

HIGH COURT OF MADHYA PRADESH, JABALPUR

Ref No. Reg(IT)(SA)/2016/648

Dated:20.07.2016



Bid Document for

**Supply, Installation, Commissioning and Maintenance of Audio
Video solution for Madhya Pradesh State Judicial Academy**

Note: This document contains total 70 pages including cover. No change and modification in the document by the bidder is permissible.

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Section – I

NOTICE INVITING TENDER

Ref No. Reg(IT)(SA)/2016/648

Dated:20.07.2016

The Registrar General, on behalf of High Court of Madhya Pradesh, Jabalpur invites sealed tenders in two cover system from experienced and reputed firms/organizations/ Original Equipment Manufacturers and dealers for the “**Supply, Installation, Commissioning and Maintenance of Audio Video solution for Madhya Pradesh State Judicial Academy**”

Sl. No.	Estimated cost (Rs. in Crore)	EMD (In Rs.)	Cost of Tender Document (in Rs.)	Last Date / Time of Submission	Date and Time of Opening technical bid	Time for Completion of the Work
1.	1 Crore	5 Lakh	10,000/-	25.08.2016 before 3:00 PM	25.08.2016 before at 3:30 PM	30 days

The complete tender document may be obtained in person or by authorized representative during office hours on normal working days on payment of nonrefundable Tender Document fee of Rs.10,000/- (Rupees Ten thousand only) in the form of Demand Draft in favour of “**Registrar General, High Court of Madhya Pradesh**”. The complete Tender document can also be downloaded from website www.mphc.gov.in and Government tender portal www.tenders.gov.in. The firms submitting the downloaded version would need to pay the cost of the tender document in the above manner. All other terms and conditions for submission of tender are contained in the tender Document. If the date of Bid submission / opening is declared as holiday then the bid shall be submitted / opened on the next working day.

The Registrar General, High Court of Madhya Pradesh Jabalpur (M.P.) reserves the right to accept or reject any or all bids without assigning any reason thereof.

Address for communication:

**Registrar General,
High Court of Madhya Pradesh
Jabalpur - 482001(M.P.)
Landline: 0761-2623358
e-mail: mphc@nic.in**

Section – II

2. INSTRUCTIONS TO BIDDERS:-

2.1 DEFINITIONS:-

- a) **“The Employer”** or **“The Purchaser”** means the Registrar General, High Court of Madhya Pradesh, Jabalpur.
- b) **“The Bidder”** means a firm or Joint Venture or Consortium which participates in the tender and submits its proposal.
- c) **“Successful Bidder”** means the Bidder, who, after the complete evaluation process, gets the Letter of Award. The Successful Bidder shall be deemed as **“Contractor”** appearing anywhere in the document.
- d) **“The Letter of Award”** means the issue of a signed letter by the Purchaser of its intention to award the work mentioning the total Contract Value. The timeline for delivery of products and services will start from the date of issue of Letter of Award.
- e) **“The Contract”** means the agreement entered into between the Employer and the Contractor, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- f) **“The Contractor”** means the individual or firm supplying the Goods and Services under this Contract.
- g) **“The Contract Price”** means the price payable to the Successful Bidder under the Letter of Award for the full and proper performance of its contractual obligations. The Contract Price shall be deemed as **“Contract Value”** appearing anywhere in the document.

- h) **“Site Acceptance Test (SAT)”** is a process of testing the contracted services provided by the Bidder at High Court of M.P., Jabalpur of the Purchaser. SAT comprises of Product Acceptance Tests with respect to Technical Specifications and Bill of Materials as specified in this tender, checking the installation, commissioning and integration of sub-components and giving Training at the site.
- i) **“Services”** supply, installation, commissioning, maintenance and onsite training of audio visual system and related accessories at High Court of Madhya Pradesh, Jabalpur.
- j) **“NIT”** is the Notice Inviting Tender. It is essentially the Press Notification of the Tender.
- k) **“OEM”** - means Original Equipment Manufacturer.
- l) This tender is subject to availability of Budget / Funds with the High Court of M.P., Jabalpur.

2.2 BID DOCUMENT:-

2.2.1 The process and procedures of bidding, the materials to be supplied and the various terms and conditions of this tender are provided in the Bid Document.

The Bid Documents include:-

- i. Section I Notice Inviting Tender
- ii. Section II Instructions to Bidders
- iii. Section III General Conditions of Contract
- iv. Section IV Special Conditions of Contract
- v. Section V Scope of work
- vi. Section VI Technical Specifications & Bill of Material
- vii. Section VII Formats for Submission of Proposals
- viii. Section VIII Certificates

2.2.2 The Bidder should carefully read all the instructions, terms and conditions, specifications and various forms that are provided in

the Bid Document. The tender may be rejected if any or all of the information asked for in this document are not furnished along with the tender or if the tender is not responsive with the Bid Document.

2.3 AMENDMENT OF BID DOCUMENTS:-

2.3.1 At any time, prior to the date of submission of Bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify bid documents by amendments.

2.4 COST OF BIDDING:-

The Bidder has to bear all the costs associated with the preparation and submission of the bid. Purchaser will, in no case, be responsible or liable for any of the costs, regardless of the conduct or outcome of the bidding process.

2.5 APPLICATION FEE (AF) AND EARNEST MONEY DEPOSIT (EMD) :-

2.5.1 The proposal should be submitted along with an application fee of **Rs.10,000/- (Rupees Ten Thousand only)** and Earnest Money Deposit (EMD) of Rs.5,00,000/- (Rupees Five Lakh Only) in the form of a demand draft / pay order / unconditional Bank Guarantee drawn in favour of "**Registrar General, High Court of Madhya Pradesh, Jabalpur**" of any Nationalized / Scheduled bank payable at the Bid submitted without EMD and/or the application fee shall be summarily rejected.

2.5.2 The EMD of the successful Bidder will be returned when the Bidder has signed the Contract Agreement with the purchaser and has furnished the required Performance Guarantee.

2.5.3 The EMD will be forfeited:

- (i) If a Bidder withdraws its bid during the period of bid validity.
- or**

- (ii) If the Bidder fails to accept the Purchaser's corrections of arithmetic errors in the Bidder's bid (if any), **or**
- (iii) If the Successful Bidder fails to sign the contract agreement with the purchaser, **or**
- (iv) If the Successful Bidder fails to furnish the Performance Guarantee within the stipulated time.

2.6 BID PRICES:-

The Bidder shall give the pricing as individual and as a total composite price inclusive of all levies & taxes i.e. VAT Tax (Value Added Tax), Service Tax, packing, forwarding, freight and insurance etc.

2.7 DISCOUNTS:-

The Bidders are informed that **discount**, if any, should be included in the total price.

2.8 BID VALIDITY:-

The bids shall remain valid for a period of **150 days** from the last date of submission.

2.9 ONLY ONE BID PER PARTY:-

Each bidder is permitted to submit ONLY ONE BID irrespective of whether he is the sole bidder, or the Leader or Member of a duly formed JV or Consortium. In case it is found that any party has submitted more than one bid for the subject work(s) in any of the above capacities, all bids so submitted may be summarily rejected and the EMPLOYER shall not entertain any further request/ correspondence in this matter. No joint venture shall be accepted.

2.10 SUBMISSION OF PROPOSALS:-

2.10.1 All proposals will have to be submitted ONLY in HARD BOUND (Hard bound implies such binding between two

covers through stitching or otherwise whereby it may not be possible to replace any paper without disturbing the document) form with all pages sequentially numbered either at the top or at the bottom right corner of each page. It should also have an index giving page wise information of above documents. Incomplete proposal or those received without hard bound shall summarily be rejected. All the Pages and Papers are to be sealed and signed.

2.10.2 The Bidders are required to fill up and submit the documents with their proposals.

2.10.3 The proposals shall be submitted in three parts, viz.,

(a) **Envelope-1:** Containing application fee of Rs.10,000/- (Rs Ten Thousand only) & EMD of Rs 5,00,000/- (Rs. Five Lakh only). The envelope should be superscribed as “**Envelope 1 – EMD & Application FEE**” at the top left corner.

(b) **Envelope-2:** Pre-qualification Proposal and Technical Proposal super scribed as “**Envelope 2 – Pre-qualification and Technical Proposal**” (Containing duly signed PRE-QUALIFICATION PROPOSAL SUBMISSION FORM as prescribed in **the tender**, Other required Prequalification documents, clause-by-clause compliance to the technical specifications of the equipments as prescribed in **Section-VI**, all technical literature, brochures, any other related material etc.). In the technical proposal, there should not be any indication about the prices (printed or otherwise) of any of the products offered.

(c) **Envelope-3:** Commercial Proposal containing only the **Section-VII –Price Schedule** super scribed as “**Envelope 3 – Financial Proposal**”.

2.10.4 All the sealed envelopes should again be placed in a sealed cover super scribed as “Supply, Installation, Commissioning

and Maintenance **Audio Video solution for the Madhya Pradesh State Judicial Academy** from: M/s -----
-----” “NOT TO BE OPENED BEFORE **3.30 P.M on 25/08/2016**, which will be received and time mentioned in the Schedule of Events (Section-II – 2.16) of this document. The Bid is to be submitted to the “**Registrar General, High Court of Madhya Pradesh, Jabalpur**”.

2.10.5 The Bids and all correspondence and documents relating to the bids, shall be written in the English language.

2.11 LATE BIDS:-

Any bid received by the Purchaser after the time and date for receipt of bids prescribed by the Purchaser in the tender may be rejected and returned unopened to the Bidder.

2.12 MODIFICATION AND WITHDRAWAL OF BIDS:-

2.12.1 The Bidder is allowed to modify or withdraw its submitted bid any time prior to the last date prescribed for receipt of bids, by giving a written notice to the Purchaser.

2.12.2 Subsequent to the last date for receipt of bids, no modification/ withdrawal of bids shall be allowed.

2.12.3 The Bidders cannot withdraw the bid in the interval between the last date for receipt of bids and the expiry of the bid validity period specified in the Bid. Such withdrawal may result in the forfeiture of its EMD from the Bidder.

2.13 LOCAL CONDITIONS:-

2.13.1 Each Bidder is expected to fully get acquainted with the local conditions and factors, which would have any effect on the performance of the contract and /or the cost.

2.13.2 The Bidder is expected to know all conditions and factors, which may have any effect on the execution of the contract after issue of Letter of Award as described in the bidding

documents. The Purchaser shall not entertain any request for clarification from the Bidder regarding such local conditions.

2.14 CONTACTING THE PURCHASER:-

Any effort by a Bidder influencing the Purchaser's bid evaluation, bid comparison or contract award decisions may result in the rejection of the bid.

