

# **HIGH COURT OF MADHYA PRADESH, JABALPUR**

**Ref No. Reg(IT)(SA)/2018/1203**

**Dated:20-Aug-2018**



## **Bid Document for**

**Supply, Installation, Commissioning and Maintenance of  
Audio Video solution/ system at High Court of Madhya  
Pradesh Bench at Indore, Gwalior & Madhya Pradesh State  
Judicial Academy, Jabalpur.**

**Note: This document contains total 85 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)/2018/1203**

**Dated:20-Aug-2018**

The Registrar General, on behalf of High Court of Madhya Pradesh Bench at Indore, Gwalior & Madhya Pradesh State Judicial Academy, 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/ system for High Court of Madhya Pradesh Bench at Indore, Gwalior & Madhya Pradesh State Judicial Academy, Jabalpur”**

Sl. No.	Estimated cost (Rs. in Crore)	EMD (In Rs. in Lakh )	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.	1.20 crore	6.50 Lakh	10,000/-	24 <sup>th</sup> September, 2018 before 3:00 PM	24 <sup>th</sup> September, 2018 at 3:30 PM	30 days

1. Tender documents may be viewed or purchased online by interested and eligible bidders from the website [www.mpeproc.gov.in](http://www.mpeproc.gov.in) after paying Tender fee of Rs.10,000/- and Processing Fee, as applicable . The tender document is also available in website [www.mphc.gov.in](http://www.mphc.gov.in) for reference.
2. Bidders can submit its tender online at [www.mpeproc.gov.in](http://www.mpeproc.gov.in) on or before the key dates given above. The Physical copy of the Technical Bid along with original EMD should also be submitted at the address below latest by **24<sup>th</sup> September, 2018 at 3:00 P.M.**
3. All further notifications/amendments, if any shall be posted on [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and [www.mphc.gov.in](http://www.mphc.gov.in) only. No separate communication shall be made with individual Bidders.
4. **The financial bids are to be submitted online and no hard copy to be submitted along with the bid**

All other terms and conditions for submission of tender are contained in this document. If the date of submitting/opening of the Bid is declared as holiday then the bids shall be submitted / opened on 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 (M.P.) , Email: [mphc@nic.in](mailto:mphc@nic.in) , Landline: 0761-2623358**

## **Terms and Conditions for e-Tendering:-**

1. For participation in e-tendering module, it is mandatory for prospective bidders to get registration on website **www.mpeproc.gov.in**. Therefore, it is advised to all prospective bidders to get registration by making on line registration fees payment at the earliest.
2. Tender documents can be purchased *only online* on payment of tender fees and downloaded from website **www.mpeproc.gov.in** by making online payment for the tender document fee.
3. Service and gateway charges shall be borne by the bidders.
4. Since the bidders are required to sign their bids online using class – III Digital Signature Certificate, they are advised to obtain the same at the earliest.
5. For further information regarding issue of Digital Signature Certificate, the bidders are requested to visit website [www.mpeproc.gov.in](http://www.mpeproc.gov.in) . Please note that it may take upto 7 to 10 working days for issue of Digital Signature Certificate. Department will not be responsible for delay in issue of Digital Signature Certificate.
6. If bidder is going first time for e-tendering, then it is obligatory on the part of bidder to fulfill all formalities such as registration, obtaining Digital Signature Certificate etc. well in advance.
7. Bidders are requested to visit our e-tendering website regularly for any clarification and / or due date extension.
8. Bidder must positively complete online e-tendering procedure at **www.mpeproc.gov.in**
9. Department shall not be responsible in any way for delay /difficulties /inaccessibility of the downloading facility from the website for any reason whatever.
10. For any type of clarification bidders can / visit [www.mpeproc.gov.in](http://www.mpeproc.gov.in) and help desk contract no. 18002588684 Mail id: [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in) Support timings: Monday to Saturday from **10:00 AM to 7:00 PM**.
11. Interested bidders may attend the free training programme in Bhopal at their own cost. For further query please contact help desk.
12. The bidder who so ever is submitting the tender by his Digital Signature Certificate shall invariably upload the scanned copy of the authority letter as well as submit the copy of same in physical form with the offer of particular tender.
13. **The firms registered under NSIC are exempted for submission of tender fees and EMD. But they have to enclose valid documents in this regard.**

## 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 Bench at Indore, Gwalior & Madhya Pradesh State Judicial Academy, 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.6,50,000/- (Rupees Six Lakh Fifty Thousand 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. GST, 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.6,50,000/- (Rs. Six Lakh Fifty Thousand only)**. The envelope should be super scribed 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 High Court of Madhya Pradesh Bench at Indore, Gwalior & Madhya Pradesh State Judicial Academy, Jabalpur** from: M/s -----  
-----” **“NOT TO BE OPENED BEFORE 3.30 P.M on 24<sup>th</sup> September, 2018** 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 31<sup>st</sup> March, 2018 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:

(a) Three similar completed work costing not less than the amount equal to 40% of the estimated cost.

**OR**

(b) Two similar completed work costing not less than the amount equal to 50% of the estimated cost.

**OR**

(c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.

**Similar works means:** Supply, Installation, commissioning of Audio Video System / solution in the Conference Hall / Seminar Hall / Auditorium and large buildings/ class rooms.

## 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 Registry Officers Tea Club, High Court of M.P., Jabalpur.	04 <sup>th</sup> September, 2018 at 11:30 AM in Registry Officers Tea Club, High Court of M.P., Jabalpur.
02	Last date and time of proposal submission.	24 <sup>th</sup> September, 2018 before 3:00 PM.
03	Date and time of opening of the technical Bid at High Court of Madhya Pradesh, Jabalpur	24 <sup>th</sup> September, 2018 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.

## 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 80% of total price against delivery of the all equipments at the site.

3.5.1.2 20 % 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 software's.

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 Conference Hall of the High Court of Madhya Pradesh Bench at Indore, Gwalior & Madhya Pradesh State Judicial Academy, Jabalpur.

### **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.

For first 03 years preventive maintenance is to carried out on yearly basis and thereafter the preventive maintenance is to be carried out 06 monthly basis and when required by the High Court.

**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	(i) Within 24 Hours	Calculation of fault duration	(i) For High Severity events, Rs. <b>2,000/-</b> .

(MTTR)	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	per instance based on complaint reported /logged	(ii) For Low Severity events, Rs. 1,000/-.
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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 electrical and network connections shall be provided by the High Court to the service provider. But the vendor should assist in the work accordingly.

### BILL OF MATERIAL / SPECIFICATIONS

#### A. Teaching Hall of Madhya Pradesh State Judicial Academy

S No	Item Description	Make and Model	Unit / Set/ Meter	No. of Items
1	<b>Heavy duty universal Projector mount, black</b>	<b>Custom Make</b>	No.	1
	6 feet Heavy duty powder coated ceiling mount kit to be provided			
2	<b>12:9, Matt White Motorized Projection Screen (12X9 Feet)</b>	<b>Suvira/Liberty/Da-lite or equivalent brand of repute</b>	No.	1
a	Universal mounting brackets for easy installation anywhere			
b	The pentagonal-shaped steel case should have scratch-resistant white polyester finish.			
c	Screen Surface: Matt white			
d	Aspect Ratio 16:9			
e	Motorized screen			
f	Smooth operation			
g	Inbuilt low voltage circuit			
h	Diagonal Size: 220 "			
3	<b>3500 Lumens WXGA resolution,</b>	<b>EPSON/JVC/Panasonic or equivalent brand of repute</b>	No.	1
	3500 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			
4	<b>55 inches Full HD Monitors/ display panels having HD baseT wall mount and all accessories</b>	<b>Panasonic/LG/Samsung or equivalent brand of repute</b>	No.	2

