



अखिल भारतीय आयुर्विज्ञान संस्थान भोपाल

**Office of the Superintending Engineer, Project Cell, MoHFW,
Block No. 10, Hospital Building, AIIMS, Saket Nagar, Bhopal.**

e-mail: se@aiimsbhopal.edu.in, Phone : 0755-2900697

NOTICE INVITING TENDER

Vide TS No.	:	01/TS/SE/Project Cell/AIIMS/BPL/2018-19
Notice Inviting Tender No.	:	02/SE(E)/ABEU/AIIMS/BPL/2017-18
Name of Work	:	Supplying, Installation, Testing and Commissioning of Sound Reinforcement System for Auditorium at AIIMS Bhopal.
Estimated Cost	:	2,50,23,956/-
Earnest Money	:	5,00,479/- (2% of Estimated Cost)
Performance Guarantee	:	5% of Tender Value
Security Deposit	:	2.5% of Tender Value
Time Allowed	:	04 (Four) Months.

Certified that this N.I.T. contains 01 to 48 Pages (One to Forty Eight)

Assistant Engineer (P),
ABEU, AIIMS Bhopal

Executive Engineer
ABEU, AIIMS Bhopal

This N.I.T. is approved for **Rs. 2,50,23,956/-** (Rupees Two Crore Fifty Lakh Twenty Three Thousand Nine Hundred Fifty Six Only)

Superintending Engineer,
ABEU, AIIMS Bhopal

INDEX

Name of work: - **“Supplying, Installation, Testing and Commissioning of Sound Reinforcement System for Auditorium at AIIMS Bhopal.”**

Serial No.	Contents	Page No.	Remarks
1	Index	1 to 2	
	<u>PART - A</u>		
2.	Press Tender Notice	3 to 4	
3.	Information and instructions for Contractors	5 to 7	
4.	Notice inviting tender (CPWD - 7)	8 to 12	
5.	Integrity Pact	13 to 20	
6.	Tender and contract	21 to 22	
8.	Schedule “A” to “F” (Electrical)	23 to 28	
9.	<u>Annexure-A</u>		
	Form of Earnest Money Deposit (Bank Guarantee Bond)	29 to 30	
10.	Particulars Specifications & Terms Conditions	31 to 36	
11.	Technical Specifications - Sound Reinforcement System	37 to 42	
11.	Schedule of Work	43 to 48	

Certified that this bid document contains pages 1 to 48 (One to Forty Eight)

Assistant Engineer (P),
ABEU, AIIMS Bhopal

Executive Engineer
ABEU, AIIMS Bhopal

This N.I.T. is approved for **Rs. 2,50,23,956/-** (Rupees Two Crore Fifty Lakh Twenty Three Thousand Nine Hundred Fifty Six Only)

Superintending Engineer,
ABEU, AIIMS Bhopal

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

AE(P)

EE(P)



BLANK

**ABEU AIIMS BHOPAL
NOTICE INVITING e-TENDER**

PRESS NOTICE FOR NEWS PAPER

Executive Engineer (E) AIIMS Bhopal on behalf of Director AIIMS, Bhopal invites percentage rate bids from approved & eligible bidders meeting the NIT criteria in Two Bid System for the following work:

NIT No. 02/SE/Project Cell/AIIMS/BPL/2018-19,

Name of work: - Supplying, Installation, Testing and Commissioning of Sound Reinforcement System for Auditorium at AIIMS Bhopal.

Estimated Cost: Rs. 2,50, 23,956/- Earnest Money: - Rs. 5,00,479/-

Period of completion: - 04 Months, Last time and date of submission of bid: Up to 03.00 PM on 30/11/2018.

The Bid forms and other details can be obtained from the website www.tenderwizard.com/AIIMSBHOPAL, www.aiimsbhopal.edu.in and www.eprocure.gov.in.