2.15 ELIGIBILITY/ PRE-QUALIFICATION CRITERIA:-

2.15.1 The bidder should have integrated capability for undertaking such jobs of supply and installation of audio video system and has successfully executed such jobs. **A profile and supporting documents should be submitted along with the Technical Bid.**

2.15.2 Bidders that meet **ALL** of the following pre-qualification criteria need only apply. Average Annual Financial Turnover of the bidder during the last 03 years, ending 31st March, 2016 of previous financial year should be at least Rs. 5 Crore.

Documentary proof needs to be submitted for the above.

2.15.3 Experience in Supply, Installation, commissioning, Maintenance of installation of audio video system during last 5 years ending last day of month previous to the month of publication of this tender, should be following:

Three similar completed work each costing not less than the amount of Rs. 30 Lakh.

2.16 SCHEDULE OF EVENTS:-

The tentative dates for the schedule of key events of this tender are given as under:

S. No.	Events	Date
01	Date of pre-bid meeting in the Conference Hall, South Block , High Court of M.P., Jabalpur	06.08.2016 at 11:30 AM in Conference Hall, South Block, High Court of M.P. Jabalpur
02	Last date and time of proposal submission.	25.08.2016 before 3:00 PM
03	Date and time of opening of the technical Bid at High Court of Madhya Pradesh, Jabalpur	25.08.2016 at 3:30 PM

04	Date and time of opening of the price Bid at High Court of Madhya Pradesh, Jabalpur	Shortlisted bidders shall be intimated via e-mail / letter.
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2.17 OPENING OF PROPOSAL:-

The Evaluation Committee or its authorized representative will open the tenders.

2.18 EVALUATION:-

2.18.1 The Purchaser reserves the right to modify the Evaluation Process at any time during the Tender Process, without assigning any reason, whatsoever, and without any requirement of intimating the Bidders of any such change.

2.18.2 Any time during the process of evaluation, the Purchaser may seek for clarifications from any or all Bidders.

2.18.3 **Phase-1: Application Fee & EMD:** First, the envelope containing Application fee and Earnest Money Deposit will be opened and if both are found furnished by the Bidders in the prescribed manner, then the second envelope containing Pre-Qualification & Technical Proposal documents shall be opened. At any stage during the evaluation, if the EMD is found invalid, the respective Bidder's bid will be summarily rejected.

Phase-2: Pre-Qualification and Technical Proposal Evaluation: The Bidder shall have to fulfill all the Pre-qualification Criteria. These documents will be scrutinized along with the Technical Proposal in this phase of evaluation. Those bidders who do not fulfill the terms and conditions of Pre-qualification Criteria as specified in this tender or whose Technical Proposal is non-responsive will not be eligible for further communication. Technical Proposals of the Bidders would be evaluated for the clause-by-clause compliance of the technical specifications as mentioned in the Bid document. Evaluation of Prequalification and Technical Proposal by Registrar General, High Court of Madhya Pradesh shall not be questioned by any of the Bidders. The Purchaser reserves the

right to ask for a technical elaboration/clarification in the form of a technical presentation from the Bidder on the already submitted Technical Proposal at any point of time before opening of the Commercial Proposal. The proposals shall be opened in presence of their representatives who choose to attend.

The Commercial Proposal Evaluation will be based on the “Total Cost”, which would be the total payouts including all taxes, duties and levies for the supply, installation, commissioning, system integration of audio video system and maintenance cost. The bid shall be treated as a complete package.

2.19 DECIDING AWARD OF CONTRACT:-

2.19.1 The Purchaser reserves the right to ask for a technical elaboration/ clarification in the form of a technical presentation from the Bidder on the already submitted Technical Proposal at any point of time after opening the proposal. The Bidder has to present the required information to the Registrar General, High Court of Madhya Pradesh or its appointed representative on the date asked for, at no cost to the Purchaser.

2.19.2 Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the Bidder does not accept the correction of the errors, his bid will be rejected. If there is a discrepancy between words and figures, the amount mentioned in words will prevail.

2.19.3 The Purchaser will notify the Successful Bidder on its intention to award the work through “Letter of Award” mentioning the total purchase Value. The timeline for delivery of products and services will start from the date of issue of Letter of Award.

2.19.4 The Purchaser will subsequently send the Successful Bidder the Form of Contract Agreement, incorporating all agreements between the parties.

2.19.5 as soon as practically possible, following receipt of the Form of Contract Agreement, the successful Bidder shall sign and date the Form of Contract Agreement and return it to the Purchaser. This is deemed as the “Contract” or “Contract Agreement” defined elsewhere in this tender document.

2.20 GENERAL INSTRUCTIONS TO THE BIDDERS:-

2.20.1 The cost of preparing a proposal, cost involved for the technical presentation and of visits to the High Court of Madhya Pradesh is not reimbursable.

2.20.2 All cutting, overwriting in the proposal should be authenticated by the initials of the authorized signatory. In case of any calculation error the unit rates would prevail. The amount will also have to be written in words.

2.20.3 Successful bidder must ensure his establishment in India and in Madhya Pradesh and location mentioned above for post-installation services and support.

2.20.4 Canvassing in any form will lead to disqualification of the bid.

2.21 CONFIDENTIALITY:-

2.21.1 The Bidder shall keep confidential any information related to this tender with the same degree of care as it would treat its own confidential information. The Bidders shall note that the confidential information will be used only for the purposes of this tender and shall not be disclosed to any third party for any reason whatsoever.

2.21.2 As used herein, the term “Confidential Information” means any written information, including without intimation, information created by or for the other party, which relates to internal

controls, computer or data processing programs, algorithms, electronic data processing applications, routines, subroutines, techniques or systems, or information concerning the business or financial affairs and methods of operation or proposed methods of operation, accounts, transactions, proposed transactions or security procedures of either party or any of its affiliates, or any client of either party, except such information which is in the public domain at the time of its disclosure or thereafter enters the public domain other than as a result of a breach of duty on the part of the party receiving such information. It is the express intent of the parties that all the business process and methods used by the Bidder in rendering the services hereunder are the Confidential Information of the Bidder.

2.21.3 At all times during the performance of the Services, the Bidder shall abide by all applicable High Court of Madhya Pradesh security rules, policies, standards, guidelines and procedures. The Bidder should note that before any of its employees or assignees is given access to the Confidential Information, each such employee and assignees shall agree to be bound by the term of this tender and such rules, policies, standards, guidelines and procedures by its employees or agents.

2.21.4 The Bidder should not disclose to any other party and keep confidential the terms and conditions of this tender, any amendment hereof, and any Attachment or Annexure hereof.

2.21.5 The obligations of confidentiality under this section shall survive rejection/termination/expiry of the contract for a period of five years.

Section – III

3 GENERAL CONDITIONS OF THE CONTRACT (GCC):-

3.1 SPECIFICATIONS:-

The Products/equipment supplied under this contract shall conform to the Technical Specifications given in this tender under Section VI.

3.2 PERFORMANCE GUARANTEE:-

3.2.1 The Successful Bidder will be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India equivalent to 10% of the Contract Value valid for a period of **62 months** within 15 days from the date of contract.

3.2.2 Bank Guarantee:-

The Bank Guarantee issued by following banks would be accepted. SBI or its subsidiaries, any Indian Nationalized Bank/Scheduled Bank, Export Import Bank of India, a foreign bank (issued by a branch outside India) with counter guarantee from SBI or its subsidiaries or any Indian Nationalized Bank, and any scheduled commercial bank approved by RBI having a net worth of not less than Rs. 500 Crores as per the latest annual report of the bank.

3.2.3 The Performance Guarantee shall be as per the format approved by the Registrar General, High Court of M.P., Jabalpur.

3.2.4 The Performance Guarantee shall be payable to the Purchaser as a compensation for any loss resulting from the Bidder's failure to complete its obligations under the contract. The Purchaser will discharge the Performance Guarantee after completion of the Bidder's performance obligations, including any warranty obligations, under the contract.

3.3 DELIVERY OF MATERIALS AND RELATED DOCUMENTATION:-

- 3.3.1 Delivery, Installation and Commissioning of the materials /items along with the related documents as per Bill of Materials Section and Technical Specification Section are the responsibility of the Bidder.
- 3.3.2 The Successful Bidder shall ensure that all Products/equipments are supplied within the Implementation schedule mentioned in the tender document under Section IV.
- 3.3.3 The Successful Bidder shall submit all the Software Kits (CDs), License Papers, Warranty Papers and any other relevant documentation related to the supplied products to the Purchaser along with the supplied products/equipments/software.

3.4 WARRANTY:-

- 3.4.1 The Bidder is required to provide on-site comprehensive warranty valid for the period of 60 months for all supplied products/ equipments / softwares.
- 3.4.2 The Bidder shall warrant that all the equipment supplied under the contract is newly manufactured and shall have no defect arising out of design, materials or workmanship or from any act or omission of the Bidder that may develop under normal use of the supplied equipments in the conditions prevailing across the country.
- 3.4.3 The Bidder shall warrant that the services provided under the contract shall be as per the Warranty Service Level Requirements given under **Section-V**. During the warranty, the Bidder shall perform all the functions as enunciated in Section-V at no extra cost to the Purchaser. All the penalty clauses shall be applicable during the period of warranty in

case of failure on part of Bidder. The terms and conditions for Warranty are given in **Section-V**.

- 3.4.4 The Bidder shall quote for comprehensive on-site warranty for Five years, which shall become effective after the Final Acceptance Sign-off. The cost, including visits of the engineers, etc, shall be quoted as part of the individual equipment prices. No separate charges shall be paid for visit of engineers or attending to faults and repairs or supply of spare parts.
- 3.4.5 The Registrar General, High Court of Madhya Pradesh shall promptly notify the Bidder about any claims arising under this warranty. Upon receipt of such notice, the Bidder shall repair/replace/reconfigure/re-provision the defective equipment or service. Replacement under warranty clause shall be made by the Successful Bidder free of all charges at site including freight, insurance and other incidental charges.
- 3.4.6 The Bidder shall at the time of submitting the bid submit the Technical Proposal specifying how the Bidder proposes to carry out repair under Warranty. The Bidder shall also indicate what spares will be kept for immediate replacement. The infrastructure planned to be created by the Bidder to fulfill his obligations under Warranty and his action plan to deal with the various situations arising out of hardware and software faults shall be clearly indicated.
- 3.4.7 If the Bidder, having been notified, fails to remedy the defect(s) within the period specified in the Service Level Agreement, the Registrar General, High Court of Madhya Pradesh may proceed to take such remedial action as may be necessary at the Bidder's risk and expense and without prejudice to any other rights, which the Registrar General, High Court of Madhya Pradesh may have against the Bidder under the contract.

3.5 PAYMENT TERMS:-

3.5.1 For the supply, installation, commissioning, testing, training and warranty maintenance of items as per tender for 60 months:

Payments will be made in **Indian Rupees only**

3.5.1.1 70% of total price against delivery of the all equipments at the site.

3.5.1.2 30 % of total price against successful Installation of the system.