a	Screen size (diagonal) : 55-inch (1,387 mm)			
b	Panel type : IPS/Edge LED			
c	Aspect ratio : 16:9			
d	Number of pixels (H x V) : 1920 X 1080			
e	Minimum Brightness : 350 cd/m2 or more.			
f	Dynamic contrast : 5,000:1 or better			
g	Response time : 10 ms to 15 ms			
h	HDMI IN Connector : HDMI TYPE A connector x 2			
i	LAN : 10BASE-T/100BASE-TX			
j	HDbaseT : Yes required			
<b>5</b>	65 inches Full HD Monitors / display panels having HD baseT with wall mount	Panasonic/LG/Samsung or equivalent brand of repute	No.	1
a	Screen size (diagonal) : 65-inch			
b	Panel type : IPS/Edge LED			
c	Aspect ratio : 16:9			
d	Number of pixels (H x V) : 1920 X 1080			
e	Minimum Brightness : 350 cd/m2 or more			
f	Dynamic contrast : 5,000:1 or better			
g	Response time : 10 ms +/- 2			
h	HDMI IN Connector : HDMI TYPE A connector x 2			
i	LAN : 10BASE-T/100BASE-TX			
j	USB memory : USB TYPE A connector x 1			
k	Built-in speaker ; 20 W [10 W + 10 W]			
l	VGA In : Mini D-sub 15-pin (DDC2B compatible) x 1			
<b>6</b>	<b>HDCP Compliant Presentation Switcher with HD BaseT Out along with all accessories.</b>	<b>Kramer or equivalent brand of repute</b>	No.	1
a	INPUTS: 4 HDMI on HDMI connectors, 5 IR on 3.5mm mini jack connectors			
b	OUTPUTS: 2 HDMI connectors, 4 HDBaseT on RJ-45 connectors, 5 IR on 3.5mm mini jack connectors, 1 unbalanced stereo audio on a 3.5mm mini jack connector			
c	PORTS: 1 Ethernet on an RJ-45 connector, 1 program on a USB connector, 1 RS-232 control on a 3-pin terminal block, 1 RS-232 data on a 3-pin terminal block			
d	MAX. DATA RATE: 10.2Gbps (3.4Gbps per graphic channel)			
e	SUPPORTED RESOLUTIONS:VGA to WUXGA (reduced blanking), 4Kx2K @30Hz with Deep Color up to			



	36bpp			
f	HDMI RANGE: 15m (49feet) @ 8bit resolution, 10m (33feet) @ 12 bit resolution			
g	HDBaseT RANGE: 100m (328feet) 4K @30Hz 180m (590feet) 1080 @60Hz@24bpp			
7	Passive Face plate with HDMI, VGA Audio. Etc.	Kramer or equivalent brand of repute	No.	2
a	Passive Face plate with HDMI Connector			
8	Digital Podium with Interactive (Touch) Panel	UNI or equivalent brand of repute	No.	1
a	19"LCD Tablet Monitor			
b	Resolution 1366 x 768			
c	View Area 409.8(H) x 230.4(V) mm – 19 inch			
d	Luminance ,White 300 cd/m <sup>2</sup>			
e	Contrast Ratio 1000:1 (typ.)			
f	Viewing Angle 160° (H/V)			
g	Lamp Life Time 20,000 Hrs (min			
h	Technology Electromagnetic Resonance Detectable Height 3~10mm Position Report Rate 138pps Pressure Resolution 1024 Level			
	<b>Podium :</b>			
a	Body : Steel Frame with Wooden Top			
b	Sliding cover : Opening/Closing the cover easily			
c	Soft wheels : Moving podium with convenience			
d	Adjusting Monitor Angle system			
e	User can set monitor angle as user's want			
f	In-built Rack : Podium should have an in-built 19U Rack for housing Amplifier, PC, DVD Player, etc.			
g	Top Connection Panel : Should have RGB x 1 for connecting External Laptop, USB x 2 for external Hard Disk Connectivity, Power Socket, Switcher and Gooseneck Microphone.			
h	Dimensions : 687 (W) x 1054 (H) x 860 (D) mm or equivalent			
9	<b>VGA To HDMI Converter</b>	<b>Kramer/Finolex or equivalent brand of repute</b>	No.	2
10	<b>VGA + Audio patch cable - 6ft or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	2
a	High performance cable designed for transmission of computer-video,			

	audio, and ID bit signals			
b	Terminated with high quality molded VGA male connectors and 3.5 mm connectors			
c	Length : 6 feet or above			
d	VGA shall grounded for ESD electrostatic discharge protection			
<b>11</b>	<b>HDMI patch cable - 6ft or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	4
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 6 feet			
d	36 AWG copper wire construction			
e	Gold plated contacts			
<b>12</b>	<b>HDMI patch cable - 50feet / 15 meter or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	5
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 50 feet / 15 meter or above			
d	36 AWG copper wire construction			
e	Gold plated contacts			
<b>13</b>	<b>Wireless Lapel Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	2
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz Diversity system: Antenna switching RF output: 10, 20 or 50 mW (depending on frequency band) Audio bandwidth: 40 – 20 000 Hz (+/- 3dB) Tuning range: Up to 30 MHz (depending on frequency band) Max. channels: Up to eight compatible channels within one frequency band Frequency selection: Fixed frequencies Modulation: FM Radio range (Line of sight): 30 meter (with external antennas further distances achievable)			
	<b>WIRELESS BODYPACK TRANSMITTER</b>			
a	Type: Three pin mini XLR connector (female)			

b	Maximum audio level: 12dB			
c	Rated Impedance: 1 Ohms			
d	Audio bandwidth: 40 – 20 000 Hz (+/- 3dB)			
e	Signal to noise: 105 dB-A			
f	THD at 1kHz: 0.8%			
g	Transmitter synchronization: Manual			
h	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			
i	Operating time: Up to eight hours with one AA battery			
<b>14</b>	<b>Wireless Handheld Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	2
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz Diversity system: Antenna switching RF output: 10, 20 or 50 mW (depending on frequency band) Audio bandwidth: 40 – 20 000 Hz (+/- 3dB) Tuning range: Up to 30 MHz (depending on frequency band) Max. channels: Up to eight compatible channels within one frequency band Frequency selection: Fixed frequencies Modulation: FM Radio range (Line of sight): 30 meter (with external antennas further distances achievable)			
	<b>WIRELESS HANDHELD TRANSMITTER</b>			
a	Microphone capsule: Patented dynamic D5 capsule			
b	Polar pattern: super cardioids			
c	Signal to noise: 105 dB-A			
	THD at 1kHz: 0.8%			
d	Audio bandwidth: 70 – 20 000 Hz (+/- 3dB)			
e	Transmitter synchronization: Manual			
f	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			

g	Operating time: Up to eight hours with one AA battery			
<b>15</b>	<b>18 inch Gooseneck Stem</b>	<b>AKG or equivalent brand of repute</b>	No.	3
a	Bass filter: 250 Hz, -10 dB bei 50 Hz			
b	Impedance: <=600 ohms			
c	Recommended load impedance : >=2,000 ohms			
d	Supply voltage : 9 to 52 V phantom power to DIN/IEC			
e	Powering: <=3.5 mA			
f	Connector : 3-pin male XLR			
g	Finish matte dark grey			
h	Programmable mute switch			
i	High RFI (Radio Frequency Interference) immunity			
j	Integrated LED ring status indicator			
k	Integrated, gold-plated XLR connector			
l	50 Cm Length			
m	Polar pattern: cardioids			
n	Frequency range: 50 to 20,000 Hz			
o	Sensitivity: 20 mV/Pa (-34 dBV) re 1 V/Pa			
p	Max. SPL : 125 dB (for 1 % THD)			
q	Equivalent noise level: 21 dB-A			
r	Signal/noise ratio (A-weighted) : 73 dB			
s	Shock Mount Adaptor			
<b>16</b>	<b>Audio Mixer (minimum 10 channel with 2 aux ports)</b>	<b>Sound Craft equivalent brand of repute</b>	No.	1
a	<ul style="list-style-type: none"> <li>•Frame sizes : 12+2</li> <li>•2 configurable auxiliary buses</li> <li>•XLR-type and ¼" metal jack connector sockets</li> <li>•RCA phono stereo playback inputs and record outputs</li> <li>•3-band EQ with a swept mid on mono inputs</li> <li>•2-band EQ on stereo inputs</li> <li>•TRS insert sockets and inserts on all mono inputs and mix output</li> <li>•Ten-segment LED output metering</li> <li>•Intuitive and comprehensive solo system</li> <li>•Headphone output</li> <li>•Easily rack mountable</li> </ul>			