BLANK

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE (APPLICABLE FOR INVITING BIDS ON TWO BID SYSTEM)

The Executive Engineer (E), AIIMS Bhopal on behalf of the Director (AIIMS) Bhopal invites Percentage Rate Bids from Approved & Eligible agencies meeting the NIT criteria in Two Bid System for the following work:

Sr. No.	NIT No.	Name of work & Location	Estimated Cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, original EMD, copy of receipt for deposition of original EMD and other documents as specified in the Press Notice	Time & Date of opening of Technical Bid	Time & Date of opening of Price Bid
1	2	3	4	5	6	7	8	
1	02/SE/project Cell/AIIMS/BPL/ 2018-19	Supplying, Installation, Testing and Commissioning of Sound Reinforcement System for Auditorium at AIIMS Bhopal	₹ 2,50,23,956/-	₹ 5,00,479/-	04 Months	Up to 3:00 PM on 30/11/2018	Up to 3:00 PM on 30/11/2018	-----

1. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
 - a. Should have satisfactorily completed the works as mentioned below during the last Seven years ending **previous day of last date of submission of bids**.
 - i. One similar work costing not less than ₹ 200.19 Lakhs
 - ii. Two similar works each costing not less than ₹ 150.14 Lakhs
 - iii. Three similar works each costing not less than ₹ 100.09 Lakhs.
 - iv. Similar work means “SITC OF SOUND REINFORCEMENT SYSTEM”. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of bids.
 - b. Should have had average annual financial turnover of ₹ 135.00 Lakh on works during the immediate last three consecutive financial years. (Scanned copy of Certificate from CA to be uploaded).
 - c. Should not have incurred any loss in more than two years during the last five years ending 31st March 2018.

2. The intending bidder must read the terms and conditions of **CPWD-7** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form of bid document.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from **website www.tenderwizard.com/AIIMSBHOPAL, www.aiimsbhopal.edu.in and www.eprocure.gov.in**
5. But the bid can only be submitted after **deposition of original EMD in the office of Executive Engineer (E), ABEU AIIMS BHOPAL inviting bids within the period of bid submission** and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker`s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any scheduled Bank towards EMD in favour of **Director AIIMS BHOPAL** and other documents as specified.
6. The rates quoted by bidders are inclusive of all taxes & GST. **(Breakup of base price and all discounts/ taxes to be shown)**
7. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
8. The intending bidder must have valid *class-I/Class-II/Class-III digital signature* to submit the bid.
9. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
10. Contractor can upload documents in the form of **JPG** format and **PDF** format.
11. **Certificate of Financial Turn over:** At the time of submission of bid contractor may upload Affidavit/ Certificate from **C.A.** mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
12. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in Grey colour. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as **“0” (ZERO)**. Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as **“0” (ZERO)**. **However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section / subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.**
13. The PQ bid will be opened first on due date and time as mentioned above. **The time & date of opening of financial bid of contractors qualifying the eligibility bid will be communicated to them a later date.**
14. **Pre Bid conference** shall be held in the chamber of **E.E. AIIMS, Bhopal** at **11:00 AM** on **22/11/2018** to clear the doubt of intending bidders, if any.

15. When bids are invited in Two stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. **The entire system of sound reinforcement system shall be maintained comprehensively by the manufacturer/ Authorized service agency only and certificate in their regard should be submitted by the agency along with PQ Documents.**
18. **List of Documents to be scanned and uploaded within the period of bid submission:**
 - I. Contractor Enlistment Order/ Registration in concerned department as specified in the NIT.
 - II. Valid Electrical Contractor License or Undertaking that they will either obtain valid Elect. License at the time of execution of Electrical Work
 - III. Treasury Challan/Demand Draft/Pay order or banker's Cheque/Deposit at call receipt/Bank guarantee of any scheduled Bank against EMD.
 - IV. Certificates of work experience, to be issued by office of the rank not below Executive Engineer.
 - V. Certificate of Financial Turnover from CA.
 - VI. Bank Solvency Certificate.
 - VII. Any other Document as specified in the Press Notice.
 - VIII. Certificate of registration for GST and acknowledgement of up to date filed returns (if applicable).
 - IX. **Scan Copy of Original EMD in favor of Director AIIMS BHOPAL**
 - X. **Copy of PAN Card issued by Income Tax Department.**
 - XI. **Postal Address, Mobile No. and e-mail ID of bidder.**
 - XII. **Undertaking for site inspection [Intending bidders must upload undertaking that they have inspected and examined the site and its surrounding before submitting their bids. (As per CPWD 7 Point No. 2.3)]**

**Executive Engineer (E)
ABEU, AIIMS Bhopal**

AIIMS, BHOPAL
Notice Inviting Tender

1. **The Executive Engineer (E), AIIMS Bhopal** on behalf on behalf of the **Director (AIIMS) Bhopal** invites Percentage Rate Bids from Approved & Eligible Agencies meeting the NIT criteria in **Two Bid System** for the work of “**Supply, Installation, testing and commissioning of Sound Reinforcement System for Auditorium at AIIMS, Bhopal.**”

The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of composite bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

The work is estimated to Composite **Cost of: Rs. 2,50,23,956/-** This estimate, however, is given merely as a rough guide.