3.6 PRICES:-

3.6.1 The rates and prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subjected to adjustment.

3.7 PURCHASER'S RIGHTS:-

3.7.1 *The Purchaser reserves the right to make changes within the scope of the work at any point of time.*

3.7.2 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds of purchaser's action.

3.8 TIME SCHEDULE TO COMPLETE THE CONTRACT:-

3.8.1 **The successful bidder shall complete the assignment within 30 days from the date of contract.**

3.8.2 The Successful Bidder shall ensure that the delivery of Products/ equipment and/or the delivery of the services are in accordance with the time schedules specified in this tender. In case of any deviation from the schedule, the Purchaser reserves the right to either cancel the Contract and/or recover Liquidated Damage charges.

3.8.3 The Successful Bidder, if faced with problems in timely delivery of services, which have dependencies on the Service Provider and/or the Purchaser, which are beyond their control at any time before the Final Acceptance Signoff, shall immediately inform the Purchaser in writing, about the causes of the delay and tentative duration of such delay etc. The Purchaser, on receipt of such notice, shall analyze the facts at the earliest and may at its sole discretion, extend the contract period as deemed reasonable.

3.8.4 Any delay by the Successful Bidder in the delivery of Products/ equipment and/or the services will make the Successful Bidder liable to any or all of the following:

- i. Forfeiture of Performance Bank Guarantee
- ii. Imposition of Liquidated Damage charges
- iii. Termination of the contract for default.
- iv Blacklisting of the Successful Bidder

3.9 LIQUIDATED DAMAGES:-

If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 10% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract.

3.10 FORCE MAJEURE:-

3.10.1 Neither party shall be responsible to the other for any delay or failure in performance of its obligations due to any occurrence commonly known as Force Majeure which is beyond the control of any of the parties, including, but without limited to,

fire, flood, explosion, acts of God or any governmental body, public disorder, riots, embargoes, or strikes, acts of military authority, epidemics, strikes, lockouts or other labour disputes, insurrections, civil commotion, war, enemy actions.

3.10.2 If a Force Majeure arises, the Bidder shall promptly notify Registrar General, High Court of Madhya Pradesh in writing of such condition and the cause thereof. Unless otherwise directed by Registrar General, High Court of Madhya Pradesh the Bidder shall continue to perform his obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. The Bidder shall be excused from performance of his obligations in whole or part as long as such causes, circumstances or events shall continue to prevent or delay such performance.

3.11 TERMINATION:-

3.11.1 Termination on expiry of the CONTRACT: The Agreement shall be deemed to have been automatically terminated on the expiry of the Contract period unless the Registrar General, High Court of Madhya Pradesh has exercised its option to extend the Contract in accordance with the provisions, if any, of the Contract.

3.11.2 Termination on account of Force Majeure: The Registrar General, High Court of Madhya Pradesh shall have the right to terminate the Contract on account of Force Majeure.

3.11.3 Termination on account of insolvency: In the event the Successful Bidder at any time during the term of the Contract becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt, then the Registrar General, High Court of Madhya Pradesh, Jabalpur shall, by a notice in writing have the right to terminate the Contract and all the Successful Bidder's rights and privileges hereunder, shall stand terminated forthwith.

- 3.11.4 Termination for breach of contract: A breach by the Successful Bidder of its obligations hereunder and such breach not being rectified by the Successful Bidder within 30 days of receipt of the Purchaser's notice intimating such breach. Upon termination, the Successful Bidder shall surrender all the data and materials belonging to the Purchaser.
- 3.11.5 Termination for delay: Successful Bidder shall be required to perform all activities/services as per the terms and conditions mentioned in the tender document. If the Successful Bidder fails to do so, the Contract may be terminated by Registrar General, High Court of Madhya Pradesh by giving written notice unless Registrar General, High Court of Madhya Pradesh has extended the period with levy of Liquidated Damages as per tender.
- 3.11.6 The Registrar General, High Court of Madhya Pradesh may at any time terminate the Contract by giving notice without assigning any reason.
- 3.11.7 Consequences of termination: In all cases of termination herein set forth, the obligation of the Registrar General, High Court of Madhya Pradesh to pay shall be limited to the period upto the date of effective termination. Notwithstanding the termination of the Agreement, the parties shall continue to be bound by the provisions of the Agreement that reasonably require some action or forbearance after such termination.
- 3.11.8 In case of termination of Contract herein set forth the Contractor shall be put on holiday *[i.e. neither any enquiry will be issued to the party by the Registrar General, High Court of Madhya Pradesh against any type of tender nor their offer will be considered by Registrar General, High Court of Madhya Pradesh against any ongoing tender(s) where contract between Registrar General, High Court of Madhya Pradesh*

and that particular Contractor (as a bidder) has not been finalized] for two years from the date of termination by the Registrar General, High Court of Madhya Pradesh to such Contractor.

3.12 ARBITRATION:-

In case of any dispute following arbitration clause will apply:-

Any question, dispute or difference arising under the contract, shall be referred to the sole arbitrator appointed by Hon'ble the Chief Justice of High Court of M.P., Jabalpur. The award of the arbitrator shall be final and binding on both the parties to the contract. The place of arbitration shall at Jabalpur only.

The expense of arbitration will be incurred by the parties asked and subject t to final award. The Arbitration & Reconciliation Act 1996 and the rules there under, any statutory modification thereof for the time being in force shall be deemed to apply to the arbitration proceedings under this contract.

3.13 GOVERNING LAWS AND JURISDICTION:-

The Agreement shall be governed by the laws in force in India. Any dispute arising in relation to the Agreement shall be subject to the Jurisdiction of the Courts at Jabalpur.

Section – IV

4. SPECIAL CONDITIONS OF THE CONTRACT (SCC) :-

4.1 DEFINITION:-

These conditions given in this Section IV, supplement the “Instructions to the Bidders” given in Section II & conditions given in Section III and in case of any conflict, the conditions given herein shall prevail over those in Sections II and III.

4.2 EQUIPMENTS AND SUPPORTING ACCESSORIES / SOFTWARE:-

4.2.1 All the equipments / systems / items to be supplied shall conform to the relevant technical specifications as mentioned in Section VI of this document.

4.3 SITE ACCEPTANCE TESTS (SAT):-

4.3.1 The Purchaser shall carry out all the tests detailed in the Acceptance Test Schedule to be furnished by the Contractor to confirm that the performance of the entire installation satisfies the specification requirements. The Purchaser reserves the right to include any other tests which in his opinion is necessary to ensure that the equipment meets the specifications.

4.3.2 The Purchaser reserves the right to ask for modifications/additions to the Site Acceptance Test Procedure at any point of time till the Site Acceptance signoff of each location.

4.3.3 The Site Acceptance Tests shall cover the intended functioning of the equipments with proper integration with other sub components, applications and softwares.

4.3.4 The contractor shall carry out the Site Acceptance Tests in the presence and supervision of the Purchaser or its designated Officer at the site. The contractor, at its own cost, shall provide the testing of equipment/instruments/software

programs necessary for performing and demonstrating the Site Acceptance Tests.

- 4.3.5 The purchaser or its appointed testing authority shall supervise the tests at each site, as described in the site acceptance test procedure and performed by the contractor to confirm that the complete solution at each site satisfies the requirement of specifications including the service performance.
- 4.3.6 The contractor shall rectify all deficiencies immediately, if found, in the performance of the system as per the requirement during the Site Acceptance Tests, at no cost to the High Court of Madhya Pradesh, Jabalpur.
- 4.3.7 Any components or modules failing during the acceptance tests shall be replaced free of cost by the Contractor. These replacements shall not be made out of spares supplied by the Contractor as part of supplies under this Contract. This shall also not entitle the contractor to any extension of completion time.
- 4.3.8 The cost of all test and / or analysis shall be fully borne by the contractor.
- 4.3.9 The completed installation at all stages shall be subjected to checks and tests as decided by Purchaser. The contractor shall be liable to remedy all of such defects as discovered during these checks and test and make good all deficiencies brought out. The complete installation shall be taken over finally on successful commissioning in entirety.

4.4 CONSIGNEE AND SECURITY OF MATERIAL:-

- 4.4.1 Security of all material in the section where the work is in progress shall be the contractor's responsibility and he shall arrange to guard the same from theft/pilferage/vandalism. In the event of any loss the contractor shall be responsible for the same. Any stores lost, prior to formally taking over by the Purchaser, shall be made good by the contractor at no cost to the Purchaser.

Section – V

5 SCOPE OF WORK:-

5.1 The High Court of Madhya Pradesh is desirous to setup state of the art latest Audio Video complete integrated System for Madhya Pradesh State Judicial Academy . The scope of work also covers to display the live programme of Academy as per the need and requirement of the academy.

5.2 SUPPLY:-

5.2.1 Supply of all equipments with all accessories, media, software and documentation.

5.3 INSTALLATION & WIRING:-

5.3.1 Installation & wiring of all equipments/items, active and passive components and accessories.

5.4 INSTALLATION PRACTICE AND METHOD OF WORK:-

5.4.1 The work shall be executed to the highest standards using **best quality material**. The system design shall use state-of-the art techniques/tools. The contractor shall ensure that the entire specification is complied with the tender document. It shall be the responsibility of the contractor to demonstrate compliance of technical as well as functional specifications. Meeting individual requirements shall not be deemed as meeting the overall efficient functioning of the total system.

5.4.2 The completed installation shall be subject to checks at all stages and tests as prescribed in the bid or as deemed necessary by the Registrar General. The same shall be done by the Purchaser and the contractor shall be liable to rectify such defects as brought out by the Purchaser during these checks and tests and make good all deficiencies at his own cost.

5.5 COMPREHENSIVE WARRANTY:-

5.5.1 The contractor will be required to maintain the installed Audio video system systems for the period of Five years after the successful installation of the system.

5.6 WARRANTY TERMS AND CONDITIONS:-

5.6.1 The Contractor shall be solely responsible for the maintenance, repair of the whole system supplied and integrated. The Registrar General, High Court of Madhya Pradesh shall not be liable to interact with any of the partners/ collaborators of the Contractor.

5.6.2 The Contractor shall have adequate Technical Support Center to meet the criteria for fault restoration/faulty unit repair times as mentioned in the Section-V. The Contractor shall furnish the names, locations, complete postal address, Telephone numbers and FAX numbers of all Technical support Centers at the time of signing the Contract.

5.6.3 The Contractor shall also provide the name of alternate contact person or Technical Support Center with address & telephone /FAX no., which may be contacted by Registrar General, High Court of Madhya Pradesh or its authorized staff for support in case of no response/poor response from the designated Technical support center. This, however, shall not preclude from imposing the penalties, if any, as applicable as per the terms & conditions of this tender.

5.6.4 Any change in Address, Phone number, Fax Number etc. shall have to be intimated in writing by the Contractor to the Registrar General, High Court of Madhya Pradesh, Jabalpur.

