speaker Output Mode Mono

Multimedia Features- Multimedia Play back: Adobe PDF Viewer Audio Playback Microsoft Excel Microsoft PowerPoint Microsoft Word Photo Slide Show Video Playback Supported Multimedia Formats : Video Formats H.264/MPEG-1/MPEG-2/MPEG-4/VC-1/Audio Formats AAC/MP1/MP2/MP3/PCM/WAV/WMA/Image Formats BMP/JPEG

Interfaces/Ports :Number of HDMI Ports-1, HDMI- Yes, USB- Yes Composite Video- Yes

Power Description : Power Supply100 V AC~240 V AC Input Voltage120 V AC, 230 V AC, Operating Power Consumption135 W

Physical Characteristics Weight (Approximate) :1.30 kg Fan Noise29 dB Approximate Economy Mode 33 dB Approximate Standard Mode, Temperature5°C to 40°C Humidity80% Maximum Relative Humidity

Miscellaneous Package Contents : K335 DLP Projector/ AC Power Cord/VGA Cable/ Composite Video Cable/ Remote Control/ Battery for Remote Control/ Carrying Case/ User's Guide (CD-ROM)/ Network/Multimedia Guide (CD-ROM)/ Quick Start Guide Optional Accessories/ Dust Filter/ iPhone/iPod Adapter/ 3D Glasses

Warranty :2 Year Limited Warranty

— A

Technical Specification for Audio System for Class Rooms

S. No.	Description
1	Wall Speaker Power Handling Capacity : 18W,Effective Frequency Range 200-15kHz, Rated Voltage 100V,Rated impedance in ohms 833, High sound pressure level, wide opening angle , Inbuilt 100V Line matching transform, Dimensions (H-24.3, W-23.4, D-13.2)cm , Optimized for Music & Speech,
2	Mixing Amplifier 4 Mic. Level balanced input Built in speech filter for increased intelligibility Priority and VOX Operation Three stereo line input selection Selectable 2 tone chime Separate Bass & treble control Multiple outputs (4Ω, 8Ω, 70V, 100V Power Out put 60W
3	Equipment Rack
4	Speaker Cable :- 2 core of high quality with minimum data loss,1.13mm,AWG-16.foil-shielded, twisted-pair,Capacitance: 8.5 pF ((per foot at a frequency of 10 kHz),Conductor Stranded bare copper, Insulation PVC

Technical specification of Audio Conference System for Staff Lounge

Wireless chairman unit with microphone selection button and volume control button, and battery pack

With additional features as below:

- Gooseneck electric microphone with short and long microphone stem and unidirectional cardioid polar pattern with LED indication for mic ON & green indication for request to speak
- Built in loudspeaker with a frequency response of 20Hz-20kHz

Auto microphone-off.

- Auto search for own network.
- Auto switch-off when out of range.
- Button to override the delegate unit microphones and another button to activate the microphone button.
- Frequency response 30 Hz - 20 kHz
- Headphone load impedance >32 ohm <1k ohm
- Output power 2 x 15 mW/32 ohm
- Mounting Tabletop

Wireless delegate unit with microphone selection button and volume control button and battery pack

With additional features as below:

- Gooseneck electric microphone with short and long microphone stem and unidirectional cardioid polar pattern with LED indication for mic ON & green indication for request to speak
- Built in loudspeaker with a frequency response of 20Hz-20kHz

Short and long microphone stem.