<b>17</b>	<b>Speakers , Black</b>	<b>Bose or equivalent brand of repute</b>	No.	4
a	Power Handling (low - Z) : 500 W			
b	Max SPL ; 125 dB (133 dB peak)			
c	Freq. Resp. (-10 dB):60 Hz – 20 kHz			
d	Vertical Coverage: Narrow = 25° asymmetrical Broad = 45° asymmetrical			
e	Sensitivity (SPL @ 1m, 3.3 feet): 98dB			
f	Wall Bracket : Should be Included			
g	Transducers:16 x 1" tweeters, 4 x 5" woofers			
<b>18</b>	<b>Four Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	1
a	Four-channel, 600W @ 4Ω Analog Power Amplifier, 70V/100V			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
<b>19</b>	<b>Dual Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	1
a	Analog input, 2 channel, 600W per output channel			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
<b>20</b>	<b>Microphone bulk cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	125
a	Balanced stereo mic or line level audio signals			
b	20 AWG (10/30) tinned copper conductors.			
c	PVC color coded: red/black &			

	green/white.			
d	20 AWG (10/30) tinned copper (in contact with shield)			
e	Aluminum Mylar foil 25% overlap rate.			
f	DC Resistance:-34.6Ω/km (10.5Ω/1000feet).			
g	Capacitance: 89pF/m (27pF/feet).			
h	Impedance: 40 to 100Ω.			
i	Shield Wire with Balance ground			
j	Belden or equivalent brand of repute			
<b>21</b>	<b>Speaker Bulk Cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	400
a	Conductors: 16 AWG, (26/30) bare copper conductors.			
b	Insulation: PVC color coded: red, black.			
c	Conductors:16 AWG (26/30) bare copper conductors. Insulation : PVC color coded: red			
d	DC Resistance: 34.6Ω/km (10.5Ω/1000feet).			
e	Belden or equivalent brand of repute			
<b>22</b>	<b>Various Bulk Cables and Connectors with Accessories</b>	<b>Branded</b>	Lot	1
a	Good Quality Branded Connectors / having ISO / ISI mark			
<b>23</b>	<b>Shielded Cat6 cable</b>	<b>Kramer or equivalent brand of repute</b>	Meter	250
a	Four–Pair U/FTP Data Bulk Cable (23AWG)			
b	Outer Jacket Color : Blue			
c	Total Wires : 8			
d	Overall Shield Material : Polyester aluminum tape.			
e	Min. Bend Radius : 35mm.			
f	Impedance : 100 ohm			
g	Dlink / Cisco or equivalent brand of repute			
<b>24</b>	<b>Stereo Audio/Control Cable</b>	<b>Kramer or equivalent brand of repute</b>	Meter	200
<b>25</b>	<b>Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height</b>	<b>Valrack or equivalent brand of repute</b>	Set	1
<b>26</b>	<b>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</b>	<b>Axis / Pelco or equivalent brand of repute</b>	Set	1

	<p>for studio connectivity. CD-audio quality in stereo. Compliance with SMPTE 296M Power supply and wall mount bracket are included.</p> <p>a. In this the live streaming is required for display of the events activities of the conference hall.</p> <p>b. The joystick is to be provided along with cable for control purpose.</p> <p>The vendor has to provide the recording server with minimum 4 TB capacity</p>			
27	Remote operated curtains / blinds	As per site requirement/Custom	Lump sum	-
28.	UHF Antenna to RF Signals for minimum four units, Independent remote half wave omni direction antenna.	Reputed make / Brand	No.	1

**B. Round Table Conference Hall of Madhya Pradesh State Judicial Academy.**

S No	Item Description	Make and Model	Unit / Set/ Meter	No. of Items
1	<b>Heavy duty universal Projector mount, black</b>	<b>Custom Make</b>	No.	1
	6 feet Heavy duty powder coated ceiling mount kit to be provided			
2	<b>12:9, Matt White Motorized Projection Screen (12X9 Feet)</b>	<b>Suvira/Liberty/Da-lite or equivalent brand of repute</b>	No.	1
a	Universal mounting brackets for easy installation anywhere			
b	The pentagonal-shaped steel case should have scratch-resistant white polyester finish.			
c	Screen Surface: Matt white			
d	Aspect Ratio 16:9			
e	Motorized screen			
f	Smooth operation			
g	Inbuilt low voltage circuit			
h	Diagonal Size: 220 "			
3	<b>3500 Lumens WXGA resolution,</b>	<b>EPSON/JVC/Panasonic or equivalent brand of repute</b>	No.	1
	3500 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			
<b>4</b>	<b>55 inches Full HD Monitors / display panels having HD baseT with wall mount</b>	<b>Panasonic/LG/Samsung or equivalent brand of repute</b>	No.	2
a	Screen size (diagonal) : 55-inch (1,387 mm)			
b	Panel type : IPS/Edge LED			
c	Aspect ratio : 16:9			
d	Number of pixels (H x V) : 1920 X 1080			
e	Minimum Brightness : 350 cd/m2 or more.			
f	Dynamic contrast : 5,000:1 or better			
g	Response time : 10 ms to 15 ms			
h	HDMI IN Connector : HDMI TYPE A connector x 2			
i	LAN : 10BASE-T/100BASE-TX			
j	HDBaseT : Yes required			
<b>5</b>	<b>HDCP Compliant Presentation Switcher with HSBaset Out along with all accessories</b>	<b>Kramer or equivalent brand of repute</b>	No.	1
a	INPUTS: 4 HDMI on HDMI connectors, 5 IR on 3.5mm mini jack connectors			
b	OUTPUTS: 2 HDMI connectors, 4 HDBaset on RJ-45 connectors, 5 IR on 3.5mm mini jack connectors, 1 unbalanced stereo audio on a 3.5mm mini jack connector			
c	PORTS: 1 Ethernet on an RJ-45 connector, 1 program on a USB connector, 1 RS-232 control on a 3-pin terminal block, 1 RS-232 data on a 3-pin terminal block			
d	MAX. DATA RATE: 10.2Gbps (3.4Gbps per graphic channel)			
e	SUPPORTED RESOLUTIONS:VGA to WUXGA (reduced blanking), 4Kx2K @30Hz with Deep Color up to 36bpp			
f	HDMI RANGE: 15m (49feet) @ 8bit resolution, 10m (33feet) @ 12 bit resolution			
g	HDBaset RANGE: 100m (328feet) 4K @30Hz 180m (590feet) 1080 @60Hz@24bpp			
<b>6</b>	<b>Passive Face plate with HDMI, VGA Audio</b>	<b>Kramer or equivalent brand of repute</b>	No.	2
a	Passive Face plate with HDMI Connector			
<b>7</b>	<b>Digital Podium with Interactive (Touch) Panel</b>	<b>UNI or equivalent brand of repute</b>	No.	1
a	19"LCD Tablet Monitor			
b	Resolution 1366 x 768			
c	View Area 409.8(H) x 230.4(V) mm – 19 inch			
d	Luminance ,White 300 cd/m <sup>2</sup>			



e	Contrast Ratio 1000:1 (typ.)			
f	Viewing Angle 160° (H/V)			
g	Lamp Life Time 20,000 Hrs (min)			
h	Technology Electromagnetic Resonance Detectable Height 3~10mm Position Report Rate 138pps Pressure Resolution 1024 Level			
	<b>Podium :</b>			
a	Body : Steel Frame with Wooden Top			
b	Sliding cover : Opening/Closing the cover easily			
c	Soft wheels : Moving podium with convenience			
d	Adjusting Monitor Angle system			
e	User can set monitor angle as user's want			
f	In-built Rack : Podium should have an in-built 19U Rack for housing Amplifier, PC, DVD Player, etc.			
g	Top Connection Panel : Should have RGB x 1 for connecting External Laptop, USB x 2 for external Hard Disk Connectivity, Power Socket, Switcher and Gooseneck Microphone.			
h	Dimensions : 687 (W) x 1054 (H) x 860 (D) mm or equivalent			
<b>8</b>	<b>VGA To HDMI Converter</b>	<b>Kramer or equivalent brand of repute</b>	No.	1
<b>9</b>	<b>VGA + Audio patch cable - 6ft</b>	<b>Kramer or equivalent brand of repute</b>	No.	2
a	High performance cable designed for transmission of computer-video, audio, and ID bit signals			
b	Terminated with high quality molded VGA male connectors and 3.5 mm connectors			
c	Length : 6 feet or above			
d	VGA shall grounded for ESD electrostatic discharge protection			
<b>10</b>	<b>HDMI patch cable - 6ft</b>	<b>Kramer or equivalent brand of repute</b>	No.	4
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 6 feet			
d	36 AWG copper wire construction			
e	Gold plated contacts			
<b>11</b>	<b>HDMI patch cable - 50feet / 15 meter or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	5
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 50 feet / 15 meter or above			

d	36 AWG copper wire construction			
e	Gold plated contacts			
<b>12</b>	<b>Wireless Lapel Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	1
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz Diversity system: Antenna switching RF output: 10, 20 or 50 mW (depending on frequency band) Audio bandwidth: 40 – 20 000 Hz (+/- 3dB) Tuning range: Up to 30 MHz (depending on frequency band) Max. channels: Up to eight compatible channels within one frequency band Frequency selection: Fixed frequencies Modulation: FM Radio range (Line of sight): 30 meter (with external antennas further distances achievable)			
	<b>WIRELESS BODYPACK TRANSMITTER</b>			
a	Type: Three pin mini XLR connector (female)			
b	Maximum audio level: 12dB			
c	Rated Impedance: 1 Ohms			
d	Audio bandwidth: 40 – 20 000 Hz (+/- 3dB)			
e	Signal to noise: 105 dB-A			
f	THD at 1kHz: 0.8%			
g	Transmitter synchronization: Manual			
h	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			
i	Operating time: Up to eight hours with one AA battery			
<b>13</b>	<b>Wireless Handheld Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	2
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D:			