- 1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

- 1.2 Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

2. Criteria of eligibility for submission of bid documents

2.1. Criteria of eligibility for non-CPWD contractors :

- 2.1.1. One similar work costing not less than ₹ **200.19 Lakh**
2.1.2. Two similar works each costing not less than ₹ **150.14 Lakh**
2.1.3. Three similar works each costing not less than ₹ **100.09** in last 7 (Seven) Years ending previous day of Last date of submission of Bids.

- 2.2. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of bids. This is applicable for 2.1 (This is not applicable for CPWD enlisted contractors of appropriate class in composite category). Similar work means **“SITC OF SOUND REINFORCEMENT SYSTEM”**

To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:-

- 2.3 I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid).

- 2.4 **When bids are invited from Non CPWD/MES/PWD contractors**, as per the provisions of clause 2.2, it will be mandatory for Non-CPWD contractors to upload the work experience certificate(s) and affidavit as per the provisions of clause 1.2.2. But for such bids, Class-I A and

above registered contractors of composite category of CPWD/MES/PWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore, CPWD/MES/PWD class-I A and above registered contractors of composite category of CPWD/MES/PWD shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.

3. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 amended up to **DG/CON/302 dated 09/02/2018** which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
4. The time allowed for carrying out the work will be **04 (four) Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

5. **The site for the work is available.**

The architectural and structural drawings shall be made by successful bidder and got approved and vetted from IIT/NIT/Sates govt. institutes.

6. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website [www.tenderwizard.com/AIIMS BHOPAL](http://www.tenderwizard.com/AIIMS_BHOPAL), www.aiimsbhopal.edu.in and www.eprocure.gov.in free of cost.
7. After submission of the bid the contractor can re-submit revised bid any number of times but before last date and time of submission of bid as notified.
8. While submitting the revised bid, contractor can revise the quoted rates but before last date and time of submission of bid as notified.
9. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

10. Earnest Money in the form of Treasury Challan or Demand Draft or Pay Order or Banker`s Cheque or Deposit at Call Receipt or Fixed Deposit Receipt of a Scheduled Bank (drawn in favour of **Director, AIIMS Bhopal**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

The original EMD should be deposited in the office of Executive Engineer, inviting bids within the period of bid submission.

A part of earnest money is acceptable in the form of Bank Guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Scheduled Bank having validity for **120 (One Hundred Twenty) days** or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

bidders, whose original EMD deposited with office of E.E.(E) AIIMS Bhopal and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at **03.30 PM on 30/11/2018**

11. The contractors registered prior to 01.04.2015 on e-tendering portal of tender wizard shall have to deposit tender processing fee at existing rates or they have option to switch over to the new registration system without tender processing fee any time.
12. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
 - a) **The bidder is found ineligible.**
 - b) **The bidder does not deposit original EMD Executive Engineer (E), AIIMS Bhopal.**
 - c) **The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.**
 - d) **If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.**
 - e) **If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section /sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.**
13. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call Receipt of any Scheduled Bank/Banker's Cheque of any Scheduled Bank/Demand Draft of any Scheduled Bank/Pay Order of any Scheduled Bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. **The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any, engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F.**

14. **The description of the work is as follows:-**

“Supplying, Installation, Testing and Commissioning of Sound Reinforcement System for Auditorium at AIIMS Bhopal.”

- Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
15. The competent authority on behalf of the **Director, AIIMS Bhopal** does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
 16. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
 17. The competent authority on behalf of **Director, AIIMS Bhopal** reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
 18. The contractor shall not be permitted to bid for works in the AIIMS Bhopal responsible for award and execution of contracts, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the AIIMS Bhopal. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
 19. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor’s service.
 20. The bid for the works shall remain open for acceptance for a period of **Sixty (60) days** from the date of opening of **PQ bid** in case bids are invited on two envelop system (strike out as the case may be). If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, **then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest**

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

money as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.