- Auto microphone-off.
- Auto search for own network.
- Auto switch-off when out of range.
- Button to activate the microphone button. Frequency response 30 Hz - 20 kHz
- Headphone load impedance >32 ohm <1k ohm
- Output power 2 x 15 mW/32 ohm
- Mounting Tabletop

Discussion control unit which can control upto 245 wireless and 245 wired discussion units

- Optical network for connection to a wireless access point and other conference equipment with a single branch or redundant loop configurations.
- Basic microphone management facilities with up to 4 open microphones (3 for delegates and 1 for the chairman).
- Each microphone with operational mode for:
 - o Open: request-to speak (Number of open microphones up to 4).
 - o Override: microphone button with override of active delegates (FIFO).
 - o PTT: Push To Talk (push and hold button to speak).
- Optional simultaneous interpretation function with up to 31 language channels including one floor channel via language distribution system
- Automatic camera control
- Extended conference facilities when using control PC software or remote controllers

With following features:

- Supply voltage 100-240 VAc
- Power consumption 360 W
- Optical network supply 40 VDC, max 65 W
- Total supply power 320 W
- RS-232 connection 1 x nine-pole Sub-D female socket
- Frequency response 30Hz – 20 kHz (-3dB at nominal level)
- THD at nominal level < 0.5 %
- Cross talk attenuation > 85 dB at 1 kHz
- Dynamic range > 90 dB
- Signal-to-noise ratio > 87 dBA
- Audio inputs 2(XLR and Cinch)
- Audio outputs 2(XLR and Cinch)
- Mounting Free-standing(Table top) or mounted in a 19"-rack
- Secure wireless communication between the wireless access point and the discussion units is in the 2.4 GHz band, which is license-free worldwide.
- Typical covered range 30 m (100 ft).

Wireless access point for the wireless controlling units having a typical range of 30m(approx) digitally protected for wireless com, elegant in design, wall, ceiling and floor stand mountable

Charger for 5 battery packs

Technical specifications of Public Address System for Class Room no. CR-12

Technical Specifications of PA for CR-12

- Two-way twin 6" woofer and 1" horn loaded 100 x 90 tweeter.
- Internal 70/100-volt line transformer.
- Black cabinet, Includes mounting system with SVID 6.2T of Electrovoice range
- 480W booster amplifier type LBD 1938
- Input mixer for multiple microphone inputs type EPM-8 of soundcraft
- Wireless handheld microphone type R300-HD-A of Electrovoice range
- Table top microphone with gooseneck microphone type LBB 1950
- Supply of wireless lapel microphone type R300-L-A of Electrovoice range
- 18 SWG rack of MS duly wired provided with front and back lockable door, front door with acrylic sheet, back door with louvers with provision for housing the above control equipment complete with mains panel, connecting strip etc.
- 2 core 24/0.2 sq mm overall PVC sheathed loud speaker cable
- Multistrand screened overall PVC sheathed microphone cable
- Audio wires with accessories

Technical Specifications of Multi Function Printer

Functions

- Black-and-white printing, black-and-white copying, black-and-white and colour scanning

Printing specifications

Print speed black:

Normal: Up to 14 ppm

Duty cycle (monthly, A4)

Up to 5000 pages

Print technology

Monochrome Laser

Print quality black (best)

Up to 600 x 600 dpi

Print languages

Host-based

Display

2-in LCD, text

Processor speed

230 MHz

Duplex facility

Technical specification of Tripod

Still Camera Tripod

Head Unit

attaches by.	1/4" and 3/8" screws attachment type
attachment	3/8" female thread attachment type
bubble spirit level (no.)	3 number
Color	black color
front tilt	-25° / +90° tilt range
lateral tilt	-90° / +30° tilt range
material	aluminum
panoramic rotation	360 °
plate type	030-14
quick release	yes
secondary safety system	yes
safety payload	12 kg
working height	16

Frame

attachment number	3/8" screw attachment type
bubble spirit level (no.)	1 number
centre column	rapid
Color	black color
column tube diameter	25mm
leg angles	25°.46°.66°.89°
legs tube diameter	24.8 . 20.4 . 16 mm
material	carbon fiber tubing + magnesium castings
patent	patented
suggested dolly	127. 127VS
closed length	58 cm
leg sections	3 number
maximum height	146 cm
maximum height (with centre column down)	122 cm
minimum height	8 cm
safety payload	5 kg

Video Camera Tripod

closed length	75 cm
Load Capacity	4 kg
maximum height	156 cm
minimum height	70.5 cm
Safety Payload Weight	7 kg (Approx)