	863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz Diversity system: Antenna switching RF output: 10, 20 or 50 mW (depending on frequency band) Audio bandwidth: 40 – 20 000 Hz (+/- 3dB) Tuning range: Up to 30 MHz (depending on frequency band) Max. channels: Up to eight compatible channels within one frequency band Frequency selection: Fixed frequencies Modulation: FM Radio range (Line of sight): 30 meter (with external antennas further distances achievable)			
	<b>WIRELESS HANDHELD TRANSMITTER</b>			
a	Microphone capsule: Patented dynamic D5 capsule			
b	Polar pattern: super cardioids			
c	Signal to noise: 105 dB-A			
	THD at 1kHz: 0.8%			
d	Audio bandwidth: 70 – 20 000 Hz (+/- 3dB)			
e	Transmitter synchronization: Manual			
f	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			
g	Operating time: Up to eight hours with one AA battery			
<b>14</b>	<b>18 inch Gooseneck Stem</b>	<b>AKG or equivalent brand of repute</b>	No.	2
a	Bass filter: 250 Hz, -10 dB bei 50 Hz			
b	Impedance: <=600 ohms			
c	Recommended load impedance : >=2,000 ohms			
d	Supply voltage : 9 to 52 V phantom power to DIN/IEC			
e	Powering: <=3.5 mA			
f	Connector : 3-pin male XLR			
g	Finish matte dark grey			
h	Programmable mute switch			
i	High RFI (Radio Frequency Interference) immunity			
j	Integrated LED ring status indicator			
k	Integrated, gold-plated XLR connector			
l	50 Cm Length			
m	Polar pattern: cardioids			
n	Frequency range: 50 to 20,000 Hz			
o	Sensitivity: 20 mV/Pa (-34 dBV) re 1			

	V/Pa			
p	Max. SPL : 125 dB (for 1 % THD)			
q	Equivalent noise level: 21 dB-A			
r	Signal/noise ratio (A-weighted) : 73 dB			
s	Shock Mount Adaptor			
<b>15</b>	<b>Audio Mixer (minimum 10 channel with 2 aux ports)</b>	<b>Sound Craft</b>	No.	1
a	<ul style="list-style-type: none"> <li>•Frame sizes : 12+2</li> <li>•2 configurable auxiliary buses</li> <li>•XLR-type and ¼" metal jack connector sockets</li> <li>•RCA phono stereo playback inputs and record outputs</li> <li>•3-band EQ with a swept mid on mono inputs</li> <li>•2-band EQ on stereo inputs</li> <li>•TRS insert sockets and inserts on all mono inputs and mix output</li> <li>•Ten-segment LED output metering</li> <li>•Intuitive and comprehensive solo system</li> <li>•Headphone output</li> <li>•Easily rack mountable</li> </ul>			
<b>16</b>	<b>Speakers , Black</b>	<b>Bose or equivalent brand of repute</b>	No.	4
a	Power Handling (low - Z) : 500 W			
b	Max SPL ; 125 dB (133 dB peak)			
c	Freq. Resp. (-10 dB):60 Hz – 20 kHz			
d	Vertical Coverage: Narrow = 25° asymmetrical Broad = 45° asymmetrical			
e	Sensitivity (SPL @ 1m, 3.3 feet): 98dB			
f	Wall Bracket : Should be Included			
g	Transducers:16 x 1" tweeters, 4 x 5" woofers			
<b>17</b>	<b>Four Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	1
a	Four-channel, 600W @ 4Ω Analog Power Amplifier, 70V/100V			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
<b>18</b>	<b>Dual Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	1
a	Analog input, 2 channel, 600W per			

	output channel			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
<b>19</b>	<b>Microphone bulk cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	125
a	Balanced stereo mic or line level audio signals			
b	20 AWG (10/30) tinned copper conductors.			
c	PVC color coded: red/black & green/white.			
d	20 AWG (10/30) tinned copper (in contact with shield)			
e	Aluminum Mylar foil 25% overlap rate.			
f	DC Resistance:-34.6Ω/km (10.5Ω/1000feet).			
g	Capacitance: 89pF/m (27pF/feet).			
h	Impedance: 40 to 100Ω.			
i	Shield Wire with Balance ground			
j	Belden or equivalent brand of repute			
<b>20</b>	<b>Speaker Bulk Cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	400
a	Conductors: 16 AWG, (26/30) bare copper conductors.			
b	Insulation: PVC color coded: red, black.			
c	Conductors:16 AWG (26/30) bare copper conductors. Insulation : PVC color coded: red			
d	DC Resistance: 34.6Ω/km (10.5Ω/1000feet).			
e	Belden or equivalent brand of repute			
<b>21</b>	<b>Various Bulk Cables and Connectors with Accessories</b>	<b>Branded</b>	Lot	1
a	Good Quality Branded Connectors / having ISO / ISI mark			
<b>22</b>	<b>Shielded Cat6 cable</b>	<b>Kramer or equivalent brand of repute</b>	Meter	250
a	Four–Pair U/FTP Data Bulk Cable (23AWG)			
b	Outer Jacket Color : Blue			
c	Total Wires : 8			
d	Overall Shield Material : Polyester aluminum tape.			

e	Min. Bend Radius : 35mm.			
f	Impedance : 100 ohm			
g	Dlink /Cisco or equivalent brand of repute			
23	<b>Stereo Audio/Control Cable</b>	<b>Kramer or equivalent brand of repute</b>	Meter	200
24	<b>Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height</b>	<b>Valrack or equivalent brand of repute</b>	Set	1
25	<b>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. a. In this the live streaming is required for display of the events activities of the conference hall. b. The joystick is to provided along with cable for control purpose.</b>	<b>Axis / Pelco or equivalent brand of repute</b>	Set	1
26.	<b>Remote operated curtains / blinds.</b>	<b>Custom</b>	Lumpsum	-

**C. High Court of Madhya Pradesh, Bench at Indore.**

<b>S No.</b>	<b>Item Description</b>	<b>Make and Model</b>	<b>Unit / Set/ Meter</b>	<b>No. of Items</b>
1	<b>Heavy duty universal Projector mount, black</b>	<b>Custom Make</b>	No.	1
	6 feet Heavy duty powder coated ceiling mount kit to be provided			
2	<b>220 Inch Diagonal , 16:9, Matt White Motorized Projection Screen (16X9 Feet)</b>	<b>Suvira/Liberty/Da-lite or equivalent brand of repute</b>	No.	1
3	<b>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</b>	<b>EPSON/JVC/Panasonic or equivalent brand of repute</b>	No.	1

	<b>Base-T, Wired Network</b>			
4	<b>55 inches Full HD Monitors / display panels having HD baseT with wall mount and all accessories</b>	<b>Panasonic/LG/Samsung or equivalent brand of repute</b>	No.	2
a	Screen size (diagonal) : 55-inch (1,387 mm)			
b	Panel type : IPS/Edge LED			
c	Aspect ratio : 16:9			
d	Number of pixels (H x V) : 1920 X 1080			
e	Minimum Brightness : 350 cd/m2 or more.			
f	Dynamic contrast : 5,000:1 or better			
g	Response time : 10 ms to 15 ms			
h	HDMI IN Connector : HDMI TYPE A connector x 2			
i	LAN : 10BASE-T/100BASE-TX			
j	HDBaseT : Yes required			
5	<b>HDCP Compliant Presentation Switcher with HSBaSeT Out along with all accessories</b>	<b>Kramer or equivalent brand of repute</b>	No.	1
a	INPUTS: 4 HDMI on HDMI connectors, 5 IR on 3.5mm mini jack connectors			
b	OUTPUTS: 2 HDMI connectors, 4 HDBaseT on RJ-45 connectors, 5 IR on 3.5mm mini jack connectors, 1 unbalanced stereo audio on a 3.5mm mini jack connector			
c	PORTS: 1 Ethernet on an RJ-45 connector, 1 program on a USB connector, 1 RS-232 control on a 3-pin terminal block, 1 RS-232 data on a 3-pin terminal block			
d	MAX. DATA RATE: 10.2Gbps (3.4Gbps per graphic channel)			
e	SUPPORTED RESOLUTIONS:VGA to WUXGA (reduced blanking), 4Kx2K @30Hz with Deep Color up to 36bpp			
f	HDMI RANGE: 15m (49feet) @ 8bit resolution, 10m (33feet) @ 12 bit resolution			
g	HDBaseT RANGE: 100m (328feet) 4K @30Hz 180m (590feet) 1080 @60Hz@24bpp			
6	<b>Passive Face plate with HDMI, VGA Audio</b>	<b>Kramer or equivalent brand of repute</b>	No.	3
a	Passive Face plate with HDMI Connector			
7	<b>Digital Podium with Interactive (Touch) Panel</b>	<b>UNI or equivalent brand of repute</b>	No.	1
a	19"LCD Tablet Monitor			
b	Resolution 1366 x 768			
c	View Area 409.8(H) x 230.4(V) mm – 19 inch			