5.6.5 The Contractor shall ensure that all the Technical support centers are manned by fully competent and responsible Engineers and are capable of attending faults / supporting their engineers at the High Court of Madhya Pradesh Jabalpur.

5.7 WARRANTY SERVICE LEVEL REQUIREMENTS – SLA:-

5.7.1 Service Hours and Preventive Maintenance:-

The Service window for the **AV system** and accessories would be 24x7x365.

The preventive maintenance of all AV system and other related items should be carried out on every six month and to submit the report to the “Registrar General, High Court of Madhya Pradesh, Jabalpur”.

5.7.2 Scheduled Downtime:-

- (a) Scheduled downtime is defined as the period of time when the AV system is not functioning on account of Holidays.
- (b) It will be expressed in Hours.
- (c) The maximum scheduled downtime for any audio video unit would be 4 days every calendar month.
- (d) The preventive maintenance would be carried out with a minimum advance notice of 24 hours in writing and subsequent acceptance of the same by Registrar General, High Court of Madhya Pradesh.

5.7.3 Mean Time To Resolve (MTTR):-

- (a) MTTR is defined as the arithmetic average of the time taken to attend to resolve the issues logged over a defined period of time.
- (b) The Severity Levels for measuring MTTR are provided in the following table:

S. No.	Severity Level
1	High
2	Low

5.7.4 The various Service Level Requirements and related penalties for default are given below:

Parameter	Details	Measurement Criteria	Penalties per day of delay / per fault / per occasion
Mean time to resolve (MTTR)	(i) Within 24 Hours from the call logging time – for all High Severity events (ii) Within 48 hours from the time of attending the problem for all Low severity events	Calculation of fault duration per instance based on complaint reported /logged	(i) For High Severity events, Rs. 2,000/- . (ii) For Low Severity events, Rs. 1,000/-.

5.7.4.1 The Successful Bidder needs to maintain the Service Levels as follows:

- (a) 99% of the times for the MTTR of High Severity Events
- (b) 95% of the times for the MTTR of Low Severity Events

5.7.4.2 The penalty will be applicable on per fault basis even if there is a commonality of fault at any point causing full or part failure of services. Penalty will be deducted from the performance guarantee submitted against due execution of the Contract or from the bill amount that is due for payment to the contractor.

5.7.4.3 After the expiry of Warranty, it shall be optional for Registrar General, High Court of Madhya Pradesh not to enter the contract further with the contractor. If Registrar General, High Court of Madhya Pradesh is not satisfied with the performance of the Contractor during Warranty it reserves the right to terminate the same during its currency, after giving notice to the Contractor.

5.7.4.4 The Contractor has to maintain adequate spares for maintaining the SLA (Service Level Agreement) parameters as mentioned below. Any cost involved to meet

the service level requirements specified above is to be borne by the Bidder.

- 5.7.4.5 In case the Service Level Requirements are violated continuously for a period of one month, the Purchaser reserves the right to terminate the Contract by giving a written notice to the Successful Bidder.

Section – VI

6 TECHNICAL SPECIFICATIONS:-

All the products/equipment supplied should be quoted with:

- (i) Five -years comprehensive Onsite Warranty
- (ii) All the necessary and required cables and accessories.

BILL OF MATERIAL

(A) AV System for Auditorium :-

Sl. No	Description	Make	Unit	Qty
Audio				
1	SITC of Flyable Biamped 12", high power, high sensitivity, 2-way loudspeaker with rotatable horn. The speaker cabinet must have frequency range of 57Hz-18 kHz(-3dB), sensitivity (1W/1m) 97 dB SPL or more, delivering Max SPL of 131 dB or more with power handling pk 2000W or more. The speaker should have a nominal impedance of 8 ohm .The speaker cabinet should have a horizontal coverage angle of 90 degree or better.	Electro-Voice, D&B Audio Technik, Martin Audio, Meyer Sound or equivalent brand of repute	No.	02
2	SITC of Flyable Dual 15", high power subwoofer. The speaker cabinet must have frequency range of 40Hz- 2.6 KHz(-3dB), sensitivity (1W/1m)101 dB SPL or more, delivering Max SPL of 137 dB or more with power handling pk 4000W or more. The speaker should have a nominal impedance of 4 ohm or better.	Electro-Voice, D&B Audio Technik, Martin Audio, Meyer Sound or equivalent brand of repute	No.	02
3	SITC of OEM Manufactured Vertical Arraying Coupling Bracket for FOH Speakers & Subwoofers	Electro-Voice, D&B Audio Technik, Martin Audio, Meyer Sound or equivalent brand of repute	No.	02
4	SITC of Class H Dual channel power amplifier with specification as below or BETTER to suit the power requirement of proposed FOH speakers; Max Midband Output Power:1150W @ 4 ohms,1750W @ 2 ohms,Max Bridged Output Power:3600W @ 4 ohms, Frequency Response:20Hz - 20 KHz,THD:<0.03%,Max input level:+21dBu,Crosstalk<80dB, input impedance:20kohm,signal to noise ratio : >110dB ,with built in protection such as Audio Limiters, Temperature, DC, HF Short Circuit, Peak Current protections	Lab Gruppen; EV; Camco, Powersoft or equivalent brand of repute	No.	02

5	SITC of 12" two way powered stage monitor Loudspeaker: 55Hz - 20kHz (-10dB), SPL Nominal - Max SPL 131dB SPL Wideband. Coverage (H X V) 90 X 50 degree. The loudspeaker should have inbuilt amplifier of class D delivering a power of 1000W or more. It should have integrated monitor angle on the enclosure for use floor monitor	Electro-Voice, D&B Audio Technik, Martin Audio, Meyer Sound or equivalent brand of repute	No.	02
6	SITC of FIR Drive Digital Signal Processor with 2 analog inputs, 2 digital AES/EBU inputs and 6 analog outputs, with Nominal Input Voltage:1.55V / +6 dBu, maximum input voltage: 17.3 V / +27 dBu, input impedance :10k Ohm, CMR:-85dB @ 1kHz, A/D &D/A conversion :24 bit sigma delta,< 0.002% (band limited 22 Hz to 22 kHz), Dynamic Range 116 dB (A-weighted)	Electro-Voice, D&B Audio Technik, Martin Audio, Meyer Sound or equivalent brand of repute	No.	01
7	SITC of 22 channel Mixer with Digital Audio interface with 4 input channel & 4 output channels with AD/DA conversion 24-bit and; USB 2.0 PC Interface, MIDI interface, OLED display;100 Digital effects presets with at least 20 user preset available. 18 mono & 4 stereo channels, 6 auxiliary outputs,11 band stereo equalizer; THD(at 1kHz)<0.005%,frequency response(-3dB) :20Hz to 65kHz;crosstalk>85dB,CMRR(at 1kHz)>80dB,Equivalent input noise:-130dBu A, maximum level mic inputs:+21dBu	MIDAS, Dynacord, PreSonus, Neve or equivalent brand of repute	No.	01
8	SITC of Freestanding Gooseneck Mic with base for podium having back electrets condenser microphone element ,Hyper Cardioid polar pattern, LED status display and with programmable button for Push to Talk or Push to Mute functions having ,frequency response 50Hz-20kHz ,sensitivity 5.5mV/Pa, clipping level >130dB SPL ,output impedance 200 ohm	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	05
9	SITC of Corded Vocal Microphone with Dynamic Neodymium Magnet microphone element, with frequency response 80Hz-16kHz,Super-Cardioid polar pattern, sensitivity of 2.2mV/Pa and output impedance 600 ohm	EV, Sennheiser, Shure or equivalent brand of repute	No.	02
10	SITC of Corded Instrument Microphone with Self Biased condenser microphone element ,with frequency response of 55Hz-16kHz ,Cardioids polar pattern, sensitivity of 5.5mV/Pa ,rated impedance of 200 ohm ,maximum spl :130dB SPL and dynamic range ;107dB	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	04

11	SITC of Handheld Wireless Mic with Cardioid polar pattern, Dynamic microphone ,frequency response 80Hz-18kHz,RF sensitivity < 1.0 Uv,Image rejection>55dB,Dyanmic range >95dB and receiver having 30 or more channels possible/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	2
12	SITC of Wireless Mic Lapel with condensor, frequency response 100Hz-15kHz,Cardioid polar pattern,,RF sensitivity < 1.0 Uv,Image rejection>55dB,Dyanmic range >95dB and receiver having 32 channels possible/N ratio >100dB A, dynamic range >95db B,distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	1
13	Supply Installation, Testing & Commissioning of UHF antenna/power distribution system for providing power and RF signals for 4 units.	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	1
14	Supply Installation, Testing & Commissioning of Ground independent remote mountable half-wave omni-directional antenna.	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	2
15	Supply Installation, Testing & Commissioning of 100 feet, 50 ohm low loss semi-flexible coaxial cable	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	2
16	Glass Podium	Custom	No.	1
17	Shielded Microphone cable	RR Kabel, Plutron,LAPP or equivalent brand of repute	Meter	600
18	Speaker wiring with 2x4.0 sqmm cu flexible wire for stage area	RR Kabel, Finolex,LAPP or equivalent brand of repute	Meter	600
19	Speaker wiring with 2x6 sqmm cu flexible wire for stage area	RR Kabel, Finolex, LAPP or equivalent brand of repute	Meter	400
20	Connectors and Accessories for audio system	Custom	Lot	1
21	Installation, Testing and Commissioning charges with documentation for Audio system		Lot	1
22	Supply & Installation of the Pop up box at the Floor level and the Podium Level	Custom	Lot	2
23	Supply and Installation of the Racks and the Mounting kits for the Amplifiers and complete console along with painting & polishing.	Custom	Lot	1
24	Contingency fund for the complete repairing and finishing of the work after the installation along with the required civik work at the site with fall ceiling damages.	Custom	Lot	1
25	SITC of the LED Down lighters for the stage lighting to maintain Lux level at the stage.	Phillips/Wipro or equivalent brand of repute	No.	4
VIDEO				