21. This Notice Inviting Bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of : -

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence & negotiation leading thereto.
- b) Standard C.P.W.D. Form 7 amended up to **DG/CON/302 dated 09/02/2018** or other Standard C.P.W.D. Form as applicable.
- c) Standard C.P.W.D. General Condition of Contract 2014 with upto date correction slips up to **DG/CON/302 dated 09/02/2018**

INTEGRITY PACT

To,

NIT No. 02/SE/Project Cell/ AIIMS/BPL/2018-19

For the work of :- “Supply, Installation, testing and commissioning of Sound Reinforcement System for Auditorium at AIIMS, Bhopal”

Dear Sir,

It is here by declared that **AIIMS Bhopal** is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender / bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the **AIIMS Bhopal**.

Yours faithfully,

Executive Engineer (E)

To,

The Executive Engineer (E)

ABEU, AIIMS BHOPAL.

NIT No. 02/SE/Project Cell/ AIIMS/BPL/2018-19

For the work of :- “Supply, Installation, testing and commissioning of Sound Reinforcement System for Auditorium at AIIMS, Bhopal”

Dear Sir,

I / We acknowledge that AIIMS is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I / We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that **THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE** of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, AIIMS shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

To be signed by the bidder and same signatory competent / authorised to sign the relevant contract on behalf of AIIMS Bhopal.

INTEGRITY AGREEMENT

This Integrity Agreement is made at on this day of..... 20

BETWEEN

Director, AIIMS Bhopal represented through Executive Engineer (E), ABEU, AIIMS Bhopal,
(Name of Division)
AIIMS, , (Hereinafter referred as the
(Address of Division)

'Principal / Owner', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

(Name and Address of the Individual/firm/Company)
through.....(hereinafter referred to as the
(Details of duly authorized signatory)

“Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal /Owner has floated the Tender **(NIT No. 02/SE/Project Cell/AIIMS/BPL/2018-19)**) (hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for **“Supply, Installation, testing and commissioning of Sound Reinforcement System for Auditorium at AIIMS, Bhopal”** here in after referred to as the “Contract”.

AND WHEREAS the Principal / Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal / Owner

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal / Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal / Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder (s) / Contractor (s)

- 1) It is required that each Bidder / Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

- 2) The Bidder(s) / Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal / Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

The Bidder(s) / Contractor (s) will not enter with other Bidder (s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

- b) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s) / Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - c) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents / representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
 - d) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose (with each tender as per Performa enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
 - 4) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake / forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
 - 5) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal / Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder / Contractor accepts and undertakes to respect and uphold the Principal / Owner's absolute right:

- 1) If the Bidder (s) / Contractor(s), either before award or during execution Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

Contractor(s) from the Tender process or terminate / determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/ Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

2) Forfeiture of EMD / Performance Guarantee / Security Deposit:

If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder / Contractor.

3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holding listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- 1) The Bidder(s) / Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder / Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub- contractors/sub-vendors.
- 2) The Principal / Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal / Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor / Vendor 03 Months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority of AIIMS Bhopal.

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **AIIMS** of the Principal / Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement/ Pact or interpretation** there of shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender / Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal/Owner)

(For and on behalf of Bidder/Contractor)

WITNESSES:

1. (Signature, name and address)
2. (Signature, name and address)

Place: -

Dated: -

निविदा TENDER

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ, ङ, और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

I/We have read and examined the notice inviting tender, schedule, A,B,C,D,E & F, specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

मैं/हम, एतत् द्वारा **निदेशक अ.भा.आ.सं.** के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा—मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम—1 और ठेके की शर्तों के खंड—11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरूप निष्पादन हेतु निविदा देता हूँ/देते हैं।

I/We hereby tender for the execution of the work specified for the **Director AIIMS** within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **Sixty (60) days** from the due date of opening of technical bid and not to make any modification in its terms and conditions.