d	Luminance ,White 300 cd/m <sup>2</sup>			
e	Contrast Ratio 1000:1 (typ.)			
f	Viewing Angle 160° (H/V)			
g	Lamp Life Time 20,000 Hrs (min)			
h	Technology Electromagnetic Resonance Detectable Height 3~10mm Position Report Rate 138pps Pressure Resolution 1024 Level			
	Podium :			
a	Body : Steel Frame with Wooden Top			
b	Sliding cover : Opening/Closing the cover easily			
c	Soft wheels : Moving podium with convenience			
d	Adjusting Monitor Angle system			
e	User can set monitor angle as user's want			
f	In-built Rack : Podium should have an in-built 19U Rack for housing Amplifier, PC, DVD Player, etc.			
g	Top Connection Panel : Should have RGB x 1 for connecting External Laptop, USB x 2 for external Hard Disk Connectivity, Power Socket, Switcher and Gooseneck Microphone.			
h	Dimensions : 687 (W) x 1054 (H) x 860 (D) mm or equivalent			
<b>8</b>	<b>VGA To HDMI Converter</b>	<b>Kramer or equivalent brand of repute</b>	No.	1
<b>9</b>	<b>VGA + Audio patch cable - 6ft or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	3
a	High performance cable designed for transmission of computer-video, audio, and ID bit signals			
b	Terminated with high quality molded VGA male connectors and 3.5 mm connectors			
c	Length : 6 feet or above			
d	VGA shall grounded for ESD electrostatic discharge protection			
<b>10</b>	<b>HDMI patch cable - 6ft or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	5
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 6 feet			
d	36 AWG copper wire construction			
e	Gold plated contacts			
<b>11</b>	<b>HDMI patch cable - 50feet / 15 meter or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	5
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 50 feet / 15 meter or above			
d	36 AWG copper wire construction			



e	Gold plated contacts			
<b>12</b>	<b>Wireless Lapel Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	2
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz Diversity system: Antenna switching RF output: 10, 20 or 50 mW (depending on frequency band) Audio bandwidth: 40 – 20 000 Hz (+/- 3dB) Tuning range: Up to 30 MHz (depending on frequency band) Max. channels: Up to eight compatible channels within one frequency band Frequency selection: Fixed frequencies Modulation: FM Radio range (Line of sight): 30 meter (with external antennas further distances achievable)			
	WIRELESS BODYPACK TRANSMITTER			
a	Type: Three pin mini XLR connector (female)			
b	Maximum audio level: 12dB			
C	Rated Impedance: 1 Ohms			
d	Audio bandwidth: 40 – 20 000 Hz (+/- 3dB)			
e	Signal to noise: 105 dB-A			
f	THD at 1kHz: 0.8%			
g	Transmitter synchronization: Manual			
h	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			
i	Operating time: Up to eight hours with one AA battery			
<b>13</b>	<b>Wireless Handheld Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	2
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100			

	<p>– 931,850 MHz  Diversity system: Antenna switching  RF output: 10, 20 or 50 mW  (depending on frequency band)  Audio bandwidth: 40 – 20 000 Hz  (+/- 3dB)  Tuning range: Up to 30 MHz  (depending on frequency band)  Max. channels: Up to eight  compatible channels within one  frequency band  Frequency selection: Fixed  frequencies  Modulation: FM  Radio range (Line of sight): 30  meter (with external antennas  further distances achievable)</p>			
	<b>WIRELESS HANDHELD TRANSMITTER</b>			
a	Microphone capsule: Patented dynamic D5 capsule			
b	Polar pattern: super cardioids			
c	Signal to noise: 105 dB-A			
d	THD at 1kHz: 0.8%			
e	Audio bandwidth: 70 – 20 000 Hz (+/- 3dB)			
f	Transmitter synchronization: Manual			
g	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			
h	Operating time: Up to eight hours with one AA battery			
<b>14</b>	<b>18 inch Gooseneck Stem</b>	<b>AKG or equivalent brand of repute</b>	No.	2
a	Bass filter: 250 Hz, -10 dB bei 50 Hz			
b	Impedance: <=600 ohms			
c	Recommended load impedance : >=2,000 ohms			
d	Supply voltage : 9 to 52 V phantom power to DIN/IEC			
e	Powering: <=3.5 mA			
f	Connector : 3-pin male XLR			
g	Finish matte dark grey			
h	Programmable mute switch			
i	High RFI (Radio Frequency Interference) immunity			
j	Integrated LED ring status indicator			
k	Integrated, gold-plated XLR connector			
l	50 Cm Length			
m	Polar pattern: cardioids			
n	Frequency range: 50 to 20,000 Hz			
o	Sensitivity: 20 mV/Pa (-34 dBV) re 1 V/Pa			
p	Max. SPL : 125 dB (for 1 % THD)			
q	Equivalent noise level: 21 dB-A			
r	Signal/noise ratio (A-weighted) : 73			

	dB			
s	Shock Mount Adaptor			
15	<b>Audio Mixer</b>	<b>Sound Craft equivalent brand of repute</b>	No.	1
16	<b>Line Array Column Speakers , Black</b>	<b>JBL Pro or equivalent brand of repute</b>	No.	10
a	Power Handling (low - Z) : 500 W			
b	Max SPL ; 125 dB (133 dB peak)			
c	Freq. Resp. (-10 dB):60 Hz – 20 kHz			
d	Vertical Coverage: Narrow = 25° asymmetrical Broad = 45° asymmetrical			
e	Sensitivity (SPL @ 1m, 3.3 feet): 98dB			
f	Wall Bracket : Should be Included			
g	Transducers:16 x 1" tweeters, 4 x 5" woofers			
17	<b>Four Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	2
a	Four-channel, 600W @ 4Ω Analog Power Amplifier, 70V/100V			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
18	<b>Dual Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	1
a	Analog input, 2 channel, 600W per output channel			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
19	<b>Microphone bulk cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	125
a	Balanced stereo mic or line level audio signals			
b	20 AWG (10/30) tinned copper conductors.			

c	PVC color coded: red/black & green/white.			
d	20 AWG (10/30) tinned copper (in contact with shield)			
e	Aluminum Mylar foil 25% overlap rate.			
f	DC Resistance:-34.6Ω/km (10.5Ω/1000feet).			
g	Capacitance: 89pF/m (27pF/feet).			
h	Impedance: 40 to 100Ω.			
i	Shield Wire with Balance ground			
j	Belden or equivalent brand of repute			
<b>20</b>	<b>Speaker Bulk Cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	400
a	Conductors: 16 AWG, (26/30) bare copper conductors.			
b	Insulation: PVC color coded: red, black.			
c	Conductors:16 AWG (26/30) bare copper conductors. Insulation : PVC color coded: red			
d	DC Resistance: 34.6Ω/km (10.5Ω/1000feet).			
e	Belden or equivalent brand of repute			
<b>21</b>	<b>Various Bulk Cables and Connectors with Accessories</b>	<b>Branded</b>	Lot	1
a	Good Quality Branded Connectors / having ISO / ISI mark			
<b>22</b>	<b>Shielded Cat6 cable</b>	<b>DLink or equivalent brand of repute</b>	Meter	250
a	Four–Pair U/FTP Data Bulk Cable (23AWG)			
b	Outer Jacket Color : Blue			
c	Total Wires : 8			
d	Overall Shield Material : Polyester aluminum tape.			
e	Min. Bend Radius : 35mm.			
f	Impedance : 100 ohm			
g	Dlink / Cisco or equivalent brand of repute			
<b>23</b>	<b>Stereo Audio/Control Cable</b>	<b>Kramer or equivalent brand of repute</b>	Meter	200
<b>24</b>	<b>Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height</b>	<b>Valrack or equivalent brand of repute</b>	Set	1
<b>25</b>	<b>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,</b>	<b>Axis / Pelco or equivalent brand of repute</b>	Set	1