26	6500 Lumens WXGA resolution, 5000:1, 3LCD projector with 2500 hours Lamp life, HD BaseT and HDMI connectivity. Compatible with Epson EB-G5 series lenses, Wide lens shift, manual vertical keystone correction, HDBaseT, Cinch audio in, RS-232C, Stereo mini jack audio in (4x), Stereo mini jack audio out, S-Video in, BNC in, Composite in, Display Port, HDMI in, VGA out, VGA in, Wireless Network, 10 Base-T, Wired Network	EPSON/JVC/Panasonic or equivalent brand of repute	No	1
27	12'x16' High gain matt white Motorized projector screen	Suvira/Liberty/Da-lite or equivalent brand of repute	No	1
28	Supply, installation, testing and commissioning of VGA cable for Projector in existing PVC conduits.	Kramer/Extron/Belden or equivalent brand of repute	No	100
29	Supply, installation, testing and commissioning VGA Cable connector of approved make.	Kramer/Extron/Belden or equivalent brand of repute	No	2
30	Supply , installation, testing and commissioning Digital Shielded twisted pair (STP) Data Cable, 4 shielded twisted pairs CAT6 of 23 AWG solid copper conductors are cabled together in an unshielded outer jacket use with digital transmitter–receiver sets, Terminate with shielded RJ–45 connectors etc.	Kramer / Extron / Belden or equivalent brand of repute	Mtrs	200
31	HDMI over HDbaseT Transmitter, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID	Creston/ AMX/ Kramer or equivalent brand of repute	No.	3
32	HDMI over HDbaseT Receiver, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID	Creston/ AMX/ Kramer or equivalent brand of repute	No.	3
33	Digital Matrix Switcher-cum-Scaler for It shall be multi-format 6x1 presentation switcher, scaler, Inputs: 4 X HDMI IN, 2 VGA IN with Audio Inputs., Outputs: 1 HDMI Out, Handles any input resolution from standard NTSC 480i or PAL 576i, to FHD. Input auto-detection configures each input automatically. Performs automatic AV signal format management via EDID. Provides adjustable input level compensation on each audio input. Includes a single microphone input with EQ, gating, and compression. It shall Provides a balanced stereo audio output with graphic EQ, limiting, and delay. Enables HDMI audio signal extraction and embedding.	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	1
34	HDMI cable with Ethernet 65 feet Long etc.	Kramer / Extron / Belden or equivalent brand of repute	No.	3
35	Installation, Testing and Commissioning charges with documentation for Video system.	Custom	Lot	1

36	Complete Backdrop designing and printing on the 3M or Flex sheet of the stage with complete area customized with the photographs and the academy credential pictures printing, Designing & Fixing of the same. Also, Include the Stage Jury Table designing, Fabrication & Fixing of the same along with all the required civil and furniture work to be carried at the site. <u>Remote operated curtains / blinds as per site requirement .</u>	Custom	Lot	1
37	Supply installation testing and commissioning of Camera for Live view streaming Generic PTZ camera with 30x zoom, autofocus and HDTV 720p resolution at 50/fps for live streaming of video and audio. "Video conference" design, smooth pan and tilt, WDR, EIS. HDMI, 3G-SDI, XLR-3 for studio connectivity. CD-audio quality in stereo. Compliance with SMPTE 296M Power supply and wall mount bracket are included.	Axis / Pelco or equivalent brand of repute	No.	1

(B) AV System for Conference Room:-

Sl. No.	Item	Description	Make	Unit	Qty
DISPLAY DEVICES					
1	Projector with required accessories	RGB liquid crystal shutter projection system (3LCD);Size 0.59" with MLA (D8); WXGA; No Optical Zoom / Focus (Manual) ; F-Number 1.80; Focal Length 3.71 mm; Zoom Ratio 1.0 - 1.35 (Digital Zoom); Throw Ratio 0.27 - 0.37 (Wide - Tele) ; Lamp Life*1 (Normal/Eco) 4,000 hours / 6,000 hour; projected distance 60" - 100" [34.8 - 59.7 cm]; 74.3" screen 43.8cm standard screen size. Sound Output 16W Monaural; D-Sub 15 pin 2 (Blue molding, Black molding) Computer 2: In common with Monitor out; Composite RCA x 1 (Yellow); HDMI 2 (HDMI 1 with MHL support); 1 (for USB Memory, USB Document Camera, Firmware Update, Copy OSD Settings); 1 (for USB Display, Mouse, K/B, Control, Firmware Update, Copy OSD Settings); RS-232C D-Sub 9pin x 1 ; Wired LAN RJ45 x 1 (100Mbps); Wireless Optional (ELPAP07); Electrostatic Filter Maintenance Cycle 5,000 hours*4; Power Supply Voltage 100 - 240 V AC ±10%, 50/60 Hz	Epson/Barco/JVC or equivalent brand of repute	No.	1
2	White Glass Screen	92" White Glass Screen fixed on the Studs on the wall back painted Glass for reflection and to act as a writing board along with white Board markers and Dusters.	Saint Gobain or equivalent brand of repute	No.	1
CONTROL DEVICES					
3	Digital Matrix Switcher-cum-Scaler	Digital Matrix Switcher-cum-Scaler for It shall be multi-format 12x1 presentation switcher, scaler, Inputs: 10 X HDMI IN, 2 VGA IN with Audio Inputs., Outputs: 2 HDMI Out, Handles any input resolution from standard NTSC 480i or PAL 576i, to FHD. Input auto-detection configures each input automatically. Performs automatic AV signal format management via EDID. Provides adjustable input level compensation on each audio input. Includes a single microphone input with EQ, gating, and compression. It shall Provides a balanced stereo audio output with graphic EQ, limiting, and delay. Enables HDMI audio signal extraction and embedding.	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	1
4	HDMI Distribution Amplifier	1:8 HDMI distribution Amplifier, It Shall Handle video resolutions up to 2K and FHD, It shall be capable of Handling 3D video and Deep Color, Device Shall be HDCP compliant	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	1
5	HDMI Transmitter	HDMI over HDbaseT Transmitter, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	7

6	HDMI Receiver	HDMI over HDBaseT Receiver, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	13
7	Cable Cubby	Pop Up Box with Transmitter, POP Up Box with inbuilt Cat 6 Transmitter, Input: HDMI, VGA, Analog Audio,2 Nos Power, LAN & Telephone Connectivity, Output: HDBaseT, Supports cable lengths up to 320 ft, Capable of Handling video resolutions up to Full HD 1080p and computer resolutions up to WUXGA, Device shall be HDCP compliant,	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	6
8	Control Processor	Controller, for AV system Control,Application to run on the 10 Inch Screen should be supplied along with other component. It should be supplied with controller with 1 GB RAM and 4 GB Storage. It should have 8 RS232, 4 IR, 4 Relay and LAN for controlling the AV equipment's. It should have 4 Nos digital I/O for future upgrades in control.	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	1
9	Wired Button Panel	Auxiliary wired button panel on each Door works as a remote control panel for master room controllers, Panel buttons are touch-sensitive and give press confirmation using their LEDs, Front Panel Buttons - 6 configurable, touch sensitive with indicator LEDs, Control Channel - Provides power and control data to the wall plate controllers over a single cable, Connector - Connects to other control panels or a central control processor etc.	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	1
10	Touch Panel with Control Software	7.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology or better, 2048x1536 resolution at 326 pixels per inch (ppi), Fingerprint-resistant oleophobic coating, Support for display of multiple languages and characters simultaneously, Network: Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz) and MIMO Bluetooth 4.0 technology along with Control Software etc. K-Touch License: 1 user interface for 15 devices.	Apple + Control Software (Crestron/ AMX/ Kramer) or equivalent brand of repute	No.	1
9	Ethernet control signal converter	4-Port Ethernet Controller	Crestron/ AMX/ Kramer or equivalent brand of repute	No.	1
11	Blu-Ray Disc Player	Blu-ray Disc Player, Full HD 1080p playback, Super Quick Start for faster start-up & loading, DTS (Digital Theatre Systems)/Dolby Digital 2ch , Wider CODEC formats playability, 1 x USB port, Easy navigation remote controller, Wi-Fi Ready, Input/output: 1 x HDMI Output, 1 x Optical / Coaxial Audio Output, 1 x USB Port & 1 x Ethernet Port etc.	Sony / Samsung / Philips or equivalent brand of repute	No.	1
12	Wireless Router	8 Port Wireless router	D-Link/Cisco/TP Link or equivalent brand of repute	No.	1
13	Speakers	flush-mounting ceiling loudspeaker with min. 6.5" driver,0.5" Twitter, Dual-cone, Maximum 30 W with Integrated multi-tap transformer ,frequency range 80 Hz to 15 kHz or better,120° or better conical coverage pattern (Pair)	Kramer/EV/Martin Audio or equivalent brand of repute	Pair (2 nos. Speakers in each pair) Total 12 nos.	6

14	Amplifier	Single Channel 200W per channel or more at 4 ohm or 100V, Frequency Response :70Hz -20 kHz or better Signal to Noise ratio : 75dB or better, Total harmonic distortion shall be < 0.1% or better, Power Requirement of 120V or 240V, 50Hz -60Hz	Lab gruppen/Kramer/EV	No.	1
Cables & Connectors					
15	Speaker Cable	16 AWG Speaker Cable, Inner Conductor: Stranded bare copper, extra fine wires, Outer Conductor: double, counter rotating, bare copper spiral shield	Crestron/ Belden/Kramer or equivalent brand of repute	Meter	200
16	Audio Cable	high-quality shielded Microphone cable designed for routing balanced mono or unbalanced stereo mic or line level audio signals, Quality Construction - Conductors and drain wire are stranded 20AWG tinned copper, Rugged and Flexible Jacket - With sequential markings every meter, Easy Stripping - Exceptionally easy to strip because the foil shield is bonded to the inside of the jacket. etc.	Kramer / Extron / Belden or equivalent brand of repute	Meter	100
17	Control System Cable	High-quality dual shielded pair style cable designed for audio / control in commercial or residential AV systems etc. complete with installation as per the site requirement.	Kramer / Extron / Belden or equivalent brand of repute	Meter	100
18	Digital Twisted Pair Cable	Digital Shielded twisted pair (STP) Data Cable, 4 shielded twisted pairs CAT6 of 23 AWG solid copper conductors are cabled together in an unshielded outer jacket use with digital transmitter-receiver sets, Terminate with shielded RJ-45 connectors etc.	Kramer / Extron / Belden or equivalent brand of repute	Meter	300
19	Connectors	Audio Video Connectors as per site requirement.	Kramer / Extron / Neutrick or equivalent brand of repute	Lot	1
20	HDMI Cable	HDMI cable with Ethernet 6 feet Long etc.	Kramer / Extron / Belden or equivalent brand of repute	No.	27
21	HDMI Cable	HDMI cable with Ethernet 50 feet Long etc.	Kramer / Extron / Belden or equivalent brand of repute	No.	2
22	VGA with Audio Cables	VGA with Audio Patch Cords, High Quality VGA with Audio Patch cords of 6 Feet Flexible, It should be high quality and Imported make	Crestron/ Belden/Kramer or equivalent brand of repute	No.	3
23	Console	Supply and Installation of the Racks and the Mounting kits for the Amplifiers and complete console along with painting & polishing.	Custom	No.	1
24	Contingency	Contingency fund for the complete repairing and finishing of the work after the installation.	Custom	No.	1
25	Live Video Streaming	Supply installation testing and commissioning of Camera for Live view streaming Generic PTZ camera with 30x zoom, autofocus and HDTV 720p resolution at 50/fps for live streaming of video and audio. "Video conference" design, smooth pan and tilt, WDR, EIS. HDMI, 3G-SDI, XLR-3 for studio connectivity. CD-audio quality in stereo. Compliance with SMPTE 296M Power supply and wall mount bracket	Axis / Pelco or equivalent brand of repute	No.	1

		are included.			
Audio Conferencing					
26	Conference Controller	Conference Control unit, Controls up to 50 Discussion units,3-Band equalizer for better sound performance, Audio interfaces for connecting external audio equipments. Discussion control For business discussions and small conferences, two to six microphones can be active simultaneously, with the chairman always having speaker priority. The active microphone selection knob on the rear panel can be used to select the number of active participants. Unused microphones are switched off automatically after 65 seconds if delegates forget to switch off their units.	Honeywell / EV / Bosch or equivalent brand of repute	No.	1
27	Chairman Microphone	Priority button for chairman microphone. Optional chime tone facility preceding chairman announcements. Modern, unobtrusive styling to match the CCSE-DL Delegate Units. Microphone with flexible stem and light ring. u Two headphone sockets. Microphone on/off button. • Chairman priority button. • Rotary volume control for adjusting headphone volume. • Loudspeaker, automatically muted when microphone is on. • Microphone 'on' indicator (red LED). • Light ring indicator on microphone stem, lights up red when microphone is on.	Honeywell / EV / Bosch or equivalent brand of repute	No.	1
28	Delegate Microphone	Compact, attractive design Built-in volume control for headphones Microphone with flexible stem and light ring, Two headphone sockets. Microphone on/off button. Rotary volume control for adjusting headphone volume. Loudspeaker, automatically muted when microphone is on. Microphone 'on' indicator (red LED). Light ring indicator on microphone stem, lights up red when microphone is on.	Honeywell / EV / Bosch or equivalent brand of repute	No.	39