₹ 5,00,479/- की धनराशि, धरोहर राशि के रूप में ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/ अनुसूचित बैंक की सावधी जमा रसीद /अनुसूचित बैंक का डिमांड ड्राफ्ट/ अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रूप में इसके साथ भेजी जा रही है। यदि मैं / हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि **निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान भोपाल** या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/हम विनिर्दिष्ट कार्य प्रारंभ करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि **निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान भोपाल** या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खण्डों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति—निपेक्ष के रूप में रोक ली जाएगी। इसके अतिरिक्त मैं/हम सहमत हैं कि बयाना राशि या बयाना राशि तथा उपर्युक्त निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

A sum of **₹5,00,479/-** is hereby forwarded in Cash/ Receipt Treasury Challan/ Deposit at Call Receipt of a Scheduled Bank/ Fixed Deposit Receipts of a Scheduled Bank/ Demand Draft of a Scheduled Bank/ Bank Guarantee issued by a Scheduled Bank as earnest money. A copy of the earnest money in Receipt Treasury Challan/ Deposit at Call Receipt of a Scheduled Bank/ Fixed Deposit Receipts of a Scheduled Bank/ Demand Draft of a Scheduled Bank/ Bank Guarantee issued by a Scheduled Bank is scanned and uploaded (**strike out as the case may be**). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said Director, AIIMS Bhopal or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director, AIIMS Bhopal or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. **Further, I/we agree that in case of forfeiture of earnest money or performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.**

I/We undertake and confirm that eligible similar work(s) has / have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in AIIMS Bhopal in future forever. Also, if such a violation comes to the notice of Department before date of start of work, The Engineer – in – Charge shall be free to forfeit the entire amount of Earnest Money Deposited / Performance Guarantee.

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

मैं/हम एतत् द्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखों को गुप्त/गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हो, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

तारीख Dated #.....

टेकेदार के हस्ताक्षर Signature of Contractor#

डाक का पता Postal Address#

साक्षी Witness : #

पता Address: #

उपजीविका Occupation : #
applicable

To be filled in by the contractor/witness as applicable

स्वीकृति ACCEPTANCE

मैं निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान भोपाल की ओर से तथा उनके लिए ₹ (रूपए ') की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूँ।

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the Director AIIMS for a sum of ₹. _____

(Rupees _____)

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

The letters referred to below shall form part of this contract Agreement:-

a)

b)

c)

निदेशक अ.भा.आ.सं. की ओर से तथा उनके लिए

For & on behalf of the Director AIIMS

हस्ताक्षर Signature

तारीख Dated

पदनाम Designation

अनुसूचियां SCHEDULES

अनुसूची 'क' SCHEDULE 'A'
मात्राओं की अनुसूची (सलग्न)

Schedule of quantities (As per PWD-3) (Enclosed)

Page No. 43 to 48 (Enclosed)

अनुसूची 'ख' SCHEDULE 'B'

टेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची

Schedule of materials to be issued to the contractor.

क्रम. सं. S.No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियां टेकेदार को प्रभारित होगी वह दर अंकों एवं शब्दों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of Issue
1	2	3	4	5
NIL				

अनुसूची 'ग' SCHEDULE 'C'

टेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

क्रम सं. Sl. No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4
NIL			

अनुसूची 'घ' SCHEDULE 'D'

कार्य के लिए विशेष अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची

Extra schedule for specific requirements/documents for the work, if any. -----Nil-----

अनुसूची (इ) SCHEDULE 'E'

<p>1. टेके की सामान्य शर्तों का संदर्भ Reference to General Conditions of contract</p> <p>कार्य का नाम Name of work :</p> <p>कार्य की अनुमानित लागत Estimated cost of work</p> <p>(i) धरोहर राशि Earnest money: Guarantee)</p> <p>(ii) निष्पादन गारंटी Performance guarantee : प्रतिशत</p> <p>(iii) प्रतिभूति निक्षेप: Security Deposit:</p>	<p>General Conditions of Contract for CPWD Works, 2014 amended upto DG/CON/302 dated 09/02/2018</p> <p>Supply, Installation, testing and commissioning of Sound Reinforcement System for Auditorium at AIIMS, Bhopal.</p> <p>₹ 2,50,23,956/-</p> <p>₹ 5,00,479/- (To be returned after receiving Performance</p> <p>5% of tendered value. निविदित मूल्य का 5</p> <p>2.5% of tendered Value</p>
--	--

अनुसूची 'च' SCHEDULE 'F'