	<p>smooth pan and tilt, WDR, EIS. HDMI, 3G- SDI, XLR-3 for studio connectivity. CD-audio quality in stereo. Compliance with SMPTE 296M</p> <p>Power supply and wall mount bracket are included.</p> <p>a. In this the live streaming is required for display of the events activities of the conference hall.</p> <p>b. The joystick is to provided along with cable for control purpose.</p> <p>The vendor has to provide the recording server with minimum 4 TB capacity</p>			
26.	Remote operated curtains / blinds.	Custom	Lumpsum	0

**D. High Court of Madhya Pradesh, Bench at Gwalior.**

S No.	Item Description	Make and Model	Unit / Set/ Meter	No. of Items
1	<b>Heavy duty universal Projector mount, black</b>	<b>Custom Make</b>	No.	1
	6 feet Heavy duty powder coated ceiling mount kit to be provided			
2	<b>220 Inch Diagonal , 16:9, Matt White Motorized Projection Screen (16X9 Feet)</b>	<b>Suvira/Liberty/Da-lite or equivalent brand of repute</b>	No.	1
3	<b>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</b>	<b>EPSON/JVC/Panasonic or equivalent brand of repute</b>	No.	1
4	<b>55 inches Full HD Monitors / display panels having HD baseT with wall mount and all accessories</b>	<b>Panasonic/LG/Samsung or equivalent brand of repute</b>	No.	2
a	Screen size (diagonal) : 55-inch (1,387 mm)			
b	Panel type : IPS/Edge LED			
c	Aspect ratio : 16:9			
d	Number of pixels (H x V) : 1920 X 1080			
e	Minimum Brightness : 350 cd/m2 or more.			
f	Dynamic contrast : 5,000:1 or better			
g	Response time : 10 ms to 15 ms			

h	HDMI IN Connector : HDMI TYPE A connector x 2			
i	LAN : 10BASE-T/100BASE-TX			
j	HDBaseT : Yes required			
5	<b>HDCP Compliant Presentation Switcher with HSBaSeT Out along with all accessories</b>	<b>Kramer or equivalent brand of repute</b>	No.	1
a	INPUTS: 4 HDMI on HDMI connectors, 5 IR on 3.5mm mini jack connectors			
b	OUTPUTS: 2 HDMI connectors, 4 HDBaseT on RJ-45 connectors, 5 IR on 3.5mm mini jack connectors, 1 unbalanced stereo audio on a 3.5mm mini jack connector			
c	PORTS: 1 Ethernet on an RJ-45 connector, 1 program on a USB connector, 1 RS-232 control on a 3-pin terminal block, 1 RS-232 data on a 3-pin terminal block			
d	MAX. DATA RATE: 10.2Gbps (3.4Gbps per graphic channel)			
e	SUPPORTED RESOLUTIONS:VGA to WUXGA (reduced blanking), 4Kx2K @30Hz with Deep Color up to 36bpp			
f	HDMI RANGE: 15m (49feet) @ 8bit resolution, 10m (33feet) @ 12 bit resolution			
g	HDBaseT RANGE: 100m (328feet) 4K @30Hz 180m (590feet) 1080 @60Hz@24bpp			
6	<b>Passive Face plate with HDMI, VGA Audio</b>	<b>Kramer or equivalent brand of repute</b>	No.	3
a	Passive Face plate with HDMI Connector			
7	<b>Digital Podium with Interactive (Touch) Panel</b>	<b>UNI or equivalent brand of repute</b>	No.	1
a	19"LCD Tablet Monitor			
b	Resolution 1366 x 768			
c	View Area 409.8(H) x 230.4(V) mm – 19 inch			
d	Luminance ,White 300 cd/m <sup>2</sup>			
e	Contrast Ratio 1000:1 (typ.)			
f	Viewing Angle 160° (H/V)			
g	Lamp Life Time 20,000 Hrs (min			
h	Technology Electromagnetic Resonance Detectable Height 3~10mm Position Report Rate 138pps Pressure Resolution 1024 Level			
	Podium :			
a	Body : Steel Frame with Wooden Top			
b	Sliding cover : Opening/Closing the cover easily			
c	Soft wheels : Moving podium with convenience			
d	Adjusting Monitor Angle system			

e	User can set monitor angle as user's want			
f	In-built Rack : Podium should have an in-built 19U Rack for housing Amplifier, PC, DVD Player, etc.			
g	Top Connection Panel : Should have RGB x 1 for connecting External Laptop, USB x 2 for external Hard Disk Connectivity, Power Socket, Switcher and Gooseneck Microphone.			
h	Dimensions : 687 (W) x 1054 (H) x 860 (D) mm or equivalent			
8	<b>VGA To HDMI Converter</b>	<b>Kramer/Finolex or equivalent brand of repute</b>	No.	1
9	<b>VGA + Audio patch cable - 6ft or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	3
a	High performance cable designed for transmission of computer-video, audio, and ID bit signals			
b	Terminated with high quality molded VGA male connectors and 3.5 mm connectors			
c	Length : 6 feet or above			
d	VGA shall grounded for ESD electrostatic discharge protection			
10	<b>HDMI patch cable - 6ft or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	5
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 6 feet			
d	36 AWG copper wire construction			
e	Gold plated contacts			
11	<b>HDMI patch cable - 50feet / 15 meter or above</b>	<b>Kramer or equivalent brand of repute</b>	No.	5
a	Ultra-flexible, low bend radius HDMI cables			
b	1080p/60 verified			
c	Length : 50 feet / 15 meter or above			
d	36 AWG copper wire construction			
e	Gold plated contacts			
12	<b>Wireless Lapel Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	2
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz Diversity system: Antenna switching RF output: 10, 20 or 50 mW (depending on frequency band) Audio bandwidth: 40 – 20 000 Hz			

	(+/- 3dB) Tuning range: Up to 30 MHz (depending on frequency band) Max. channels: Up to eight compatible channels within one frequency band Frequency selection: Fixed frequencies Modulation: FM Radio range (Line of sight): 30 meter (with external antennas further distances achievable)			
	WIRELESS BODYPACK TRANSMITTER			
a	Type: Three pin mini XLR connector (female)			
b	Maximum audio level: 12dB			
c	Rated Impedance: 1 Ohms			
d	Audio bandwidth: 40 – 20 000 Hz (+/- 3dB)			
e	Signal to noise: 105 dB-A			
f	THD at 1kHz: 0.8%			
g	Transmitter synchronization: Manual			
h	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			
i	Operating time: Up to eight hours with one AA battery			
<b>13</b>	<b>Wireless Handheld Microphone Set</b>	<b>AKG or equivalent brand of repute</b>	Set	2
a	WIRELESS STATIONARY RECEIVER			
b	Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz Diversity system: Antenna switching RF output: 10, 20 or 50 mW (depending on frequency band) Audio bandwidth: 40 – 20 000 Hz (+/- 3dB) Tuning range: Up to 30 MHz (depending on frequency band) Max. channels: Up to eight compatible channels within one frequency band Frequency selection: Fixed frequencies Modulation: FM Radio range (Line of sight): 30 meter (with external antennas further distances achievable)			



	WIRELESS HANDHELD TRANSMITTER			
a	Microphone capsule: Patented dynamic D5 capsule			
b	Polar pattern: super cardioids			
c	Signal to noise: 105 dB-A			
d	THD at 1kHz: 0.8%			
e	Audio bandwidth: 70 – 20 000 Hz (+/- 3dB)			
f	Transmitter synchronization: Manual			
g	Battery type: AA battery (LR 6 AA alkaline battery or HR 6 AA (NiHM) rechargeable battery)			
h	Operating time: Up to eight hours with one AA battery			
<b>14</b>	<b>18 inch Gooseneck Stem</b>	<b>AKG or equivalent brand of repute</b>	No.	2
a	Bass filter: 250 Hz, -10 dB bei 50 Hz			
b	Impedance: <=600 ohms			
c	Recommended load impedance : >=2,000 ohms			
d	Supply voltage : 9 to 52 V phantom power to DIN/IEC			
e	Powering: <=3.5 mA			
f	Connector : 3-pin male XLR			
g	Finish matte dark grey			
h	Programmable mute switch			
i	High RFI (Radio Frequency Interference) immunity			
j	Integrated LED ring status indicator			
k	Integrated, gold-plated XLR connector			
l	50 Cm Length			
m	Polar pattern: cardioids			
n	Frequency range: 50 to 20,000 Hz			
o	Sensitivity: 20 mV/Pa (-34 dBV) re 1 V/Pa			
p	Max. SPL : 125 dB (for 1 % THD)			
q	Equivalent noise level: 21 dB-A			
r	Signal/noise ratio (A-weighted) : 73 dB			
s	Shock Mount Adaptor			
<b>15</b>	<b>Audio Mixer</b>	<b>Sound Craft equivalent brand of repute</b>	No.	1
<b>16</b>	<b>Line Array Column Speakers , Black</b>	<b>JBL Pro or equivalent brand of repute</b>	No.	10
a	Power Handling (low - Z) : 500 W			
b	Max SPL ; 125 dB (133 dB peak)			
c	Freq. Resp. (-10 dB):60 Hz – 20 kHz			
d	Vertical Coverage: Narrow = 25° asymmetrical			