(C) AV System for Seminar Hall:-

Sl. No.	Description	Make	Unit	Qty
Audio				
1	SITC of Flyable 8", high power, high sensitivity, 2-way loudspeaker. The speaker cabinet must have frequency range (-3dB) of 60 Hz-20kHz, sensitivity (1W/1m) 94 dB SPL or more, delivering Max SPL of 123 dB or more with power handling pk 800W or more. The speaker should have a nominal impedance of 8 ohm .The speaker cabinet should have a horizontal coverage angle of 90 degree or better.	Electro-Voice, D&B Audio Technik, Martin Audio, Meyer Sound or equivalent brand of repute	No.	2
2	SITC of Powered Mixer with 5 MIC/LINE input channels with compressor/limiter and talk-over function, 3 Stereo Inputs including Jack, RCA and USB connectors, onboard player for MP3 or WAV audio files, high quality effects section with 32 editable presets, 3 Master outputs with 7-band EQ each and flexible signal routing options, delay line for Master-B (150 msec/50 m), headphones control, LPN speaker processing, class-D 2 x 450 W RMS / 2 x 600 W / 4 Ω program power, micro-controlled power supply (100– 240 V), Direct Drive option for 100 V speaker lines, comprehensive protection package, live and install connectivity or better.	MIDAS, Dynacord, AMS Neve or equivalent brand of repute	No.	1
3	SITC of Handheld Wireless Mic with Cardioid polar pattern, Dynamic microphone ,frequency response 80Hz-18kHz,RF sensitivity < 1.0 Uv, Image rejection>55dB,Dyanmic range >95dB and receiver having 30 or more channels possible/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	2
4	SITC of Wireless Lapel Mic with condenser, frequency response 100Hz-15kHz,Cardiod polar pattern,, RF sensitivity < 1.0 Uv, Image rejection>55dB,Dyanmic range >95dB and receiver having 32 channels possible, S/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	1
5	SITC of Freestanding Gooseneck Mic with base for podium having back electrets condenser microphone element ,Hyper Cardioid polar pattern, LED status display and with programmable button for Push to Talk or Push to Mute functions having ,frequency response 50Hz-20kHz ,sensitivity 5.5mV/Pa, clipping level >130dB SPL ,output impendence 200 ohm	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	2
6	SITC of UHF antenna/power distribution system for providing power and RF signals for 4 units.	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	1
7	SITC of Ground independent remote mountable half-wave omni-directional antenna.	Electro voice, Beyer Dynamic, Audio Technical or equivalent brand of repute	No.	2
8	Shielded Microphone cable	RR Kabel, Plutron, LAPP or equivalent	Mtrs	200

		brand of repute		
9	Speaker wiring with 2x2.5 sqmm cu flexible wire for stage area	RR Kabel,Finolex,LAPP or equivalent brand of repute	Mtrs	100
10	Connectors and Accessories for audio system	Custom		1
11	Installation, Testing and Commissioning charges with documentation for Audio system	Custom		1

(D)Audio System for Dining Hall:-

S.No.	Description	Make	Unit	Qty
1	Audio System with Bluetooth enabled	Boss / Philips / Sony / or equivalent brand of reputed	No.	01
2	Speaker of 1000 watts	---do---	No.	02

(E) Public address system along with DVD and USB plug for Yoga Hall:-

S.No.	Description	Make	Unit	Qty
1	Public address System	Reputed make	No.	01
2	DVD Cum USB Player	Sony, Philips or equivalent brand of reputed	No.	01

SECTION- VIII
Detail Break up of Cost*:

PART - I:

Name of the Bidder:

Specify Make:

Model:

(A) AV system for Auditorium .

S No	Item Description	Unit Price (Rs.)	Excise/other Duty (Rs.) as applicable	Sales / Service Tax (Rs.) as applicable	Total Unit Price (All inclusive) with Five years on-site warranty for Items (Rs.)	No. of Items	Total Cost
	1	2	3	4	5	6	7 = (5 X 6)
1	SITC of Flyable Biamped 12", high power, high sensitivity, 2-way loudspeaker with rotatable horn. The speaker cabinet must have frequency range of 57Hz-18 kHz(-3dB), sensitivity (1W/1m) 97 dB SPL or more, delivering Max SPL of 131 dB or more with power handling pk 2000W or more. The speaker should have a nominal impedance of 8 ohm .The speaker cabinet should have a horizontal coverage angle of 90 degree or better.					02	
2	SITC of Flyable Dual 15", high power subwoofer. The speaker cabinet must have frequency range of 40Hz-2.6 KHz(-3dB), sensitivity (1W/1m)101 dB SPL or more, delivering Max SPL of 137 dB or more with power handling pk 4000W or more. The speaker should have a					02	

	nominal impedance of 4 ohm or better.						
3	SITC of OEM Manufactured Vertical Arraying Coupling Bracket for FOH Speakers & Subwoofers					02	
4	SITC of Class H Dual channel power amplifier with specification as below or BETTER to suit the power requirement of proposed FOH speakers; Max Midband Output Power:1150W @ 4 ohms,1750W @ 2 ohms,Max Bridged Output Power:3600W @ 4 ohms, Frequency Response:20Hz - 20 KHz,THD:<0.03% ,Max input level:+21dBu,Crossstalk<80dB,input impedance:20kohm,signal to noise ratio : >110dB ,with built in protection such as Audio Limiters, Temperature, DC, HF Short Circuit, Peak Current protections					02	
5	SITC of 12" two way powered stage monitor Loudspeaker: 55Hz - 20kHz (-10dB), SPL Nominal - Max SPL 131dB SPL Wideband. Coverage (H X V) 90 X 50 degree. The loudspeaker should have inbuilt amplifier of class D delivering a power of 1000W or more. It should have integrated monitor angle on the enclosure for use floor monitor					02	
6	SITC of FIR Drive Digital Signal Processor with 2 analog					01	

	inputs, 2 digital AES/EBU inputs and 6 analog outputs, with Nominal Input Voltage:1.55V / +6 dBu, maximum input voltage: 17.3 V / +27 dBu, input impedance :10k Ohm, CMR:-85dB @ 1kHz, A/D &D/A conversion :24 bit sigma delta,< 0.002% (band limited 22 Hz to 22 kHz), Dynamic Range 116 dB (A-weighted)						
7	SITC of 22 channel Mixer with Digital Audio interface with 4 input channel & 4 output channels with AD/DA conversion 24-bit and; USB 2.0 PC Interface, MIDI interface, OLED display;100 Digital effects presets with at least 20 user preset available. 18 mono & 4 stereo channels, 6 auxiliary outputs,11 band stereo equalizer; THD(at 1kHz)<0.005%,frequency response(-3dB) :20Hz to 65kHz;crosstalk> 85dB,CMRR(at 1kHz)>80dB,Equivalent input noise:-130dBu A, maximum level mic inputs:+21dBu					01	
8	SITC of Freestanding Gooseneck Mic with base for podium having back electrets condenser microphone element ,Hyper Cardioid polar pattern, LED status display and with programmable button for Push to Talk or Push to Mute functions having ,frequency response 50Hz-					05	

	20kHz ,sensitivity 5.5mV/Pa, clipping level >130dB SPL ,output impedance 200 ohm						
9	SITC of Corded Vocal Microphone with Dynamic Neodymium Magnet microphone element, with frequency response 80Hz-16kHz,Super-Cardioid polar pattern, sensitivity of 2.2mV/Pa and output impedance 600 ohm					02	
10	SITC of Corded Instrument Microphone with Self Biased condenser microphone element ,with frequency response of 55Hz-16kHz ,Cardioids polar pattern, sensitivity of 5.5mV/Pa ,rated impedance of 200 ohm ,maximum spl :130dB SPL and dynamic range ;107dB	Amount to be quoted per sq. feet				04	
11	SITC of Handheld Wireless Mic with Cardioid polar pattern, Dynamic microphone ,frequency response 80Hz-18kHz,RF sensitivity < 1.0 Uv,Image rejection>55dB,Dyanmic range >95dB and receiver having 30 or more channels possible/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body					02	

12	SITC of Wireless Mic Lapel with condenser, frequency response 100Hz-15kHz, Cardioid polar pattern,, RF sensitivity < 1.0 Uv, Image rejection>55dB, Dynamic range >95dB and receiver having 32 channels possible/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body					01	
13	Supply Installation, Testing & Commissioning of UHF antenna/power distribution system for providing power and RF signals for 4 units.					01	
14	Supply Installation, Testing & Commissioning of Ground independent remote mountable half-wave omnidirectional antenna.					02	
15	Supply Installation, Testing & Commissioning of 100 feet, 50 ohm low loss semi-flexible coaxial cable					02	
16	Glass Podium					01	
17	Shielded Microphone cable					600	
18	Speaker wiring with 2x4.0 sq mm cu flexible wire for stage area					600	
19	Speaker wiring with 2x6 sq mm cu flexible wire for stage area					400	