<p>सामान्य नियम एवं दिशानिर्देश: General Rules & Directions: निविदा आमंत्रण करने वाला प्राधिकारी Officer inviting tender - कार्य की मर्दों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक निष्पादित मर्दों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के अनुसार होगा Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.</p> <p>Definitions: 2(v) भारसाधक इंजीनियर Engineer-in-Charge</p> <p>2(viii) स्वीकार कर्ता प्राधिकारी Accepting Authority Bhopal</p> <p>2(x) अतिरिक्त और लाभों को पूरा करने के लिए श्रम एवं सामग्रियों की लागत पर प्रतिशतता Percentage on cost of materials and labour to cover all overheads and profits.</p> <p>2(xi) दरों की मानक अनुसूची Standard schedule of Rates</p> <p>slips</p> <p>2(xii) विभाग Department</p> <p>9(ii) मानक के.लो.नि.वि. टेका फार्म Standard CPWD contract Form</p>	<p>EXECUTIVE ENGINEER (E) AIIMS Bhopal</p> <p>निम्नानुसार</p> <p>see below</p> <p>For Civil Component: EXECUTIVE ENGINEER (E) AIIMS Bhopal</p> <p>SUPERINTENDING ENGINEER AIIMS</p> <p>15% (Fifteen per cent)</p> <p>Delhi Schedule of Rate 2016(Civil) with correction issued up to date of receipt of tender.</p> <p>ABEU AIIMS BHOPAL</p> <p>CPWD Form 7 (Print edition -2014) as modified & corrected up to DG/CON/ 298 dated 29.09.2017</p>
---	--

खण्ड Clause 1

- (i) स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय
Time allowed for submission of performance guarantee, programme chart (Time & Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying thereof : from the date of issue of letter of acceptance : **7 days.**
- (ii) (उपर्युक्त i) में दी गई अवधि के पश्चात् अधिकतम अनुमय एक्सटेंशन
Maximum allowable extension with late fee @ 0.10% per day of performance guarantee amount beyond the period as provided in (i) above : **7 days.**

खण्ड Clause 2

खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी
Authority for fixing compensation under clause 2

Superintending Engineer, AIIMS Bhopal

खण्ड Clause 2A

क्या खण्ड 2 क लागू होगा

Whether clause 2A shall be applicable

Yes

खण्ड Clause 5

कार्य आरंभ की तारीख की गणना के लिए स्वीकृति पत्र के जारी होने की तारीख से दिनों की संख्या
No. of days from the date of issue of letter of acceptance for reckoning date of start

14 days

Schedule of handing over the site
Schedule of issue of Designs

complete site is ready for work
drawing and design shall be prepared by bidder

Nature of Hindrance Register
(either Physical or Electronic)

Physical

लक्ष्य नीचे दी गई सारणी के अनुसार
Milestone(s) : - As per Table given below

लक्ष्य (मील-पत्थर) सारणी
Table of milestone(s)

Table of Mile stones:

Sl. No.	Description of Mile stone (Financial)	Time allowed in Months (From date of start) for achieving milestone	Amount to be withheld in case of Non-achievement of each mile stone
1.	1/4	01 Months	1.00%
2.	2/4	02 Months	1.00%
3.	3/4	03 Months	1.50%
4.	Full	04 Months	1.50%

NOTE:

1. Withheld amount shall be released if and when subsequent milestone is achieved within respective time specified. However, in case milestones are not achieved by the Bidder for the work, the amount shown against milestone shall be withheld.
2. Intending bidder may submit phasing of activities/milestones based on their resources and methodology at the time of bidding corresponding to ~~physical milestones~~/ financial milestone/stages indicated in the above table. These shall be formed part of the agreement after approval of the accepting authority, otherwise it would be assumed that agency agrees with the above mentioned ~~physical~~ / financial milestones.

Time allowed for execution of work : **03 Months**
for execution of original work)

Authority to decide

- (i) Extension of Time
- (ii) Rescheduling of mile stones
- (iii) Shifting of date of start in case of delay in handing over of site

Executive Engineer (E), AIIMS Bhopal
Superintending Engineer, AIIMS Bhopal
Superintending Engineer, AIIMS Bhopal

खण्ड Clause 6, 6A

खंड लागू-(6 या 6 क) Clause applicable

6A

खण्ड Clause 7

अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य Gross work to be done together with net Payment/adjustment of advances for Material collected, if any since the last Such payment for being eligible to interim Payment

50 LAKH

खण्ड 7 क Clause7A

Weather clause 7 A shall be applicable

Yes

(No running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-charge)

खण्ड 10 क Clause10A

कार्यस्थल प्रयोगशाला में टेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची

List of testing equipment to be provided by the contractor at site lab.