	Broad = 45° asymmetrical			
e	Sensitivity (SPL @ 1m, 3.3 feet): 98dB			
f	Wall Bracket : Should be Included			
g	Transducers:16 x 1" tweeters, 4 x 5" woofers			
<b>17</b>	<b>Four Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	2
a	Four-channel, 600W @ 4Ω Analog Power Amplifier, 70V/100V			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
<b>18</b>	<b>Dual Channel Audio Power Amplifier</b>	<b>Crown or equivalent brand of repute</b>	No.	1
a	Analog input, 2 channel, 600W per output channel			
b	Frequency Response ( 8 Ohms, 20 Hz - 20 kHz) : +/- 0.25 dB			
c	Signal To Noise Ratio (A-weighted) : > 108 dB			
d	Total Harmonic Distortion (at full rated power, 20 Hz - 20 kHz) : 0.35%			
e	Voltage Gain : 34 dB			
f	Damping Factor (20 Hz to 100 Hz);>1000			
g	Input Impedance (nominal balanced, unbalanced) : 10 kOhms, 5 kOhms			
<b>19</b>	<b>Microphone bulk cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	125
a	Balanced stereo mic or line level audio signals			
b	20 AWG (10/30) tinned copper conductors.			
c	PVC color coded: red/black & green/white.			
d	20 AWG (10/30) tinned copper (in contact with shield)			
e	Aluminum Mylar foil 25% overlap rate.			
f	DC Resistance:-34.6Ω/km (10.5Ω/1000feet).			
g	Capacitance: 89pF/m (27pF/feet).			
h	Impedance: 40 to 100Ω.			
i	Shield Wire with Balance ground			

j	Belden or equivalent brand of repute			
<b>20</b>	<b>Speaker Bulk Cable</b>	<b>Belden or equivalent brand of repute</b>	Meter	400
a	Conductors: 16 AWG, (26/30) bare copper conductors.			
b	Insulation: PVC color coded: red, black.			
c	Conductors:16 AWG (26/30) bare copper conductors. Insulation : PVC color coded: red			
d	DC Resistance: 34.6Ω/km (10.5Ω/1000feet).			
e	Belden or equivalent brand of repute			
<b>21</b>	<b>Various Bulk Cables and Connectors with Accessories</b>	<b>Branded</b>	Lot	1
a	Good Quality Branded Connectors / having ISO / ISI mark			
<b>22</b>	<b>Shielded Cat6 cable</b>	<b>DLink or equivalent brand of repute</b>	Meter	250
a	Four–Pair U/FTP Data Bulk Cable (23AWG)			
b	Outer Jacket Color : Blue			
c	Total Wires : 8			
d	Overall Shield Material : Polyester aluminum tape.			
e	Min. Bend Radius : 35mm.			
f	Impedance : 100 ohm			
g	Dlink / Cisco or equivalent brand of repute			
<b>23</b>	<b>Stereo Audio/Control Cable</b>	<b>Kramer or equivalent brand of repute</b>	Meter	200
<b>24</b>	<b>Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height</b>	<b>Valrack or equivalent brand of repute</b>	Set	1
<b>25</b>	<p>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.</p> <p>a. In this the live streaming is required for display of the events activities of the conference hall.</p> <p>b. The joystick is to provided along with cable for control purpose.</p> <p>The vendor has to provide the recording server with minimum 4 TB capacity</p>	<b>Axis / Pelco or equivalent brand of repute</b>	Set	1
<b>26.</b>	<b>Remote operated curtains / blinds.</b>	<b>Custom</b>	Lumpsum	0

**SECTION- VIII**

**Detail Break up of Cost\*:**

**PART - I:**

**Name of the Bidder:**

**Specify Make:**

**Model:**

**A. Teaching Hall of Madhya Pradesh State Judicial Academy**

S N o	Item Description	Make and Mod el	Unit Pric e (Rs. )	GS T	Unit / Set/ Meter	Total Unit Price (all inclusio n) with five years on site warrant y for items (Rs.)	No. of Items	Total Cost
	1	2	3	4	5	6	7	8=(6x 7)
1	Heavy duty universal Projector mount, black				No.		1	
2	12:9, Matt White Motorized Projection Screen (12X9 Feet)				No.		1	
3	3500 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				No.		1	

	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							
4	55 inches Full HD Monitors / display panels having HD base T wall mount and all accessories.				No.		2	
5.	65 inches Full HD Monitors / display panels having HD baseT with wall mount and all accessories.				No.		1	
6	HDCP Compliant Presentation Switcher with HD BaseT Out along with all accessories.				No.		1	
7	Passive Face plate with HDMI, VGA Audio				No.		2	
8	Digital Podium with Interactive (Touch) Panel				No.		1	
9	VGA To HDMI Converter				No.		2	
10	VGA + Audio patch cable - 6ft or above				No.		2	

11	HDMI patch cable - 6ft or above				No.		4	
12	HDMI patch cable - 50feet / 15 meter or above				No.		5	
13	Wireless Lapel Microphone Set				Set		2	
14	Wireless Handheld Microphone Set				Set		2	
15	18 inch Gooseneck Stem				No.		3	
16	Audio Mixer (minimum 10 channel with 2 aux ports)				No.		1	
17	Speakers , Black				No.		4	
18	Four Channel Audio Power Amplifier				No.		1	
19	Dual Channel Audio Power Amplifier				No.		1	
20	Microphone bulk cable				Meter		125	
21	Speaker Bulk Cable				Meter		400	
22	Various Bulk Cables and Connectors with Accessories				Lot		1	
23	Shielded Cat6 cable				Meter		250	
24	Stereo Audio/Control Cable				Meter		200	
25	Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height				Set		1	
26	Supply installation testing and commissioning				Set		1	

<p>ng of Camera for Live view streaming  <b>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.</b></p> <p>a. In this the live streaming is required for display of the events activities of the conference hall.</p> <p>b. The joystick is to be provided along with cable for control purpose. The vendor has to provide the recording server with minimum 4 TB capacity. Yes the live streaming is required for display of the</p>					
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	events activities of the conference hall. b. yes the joystick is to provided along with cable for control purpose. The vendor has to provide the recording server with minimum 4 TB capacity							
27	Remote operated curtains / blinds.				Lumpsum		-	
28	UHF Antenna to RF Signals for minimum four units, Independent remote half wave omni direction antenna.				No.		1	
							<b>Total Value in Rupees</b>	

Total value (A): \_\_\_\_\_

Part – II . Installation and Commissioning

Cost of Installation, Commissioning	Amount in Rupees

Part-I:-A = \_\_\_\_\_

Part – II :- \_\_\_\_\_

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



**B. Round Table Conference Hall of Madhya Pradesh State  
Judicial Academy.**

S N o	Item Description	Make and Mod el	Unit Pric e (Rs. )	GS T	Unit / Set/ Meter	Total Unit Price (All inclusiv e with five years on site warrant y for items (Rs.)	No. of Items	Total Cost
	1	2	3	4	5	6	7	8=(6x 7)
1	Heavy duty universal Projector mount, black				No.		1	
2	12:9, Matt White Motorized Projection Screen (12X9 Feet)				No.		1	
3	3500 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				No.		1	

	Port, HDMI in, VGA out, VGA in, Wireless Network, 10 Base-T, Wired Network							
4	55 inches Full HD Monitors / display panels having HD baseT with wall mount				No.		2	
5	HDCP Compliant Presentation Switcher with HSBaSeT Out along with all accessories				No.		1	
6	Passive Face plate with HDMI, VGA Audio				No.		2	
7	Digital Podium with Interactive (Touch) Panel				No.		1	
8	VGA To HDMI Converter				No.		1	
9	VGA + Audio patch cable - 6ft				No.		2	
10	HDMI patch cable - 6ft				No.		4	
11	HDMI patch cable - 50feet / 15 meter or above				No.		5	
12	Wireless Lapel Microphone Set				Set		1	
13	Wireless Handheld Microphone Set				Set		2	
14	18 inch Gooseneck Stem				No.		2	
15	Audio Mixer (minimum 10 channel with 2 aux ports)				No.		1	