20	Connectors and Accessories for audio system					01	
21	Installation, Testing and Commissioning charges with documentation for Audio system					01	
22	Supply & Installation of the Pop up box at the Floor level and the Podium Level					02	
23	Supply and Installation of the Racks and the Mounting kits for the Amplifiers and complete console along with painting & polishing.					01	
24	Contingency fund for the complete repairing and finishing of the work after the installation along with the required civil work at the site with fall ceiling damages.					01	
25	SITC of the LED Down lighters for the stage lighting to maintain Lux level at the stage.					04	
26 vid eo	6500 Lumens WXGA resolution, 5000:1, 3LCD projector with 2500 hours Lamp life, HD BaseT and HDMI connectivity. Compatible with Epson EB-G5 series lenses, Wide lens shift, manual vertical keystone correction, HDBaseT, Cinch audio in, RS-232C, Stereo mini jack audio in (4x), Stereo mini jack audio out, S-Video in, BNC in, Composite in, Display Port, HDMI in, VGA out, VGA in, Wireless Network, 10 Base-T, Wired Network					01	
27	12'x16' High gain matt white Motorized projector screen					01	

28	Supply , installation, testing and commissioning of VGA cable for Projector in existing PVC conduits.					100	
29	Supply, installation, testing and commissioning VGA Cable connector of approved make .					02	
30	Supply , installation, testing and commissioning Digital Shielded twisted pair (STP) Data Cable, 4 shielded twisted pairs CAT6 of 23 AWG solid copper conductors are cabled together in an unshielded outer jacket use with digital transmitter–receiver sets, Terminate with shielded RJ–45 connectors etc.					200	
31	HDMI over HDbaseT Transmitter, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID					03	
32	HDMI over HDbaseT Receiver, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID					03	
33	Digital Matrix Switcher-cum-Scaler for It shall be multi-format 6x1 presentation switcher, scaler, Inputs: 4 X HDMI IN, 2 VGA IN with					01	

	<p>Audio Inputs., Outputs: 1 HDMI Out, Handles any input resolution from standard NTSC 480i or PAL 576i, to FHD. Input auto-detection configures each input automatically. Performs automatic AV signal format management via EDID. Provides adjustable input level compensation on each audio input. Includes a single microphone input with EQ, gating, and compression. It shall Provides a balanced stereo audio output with graphic EQ, limiting, and delay. Enables HDMI audio signal extraction and embedding.</p>						
34	HDMI cable with Ethernet 65 feet Long etc.					03	
35	Installation, Testing and Commissioning charges with documentation for Video system.					01	
36	<p>Complete Backdrop designing and printing on the 3M or Flex sheet of the stage with complete area customized with the photographs and the academy credential pictures printing, Designing & Fixing of the same. Also Include the Stage Jury Table designing, Fabrication & Fixing of the same along with all the required civil and furniture work to be carried at the site,</p> <p><u>Remote operated curtains / blinds as per site requirement .</u></p>					01	

37	Supply installation testing and commissioning of Camera for Live view streaming Generic PTZ camera with 30x zoom, autofocus and HDTV 720p resolution at 50/fps for live streaming of video and audio. "Video conference" design, smooth pan and tilt, WDR, EIS. HDMI, 3G-SDI, XLR-3 for studio connectivity. CD-audio quality in stereo. Compliance with SMPTE 296M Power supply and wall mount bracket are included.					01	
TOTAL VALUE in Rs.							

Total value (A): _____

Section (B) – AV SYSTEM FOR CONFERENCE ROOM

S No	Item Description	Unit Price (Rs.)	Excise/other Duty (Rs.) as applicable	Sales / Service Tax (Rs.) as applicable	Total Unit Price (All inclusive) with Five years on-site warranty for Items (Rs.)	No. of Items	Total Cost
	1	2	3	4	5	6	7 = (5 X 6)
1	RGB liquid crystal shutter projection system (3LCD);Size 0.59" with MLA (D8); WXGA; No Optical Zoom / Focus (Manual) ; F-Number 1.80; Focal Length 3.71 mm; Zoom Ratio 1.0 - 1.35 (Digital Zoom); Throw Ratio 0.27 - 0.37 (Wide - Tele) ; Lamp Life*1 (Normal/Eco) 4,000 hours / 6,000 hour; projected distance 60" - 100" [34.8 - 59.7 cm]; 74.3" screen					01	

	<p>43.8cm standard screen size. Sound Output 16W Monaural; D-Sub 15 pin 2 (Blue molding, Black molding) Computer 2: In common with Monitor out; Composite RCA x 1 (Yellow); HDMI 2 (HDMI 1 with MHL support); 1 (for USB Memory, USB Document Camera, Firmware Update, Copy OSD Settings); 1 (for USB Display, Mouse, K/B, Control, Firmware Update, Copy OSD Settings); RS-232C D-Sub 9pin x 1 ; Wired LAN RJ45 x 1 (100Mbps); Wireless Optional (ELPAP07); Electrostatic Filter Maintenance Cycle 5,000 hours*4; Power Supply Voltage 100 - 240 V AC ±10%, 50/60 Hz</p>						
2	<p>92" White Glass Screen fixed on the Studds on the wall back painted Glass for reflection and to act as a writing board along with white Board markers and Dusters.</p>					01	
3	<p>Digital Matrix Switcher-cum-Scaler for It shall be multi-format 12x1 presentation switcher, scaler, Inputs: 10 X HDMI IN, 2 VGA IN with Audio Inputs., Outputs: 2 HDMI Out, Handles any input resolution from standard NTSC 480i or PAL 576i, to FHD. Input auto-detection configures each input automatically. Performs automatic AV signal format management via EDID. Provides</p>					01	

	adjustable input level compensation on each audio input. Includes a single microphone input with EQ, gating, and compression. It shall Provides a balanced stereo audio output with graphic EQ, limiting, and delay. Enables HDMI audio signal extraction and embedding.						
4	1:8 HDMI distribution Amplifier, It Shall Handle video resolutions up to 2K and FHD, It shall be capable of Handling 3D video and Deep Color, Device Shall be HDCP compliant					01	
5	HDMI over HDbaseT Transmitter, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID					07	
6	HDMI over HDbaseT Receiver, 2K Ultra HD signal extender, Supports cable lengths up to 230 ft for 2K Resolution, Control via bidirectional RS-232 and Infrared, HDCP compliant with Pass through CEC and EDID					13	
7	Pop Up Box with Transmitter, POP Up Box with inbuilt Cat 6 Transmitter, Input: HDMI, VGA, Analog Audio,2 Nos Power, LAN & Telephone Connectivity, Output: HDBaseT, Supports cable lengths up to 320					06	

	ft, Capable of Handling video resolutions up to Full HD 1080p and computer resolutions up to WUXGA, Device shall be HDCP compliant,						
8	Controller, for AV system Control, Application to run on the 10 Inch Screen should be supplied along with other component. It should be supplied with controller with 1 GB RAM and 4 GB Storage. It should have 8 RS232, 4 IR, 4 Relay and LAN for controlling the AV equipment's. It should have 4 Nos digital I/O for future upgrades in control.					01	
9	Auxiliary wired button panel on each Door works as a remote control panel for master room controllers, Panel buttons are touch-sensitive and give press confirmation using their LEDs, Front Panel Buttons - 6 configurable, touch sensitive with indicator LEDs, Control Channel - Provides power and control data to the wall plate controllers over a single cable, Connector - Connects to other control panels or a central control processor etc.					01	
10	Connectors and Accessories for audio system					01	
11	4-Port Ethernet Controller					01	
12	Blu-ray Disc Player, Full HD 1080p playback, Super Quick Start for faster start-up & loading, DTS					01	

	(Digital Theatre Systems)/Dolby Digital 2ch , Wider CODEC formats playability, 1 x USB port, Easy navigation remote controller, Wi-Fi Ready, Input/output: 1 x HDMI Output, 1 x Optical / Coaxial Audio Output, 1 x USB Port & 1 x Ethernet Port etc.						
13	8 Port Wireless router					01	
14	flush-mounting ceiling loudspeaker with min. 6.5" driver,0.5" Twitter, Dual-cone, Maximum 30 W with Integrated multi-tap transformer ,frequency range 80 Hz to 15 kHz or better,120° or better conical coverage pattern (Pair)					06	
15	Single Channel 200W per channel or more at 4 ohm or 100V,Frequency Response :70Hz - 20 kHz or better Signal to Noise ratio : 75dB or better, Total harmonic distortion shall be < 0.1% or better, Power Requirement of 120V or 240V, 50Hz -60Hz					01	
16	16 AWG Speaker Cable, Inner Conductor: Stranded bare copper, extra fine wires, Outer Conductor: double, counter rotating, bare copper spiral shield					200	
17	high-quality shielded Microphone cable designed for routing balanced mono or unbalanced stereo mic or line level audio signals, Quality					100	

	Construction - Conductors and drain wire are stranded 20AWG tinned copper, Rugged and Flexible Jacket - With sequential markings every meter, Easy Stripping - Exceptionally easy to strip because the foil shield is bonded to the inside of the jacket. etc.						
18	High-quality dual shielded pair style cable designed for audio / control in commercial or residential AV systems etc. complete with installation as per the site requirement.					100	
19	Digital Shielded twisted pair (STP) Data Cable, 4 shielded twisted pairs CAT6 of 23 AWG solid copper conductors are cabled together in an unshielded outer jacket use with digital transmitter-receiver sets, Terminate with shielded RJ-45 connectors etc.					300	
20	Audio Video Connectors as per site requirement.					01	
21	HDMI cable with Ethernet 6 feet Long etc.					27	
22	HDMI cable with Ethernet 50 feet Long etc.					02	
23	VGA with Audio Patch Cords, High Quality VGA with Audio Patch cords of 6 Feet Flexible, It should be high quality and Imported make					03	
24	Supply and Installation of the Racks and the Mounting kits for the Amplifiers and complete console along with painting &					01	

	polishing.						
25	Contingency fund for the complete repairing and finishing of the work after the installation.					01	
26	Supply installation testing and commissioning of Camera for Live view streaming Generic PTZ camera with 30x zoom, autofocus and HDTV 720p resolution at 50/fps for live streaming of video and audio. "Video conference" design, smooth pan and tilt, WDR, EIS. HDMI, 3G-SDI, XLR-3 for studio connectivity. CD-audio quality in stereo. Compliance with SMPTE 296M Power supply and wall mount bracket are included.					01	
27	Conference Control unit, Controls up to 50 Discussion units,3-Band equalizer for better sound performance, Audio interfaces for connecting external audio equipments. Discussion control For business discussions and small conferences, two to six microphones can be active simultaneously, with the chairman always having speaker priority. The active microphone selection knob on the rear panel can be used to select the number of active participants. Unused					01	

	microphones are switched off automatically after 65 seconds if delegates forget to switch off their units.						
28	<p>Priority button for chairman microphone.</p> <p>Optional chime tone facility preceding chairman announcements.</p> <p>Modern, unobtrusive styling to match the CCSE-DL Delegate Units.</p> <p>Microphone with flexible stem and light ring. u Two headphone sockets.</p> <p>Microphone on/off button.</p> <ul style="list-style-type: none"> • Chairman priority button. • Rotary volume control for adjusting headphone volume. • Loudspeaker, automatically muted when microphone is on. • Microphone 'on' indicator (red LED). • Light ring indicator on microphone stem, lights up red when microphone is on. 					01	
29	<p>Compact, attractive design</p> <p>Built-in volume control for headphones</p> <p>Microphone with flexible stem and light ring, Two headphone sockets.</p> <p>Microphone on/off button.</p> <p>Rotary volume control for adjusting headphone volume.</p> <p>Loudspeaker, automatically muted when microphone is on.</p> <p>Microphone 'on' indicator (red LED).</p> <p>Light ring</p>					39	

	indicator on microphone stem, lights up red when microphone is on.						
TOTAL VALUE in Rs.							

Total (B): _____

Section (C):- AV SYSTEM FOR SEMINAR HALL

S No	Item Description	Unit Price (Rs.)	Excise/other Duty (Rs.) as applicable	Sales / Service Tax (Rs.) as applicable	Total Unit Price (All inclusive) with Five years on-site warranty for Items (Rs.)	No. of items	Total Cost
	1	2	3	4	5	6	7 = (5 X 6)
1	SITC of Flyable 8", high power, high sensitivity, 2-way loudspeaker. The speaker cabinet must have frequency range (-3dB) of 60 Hz-20kHz, sensitivity (1W/1m) 94 dB SPL or more, delivering Max SPL of 123 dB or more with power handling pk 800W or more. The speaker should have a nominal impedance of 8 ohm .The speaker cabinet should have a horizontal coverage angle of 90 degree or better.					02	
2	SITC of Powered Mixer with 5 MIC/LINE input channels with compressor/limiter and talk-over function, 3 Stereo Inputs including Jack, RCA and USB connectors, onboard player for MP3 or WAV audio files, high quality effects section with 32 editable presets, 3 Master outputs with 7-band EQ each and flexible signal routing options, delay line for Master-B (150					01	

	msec/50 m), headphones control, LPN speaker processing, class-D 2 x 450 W RMS / 2 x 600 W / 4 Ω program power, micro-controlled power supply (100– 240 V), Direct Drive option for 100 V speaker lines, comprehensive protection package, live and install connectivity or better.						
3	SITC of Handheld Wireless Mic with Cardioid polar pattern, Dynamic microphone ,frequency response 80Hz-18kHz,RF sensitivity < 1.0 Uv, Image rejection>55dB,Dyanmic range >95dB and receiver having 30 or more channels possible/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with AA battery. The transmitter & receiver should be of metal body					02	
4	SITC of Wireless Lapel Mic with condenser, frequency response 100Hz-15kHz,Cardioid polar pattern,, RF sensitivity < 1.0 Uv, Image rejection>55dB,Dyanmic range >95dB and receiver having 32 channels possible, S/N ratio >100dB A, dynamic range >95db B, distortion <1 %,frequency band:618-634MHz,more than 12hrs battery life with					01	

	AA battery. The transmitter & receiver should be of metal body						
5	SITC of Freestanding Gooseneck Mic with base for podium having back electrets condenser microphone element ,Hyper Cardioid polar pattern, LED status display and with programmable button for Push to Talk or Push to Mute functions having ,frequency response 50Hz-20kHz ,sensitivity 5.5mV/Pa, clipping level >130dB SPL ,output impedance 200 ohm					02	
6	SITC of UHF antenna/power distribution system for providing power and RF signals for 4 units.					01	
7	SITC of Ground independent remote mountable half-wave omni-directional antenna.					02	
8	Shielded Microphone cable					200	
9	Speaker wiring with 2x2.5 sq mm cu flexible wire for stage area					100	
10	Connectors and Accessories for audio system					01	
11	Installation, Testing and Commissioning charges with documentation for Audio system					01	

Total (C): _____

Section D: Audio System for Dining Hall:-

S No	Item Description	Unit Price (Rs.)	Excise/other Duty (Rs.) as applicable	Sales / Service Tax (Rs.) as applicable	Total Unit Price (All inclusive) with Five years on-site warranty for Items (Rs.)	No. of items	Total Cost
	1	2	3	4	5	6	7 = (5 X 6)
1	Audio System with blue tooth facility					01	
2	Speaker of 1000 watts					2	

Section E: Public address system along with DVD and USB plug for Yoga Hall.

S No	Item Description	Unit Price (Rs.)	Excise/other Duty (Rs.) as applicable	Sales / Service Tax (Rs.) as applicable	Total Unit Price (All inclusive) with Five years on-site warranty for Items (Rs.)	No. of items	Total Cost
	1	2	3	4	5	6	7 = (5 X 6)
1	Public address System					01	
2	DVD cum USB Player					01	

Part – II . Installation and Commissioning

Cost of Installation, Commissioning	Amount in Rupees

Part-I:-A+B+C+D+E = _____

Part – II :- _____

TOTAL Amount / BID VALUE in Rupees :
(I +II) = _____

Total Bid Price in Rs. _____

In words _____

Signature of Bidder with seal _____

Name _____

Business address _____

Tel. No. & Mobile No. _____

Email : _____

Place :

Date:

***Note: Please refer to clause no. 2.6 and 2.7**

Note (1): The quantities mentioned above are indicative only.

The Registrar General, High Court of Madhya Pradesh, Jabalpur reserves the right to change the quantities and the configuration of items mentioned above without assigning any reason thereof.

(2) The unit rate of cables is to be mentioned properly.

(3) For quoting the Networking work / miscellaneous work the vendor/bidder should visit the actual site conditions of the Madhya Pradesh State Judicial Academy Jabalpur.

(4) Before attending the pre-bid meeting the bidders may visit Madhya Pradesh State Judicial Academy during office hours on all working days in order to understand the nature / scope of work.

Form: PQ-1

Techno-commercial Bid

Sl. No.	Description	Indicate also page number where attached
1.	Name, address & telephone number of the agency/firm.	
2.	Name, designation, address & telephone number of authorized person	
3.	Please specify as to whether Tenderer is sole Proprietor/Partnership Firm/Private or Limited Company.	
4.	Name, address & telephone number of Directors/Partners, Fax No., e-mail address.	
5.	Copy of PAN Card issued by Income Tax Department , TIN No. and Copy of previous 3 Financial Year's Income Tax Return.	
6.	Valid ISO Certificate (Please attach copy of the products)	
7.	Service Tax Registration No. (Please attach)	
8.	Latest Service Tax Return (Please attach).	
9.	Experience Certificates / details of 5 years in providing services in Central Government/State Government/Public Sector Undertakings/Autonomous Bodies / reputed private sector companies .	
10.	Details of Bid Security/Earnest Money Deposit: a) Amount: b) Demand Draft.: c) Date of issue: d) Name of issuing Bank:	

Form: PQ-1

BIDDER'S ANNUAL TURNOVER

_____ (Location)

_____ (Date)

From (Name & Address of the Statutory Auditor)

To,

The Registrar General,
High Court of Madhya Pradesh,
Jabalpur

Ref.: _____

Sir,

We hereby certify that the average annual turnover of M/s.
_____ (name of the bidder) is not less than Rs.
_____ Lakh during the last three financial years.

Sl No.	Firm	Year - 1	Year - 2	Year - 3
		Amount	Amount	Amount
1				

Yours Sincerely,
(Signature of Authorized Signatory)

Name of the Authorized Signatory:

Seal:

Form: PQ-2

SIMILAR WORK EXPERIENCE

_____ (Location)
_____ (Date)

From (Name & Address of the Bidder)

_____ To,

_____ The Registrar General,
_____ High Court of Madhya Pradesh,
_____ Jabalpur

Subject: Supply, Installation, Commissioning and Maintenance of LCD based installation of audio video system for the Madhya Pradesh State Judicial Academy, Jabalpur.

Ref.: _____

1. We hereby declare and confirm that we, _____ (Name of the Bidder), having registered office at _____ (address) have successfully executed following projects. We are providing the details below: (Note: add rows as required).

Sl. No.	Name of the client organization	Purchase Order (P.O) No. & Date of issue of P.O.	Project Value	Brief Scope of Work	Whether the copies of the purchase orders / contracts from the client as required, is attached?	
					Yes/No	<u>Pg. No. on the Proposal</u>

Yours Sincerely,

(Signature of Authorized Signatory)

Name and Designation of the Authorized Signatory:

Name and address of the Bidder Company:

Seal:

Annexure - 1

Clause by Clause compliance statement on the technical specification as prescribed in the section VI of this document.

Sl. No.	Clause no.	Complied / Not complied

Annexure - 2

DEVIATION STATEMENT FORMAT

The Bidder is required to provide the details of the deviations of the tender clauses **(in any section of the tender)** in the following format.

Sl. No.	Section No.	Clause No	Clause Descript	Non Compliance/ Partial Compliance	Remarks

PART – I

BID FORM (1 sheet)

Tender No. :

Date :

To,

**The Registrar General
High Court of M.P.,
Jabalpur (M.P.)**

Respected Sir,

1. Having examined the conditions of contract and specifications in the tender document and annexure, the receipt of which is hereby duly acknowledged, we, undersigned, offer to supply and installation of audio video system along with all accessories for the sum shown in the schedule of prices attached herewith and made part of this Bid.
2. We undertake, if our Bid is accepted, to complete delivery of all the items specified in the contract within the delivery schedule specified in the tender.
3. If our Bid is accepted, we will obtain the unconditional performance guarantee of a Nationalized/Scheduled Bank for a sum 10% of the purchase / contract value.
4. We agree to abide by this Bid for a period of 150 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Until a formal Purchase Order of Contract is prepared and a contract is executed accordingly, this Bid together with your written acceptance thereof in your notification of award shall constitute a contract binding on us, subject to terms and conditions mentioned in the tender document.

6. Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.
7. We understand that you are not bound to accept the lowest or any bid, you may receive and you may reject any bid without assigning reason therefore and you may vary, amend or alter any terms and conditions of the Tender Document at the time of execution of the Contract.

Dated this day of 2016

Name and Signature

In the capacity of

**Duly authorised to sign the bid
for and on behalf of**

Witness

Address

Signature

CERTIFICATES

WE CERTIFY THAT:

1. We will not LEAK / DISCLOSE any information of Madhya Pradesh State Judicial Academy, Jabalpur to any other institutions/organizations, bodies and also in the market on the rates less than the prices quoted by us to the High Court.
2. The rate of TAXES / DUTIES mentioned in the tender is in accordance with the provisions of the rules in all respects and the same is payable to the Authorities.
3. The material / items offered shall be of the **best quality** strictly in accordance with the specifications and particulars as detailed in the tender.
4. The information furnished by us in the tender are true and correct to the best of our knowledge and belief.
5. We have read and understood the rules, regulations, terms and conditions of tender as applicable from time to time and agree to abide by them.
6. We will meet 100% Confidentiality and Integrity of the High Court Database and software.

Authorized Signatory

(Seal of the Company)