16	Speakers , Black				No.		4	
17	Four Channel Audio Power Amplifier				No.		1	
18	Dual Channel Audio Power Amplifier				No.		1	
19	Microphone bulk cable				Meter		125	
20	Speaker Bulk Cable				Meter		400	
21	Various Bulk Cables and Connectors with Accessories				Lot		1	
22	Shielded Cat6 cable				Meter		250	
23	Stereo Audio/Contro l Cable				Meter		200	
24	Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height				Set		1	
25	Supply installation testing and commissioni ng 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				Set		1	

	for studio connectivity. CD-audio quality in stereo. Compliance with SMPTE 296M Power supply and wall mount bracket are included. a. In this the live streaming is required for display of the events activities of the conference hall. b. The joystick is to provided along with cable for control purpose.						
26	Remote operated curtains / blinds.				Lumpsum		-
							<b>Total Value in Rupees</b>

Total value (B): \_\_\_\_\_

Part – II . Installation and Commissioning

Cost of Installation, Commissioning	Amount in Rupees

Part-I:-B = \_\_\_\_\_

Part – II :- \_\_\_\_\_

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

**C. High Court of Madhya Pradesh, Bench at Indore.**

S N o	Item Description	Make and Mod el	Unit Pric e (Rs. )	GS T	Unit / Set/ Meter	Total Unit Price (All inclusio n) with Five Years on site warrant y for items (Rs.)	No. of Items	Total Cost
	1	2	3	4	5	6	7	8=(6x 7)
1	Heavy duty universal Projector mount, black				No.		1	
2	220 Inch Diagonal , 16:9, Matt White Motorized Projection Screen (16X9 Feet)				No.		1	
3	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,				No.		1	

	<b>Composite in, Display Port, HDMI in, VGA out, VGA in, Wireless Network, 10 Base-T, Wired Network</b>							
<b>4</b>	<b>55 inches Full HD Monitors / display panels having HD baseT with wall mount and all accessories</b>				No.		2	
<b>5</b>	<b>HDCP Compliant Presentation Switcher with HSBaSeT Out along with all accessories</b>				No.		1	
<b>6</b>	<b>Passive Face plate with HDMI, VGA Audio</b>				No.		3	
<b>7</b>	<b>Digital Podium with Interactive (Touch) Panel</b>				No.		1	
<b>8</b>	<b>VGA To HDMI Converter</b>				No.		1	
<b>9</b>	<b>VGA + Audio patch cable - 6ft or above</b>				No.		3	
<b>10</b>	<b>HDMI patch cable - 6ft or above</b>				No.		5	
<b>11</b>	<b>HDMI patch cable - 50feet / 15 meter or above</b>				No.		5	
<b>12</b>	<b>Wireless Lapel Microphone Set</b>				Set		2	
<b>13</b>	<b>Wireless Handheld Microphone Set</b>				Set		2	
<b>14</b>	<b>18 inch Gooseneck Stem</b>				No.		2	

15	Audio Mixer				No.		1	
16	Line Array Column Speakers , Black				No.		10	
17	Four Channel Audio Power Amplifier				No.		2	
18	Dual Channel Audio Power Amplifier				No.		1	
19	Microphone bulk cable				Meter		125	
20	Speaker Bulk Cable				Meter		400	
21	Various Bulk Cables and Connectors with Accessories				Lot		1	
22	Shielded Cat6 cable				Meter		250	
23	Stereo Audio/Control Cable				Meter		200	
24	Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height				Set		1	
25	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				Set		1	

	<p>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.</p> <p>a. In this the live streaming is required for display of the events activities of the conference hall.</p> <p>b. The joystick is to provided along with cable for control purpose. The vendor has to provide the recording server with minimum 4 TB capacity</p>							
26	Remote operated curtains / blinds.				Lumpsum		-	
							<b>Total Value in Rupees</b>	

Total value (C): \_\_\_\_\_

Part – II . Installation and Commissioning

Cost of Installation, Commissioning	Amount in Rupees

Part-I:-C = \_\_\_\_\_

Part – II :- \_\_\_\_\_

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



**D. High Court of Madhya Pradesh, Bench at Gwalior.**

S N o	Item Description	Make and Mod el	Unit Pric e (Rs. )	GS T	Unit / Set/ Meter	Total Unit Price (All inclusiv e) with Five Years on-site warrant y for items (Rs.)	No. of Items	Total Cost
	1	2	3	4	5	6	7	8=(6x 7)
1	Heavy duty universal Projector mount, black				No.		1	
2	220 Inch Diagonal , 16:9, Matt White Motorized Projection Screen (16X9 Feet)				No.		1	
3	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,				No.		1	

	BNC in, Composite in, Display Port, HDMI in, VGA out, VGA in, Wireless Network, 10 Base-T, Wired Network							
4	55 inches Full HD Monitors / display panels having HD baseT with wall mount and all accessories				No.		2	
5	HDCP Compliant Presentation Switcher with HSBASET Out along with all accessories				No.		1	
6	Passive Face plate with HDMI, VGA Audio				No.		3	
7	Digital Podium with Interactive (Touch) Panel				No.		1	
8	VGA To HDMI Converter				No.		1	
9	VGA + Audio patch cable - 6ft or above				No.		3	
10	HDMI patch cable - 6ft or above				No.		5	
11	HDMI patch cable - 50feet / 15 meter or above				No.		5	
12	Wireless Lapel Microphone Set				Set		2	
13	Wireless Handheld Microphone Set				Set		2	

14	18 inch Gooseneck Stem				No.		2	
15	Audio Mixer				No.		1	
16	Line Array Column Speakers , Black				No.		10	
17	Four Channel Audio Power Amplifier				No.		2	
18	Dual Channel Audio Power Amplifier				No.		1	
19	Microphone bulk cable				Meter		125	
20	Speaker Bulk Cable				Meter		400	
21	Various Bulk Cables and Connectors with Accessories				Lot		1	
22	Shielded Cat6 cable				Meter		250	
23	Stereo Audio/Contro l Cable				Meter		200	
24	Standard AV rack with 600mm Width, 800 mm Outer Depth and 42U Height				Set		1	
25	Supply installation testing and commissioni ng 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"				Set		1	

	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. a. In this the live streaming is required for display of the events activities of the conference hall. b. The joystick is to provided along with cable for control purpose. The vendor has to provide the recording server with minimum 4 TB capacity						
26	Remote operated curtains / blinds.				Lumpsum		-
							<b>Total Value in Rupees</b>

Total value (D): \_\_\_\_\_

**Part – II . Installation and Commissioning**

Cost of Installation, Commissioning	Amount in Rupees

Part-I:-D = \_\_\_\_\_

Part – II :- \_\_\_\_\_

TOTAL Amount / BID VALUE in Rupees :

(I +II) = \_\_\_\_\_

(A+B+C+D) + (including installation & commissioning)

Total Bid Price in Rs. \_\_\_\_\_

In words \_\_\_\_\_

Signature of Bidder with seal \_\_\_\_\_

Name \_\_\_\_\_

Business address \_\_\_\_\_

Tel. No. & Mobile No. \_\_\_\_\_

Email : \_\_\_\_\_

Place :

Date:

**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 High Court of Madhya Pradesh Bench at Indore, Gwalior & Madhya Pradesh State Judicial Academy, Jabalpur.**

**(4) Before attending the pre-bid meeting the bidders may visit High Court of Madhya Pradesh Bench at Indore, Gwalior & Madhya Pradesh State Judicial Academy, Jabalpur during office hours on all working days in order to understand the nature / scope of work.**

**Form: PQ-1**

**Techno-commercial Bid**

<b>Sl. No.</b>	<b>Description</b>	<b>Indicate also page number where attached</b>
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 and <b>Copy of previous 3 Financial Year's Income Tax Return.</b>	
6.	Valid ISO Certificate <b>(Please attach copy) of the products</b>	
7.	GST Registration No. (Please attach)	
8.	Latest GST 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. five  
crore during the last three financial years.

SI 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 audio video system for the High Court of Madhya Pradesh, Bench at Indore, Gwalior and 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	<b><u>Pg. No. on the Proposal</u></b>

**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.

<b>Sl. No.</b>	<b>Clause no.</b>	<b>Complied / Not complied</b>

**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.

<b>Sl. No.</b>	<b>Section No.</b>	<b>Clause No</b>	<b>Clause Descript</b>	<b>Non Compliance/ Partial Compliance</b>	<b>Remarks</b>

**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 ..... 2018**

**Name and Signature** .....

**In the capacity of** .....

**Duly authorized 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 High Court of Madhya Pradesh, 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)*