As required

खण्ड Clause10B(ii)

क्या खण्ड 10 ख (ii) लागू होगा

Whether clause 10B (ii) shall be applicable

Yes

खण्ड Clause10C

Component of labour expressed as

25%

खण्ड Clause10CA

NA

खण्ड Clause10CC

: **Not Applicable**

खण्ड Clause 11

कार्य निष्पादन के लिए अनुपालन

Specifications to be followed for execution of work

For Civil : CPWD Specification 2009, Volume-I & II with correction slips upto date of receipt of tender.

खण्ड Clause 12 Type of Work

Original Work

12.2 & 12.3

विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे

Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work (Other than foundation)

30%

12.5

(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)

30%

12.6

(ii) Deviation limit for items in earth work subhead of DSR or related items

100%

खण्ड Clause 16

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी
Competent Authority for deciding
Reduced rates

**Superintending Engineer, AIIMS,
Bhopal**

खण्ड Clause 18

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य
मशीनरी औजार एवं सयंत्रों की सूची :-
List of mandatory machines, tools and
plants to be deployed by the contractor at site.

as required

खण्ड Clause 25

Place of arbitration

To be decided by competent authority at the
time of appointment of Arbitrator.

For Total Claim upto Rs. 25 Lakhs

Designation	Constitution of Dispute Redressal Committee (DRC)
Chairman	Dpty. Director AIIMS Bhopal
Member	F.A. AIIMS Bhopal
Member Secretary	Superintending Engineer AIIMS Bhopal
Presenting Officer	Executive Engineer, AIIMS Bhopal Bhopal

For Total Claim above Rs. 25 Lakhs

Designation	Constitution of Dispute Redressal Committee (DRC)
Chairman	Director AIIMS Bhopal
Member Secretary	Dpty. Director AIIMS Bhopal
Member	F.A. AIIMS Bhopal
Presenting Officer	Superintending Engineer,

खण्ड Clause 31

Whether clause 31 shall be applicable

YES

खण्ड Clause 36(i)

Whether clause 31 shall be applicable

YES

S.NO	Requirement of Technical staff	Nos.	Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
1	Graduate Or Diploma	1 (Electrical)	2 Or 5 respectively	Engineer (Electrical)	Rs. 15,000/- per month per person	Rs. Fifteen Thousand per month per person

खण्ड Clause 42

I) क)	सीमेन्ट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए अनुसूची / विवरण	केलोनवि द्वारा मुद्रित दिल्ली दर अनुसूची 2016 के आधार पर
I) (a)	Schedule/statement for determining Theoretical quantity of cement & Bitumen	On the basis of Delhi Schedule of Rates 2016 printed by C.P.W.D. with correction issued up to date of receipt of tender.
II)	अनुमानमूलक मात्राओं में अनुमत्य विचलन Variations permissible on theoretical quantities.	
क)	सीमेन्ट जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक न हो	
a)	Cement for works with estimated cost put to tender not more than Rs. 5 lakhs	Not Applicable
	जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक हो for works with estimated cost put to tender more than Rs. 5 lakhs	2 प्रतिशत जमा / घटा 2 % plus/minus.
ख)	बिटुमन सभी कार्यों के लिए	2.5 प्रतिशत केवल जमा और घटा के पक्ष में शून्य
b)	Bitumen for all works	2.5% plus only & Nil on minus side.
ग)	इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए पूनर्वलन और संरचनात्मक इस्पात काट	2 प्रतिशत जमा / घटा
c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	2% plus/minus
घ)	सभी अन्य सामग्रियां	शून्य
d)	All other materials	Nil.

अनुमत्य विचलन से अधिक की मात्राओं के लिए वसूली दरें
RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

क्रम सं. Sl No.	मद विवरण Description of item	अंको और शब्दों में वह दर जिस पर ठेकेदार से वसूली की जाएगी Rates in figures and words at which recovery shall be made from the Contractor	
		अनुमत्य विचलन से अधिक आधिक्य Excess beyond Permissible variation	अनुमत्य विचलन से अधिक उपयोग घटाया Less use beyond the permissible variation
1.	सीमेन्ट Cement	N.A.	Not Permitted
2.	ईस्पात Steel Reinforcement	N.A.	Not Permitted

FORM OF EARNEST MONEY DEPOSIT (BANK GUARANTEE BOND)

WHEREAS, contractor (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20... .

THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date.* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

SIGNATURE OF THE BANK

WITNESS

SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of **120** days for Two Bid System from last date of receipt of tender.



BLANK

GENERAL TERMS AND CONDITIONS

1. Any damage done to the man, machine and building during the execution of work shall be the responsibility of the contractor and same will have to be made good promptly by the contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.
2. The electrical work shall be executed in close coordinated manner with client department. No claim for idle labour will be admissible.
3. Conduit layout drawing shall be got approval by Engineer -in-charge before laying of conduit.
4. **Watch and ward:-**
 - (a) Watch & ward for the installations, materials, including materials supplied by the department shall be responsibility of the contractor till the installations / left over materials are finally taken over by the department. Nothing shall be payable on this account separately as this is deemed to be included within scope of work
5. **Completeness of tender:-**
 - (a) Statutory deduction of “Contract Tax” at source shall be made while releasing payment through running / final bills. A certificate specifying the rate and amount of deduction shall however be issued.
 - (b) No. form ‘D’, form 31/32 (Road Permit) shall be issued by the department.
6. **Conformity to specifications:-**
 - I) The work shall be carried out strictly in accordance with C.P.W.D. specifications for electric works 2013 (Internal) and 1994 (External), Part VII DG Ste – 2013, & Air conditioning (HVAC) – 2017 as amended up to dated and also in accordance with the Indian Electricity Rules 1956 and Indian Electricity Act. 1910 as amended up to date and as per the instructions of the Engineer-in-Charge
 - II) FRLS PVC insulated copper wire used shall be ISI marked and wire of the size 4.00 Sq. mm and above shall be of stranded conductors and all standard wires are required to be crimped for connections / terminations.
 - III) All accessories like switches, sockets, C/roses, holders shall be ISI marked.
 - IV) Crimping type ferrules / thimbles shall be provided for wire termination in switches, sockets, MCB’s etc as reqd.
 - V) Contractor shall have to prove bonafides of the make of materials by producing necessary documentary evidence. Firms are advised accordingly to obtain prior approval of Engineer- in-Charge for proposed make of materials before bringing materials to site of work.
 - VI) Phenolic laminated sheet be of only ISI Marked. Covers for adopter box and function box shall also be of white phenolic laminated sheet.
7. **Earthing connections:-**
 - I) All fittings are to be properly earthed for which no extra will be paid.

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

- II) Proper sleeving is to be provided to bare earth conductor in the switch boxes and also to bore conductors used for inter switch looping inside the switch boxes for which no extra will be paid.
- III) Termination of wiring inside DB's & main boards should be by crimped connections.
- IV) Clamp type termination of earth strip (wherever provided) to pipe electrode will be made.

8. Facilities to the contractor:-

- I) Contractor shall make his own arrangement for water & electricity and T& P required for the work.
- II) Contractor shall have to make his own arrangement for storage place.

9. Inspection and testing:-

- I) The contractor shall despatch the equipment / components in consultation with the Engineer- in-Charge. The contractor shall provide all necessary facilities for inspection of panel board at manufacturer's work before despatch.

10. Date of acceptance of the installation:-

- I) After the Engineer – in – Charge is satisfied that the installation complies with requirements of specifications in all respect.
- II) The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However, if there is any delay from the department side, the installation may be taken over in parts but the decision on the same shall be binding on the contractor.
- III) Contractor or his authorized representative is bound to sign the site order book as and when required by the Engineer-in-Charge.
- IV) The contractor shall remain responsible for attending complaints free of cost for the minimum period of six months for satisfactory performance of installations against the scheduled work done

11. Payment shall be made after satisfactory completion of work and handed over to client department.

12. GST compliant : notice to be raised in triplicate.

13. Payment will be regulated as under for all items of work:-

- I) On receipt of major equipment in good condition at site of work - 75%
- II) After complete installation - 15%
- III) After final test and commissioning - 10%

14. Makes of material

S. No.	Item	Makes
1	Right/Left/Center/ Line Array Loudspeaker Cluster	Bose/ Martin-Audio/ L Acoustics / D&B
2	subwoofer	Bose/ Martin-Audio/ L Acoustics / D&B
3	Front/Side Fills Loudspeaker	Bose/ Martin-Audio/ L Acoustics / D&B
4	Stage Monitors	Bose/ Martin-Audio/ L Acoustics / D&B
5	Rear Surround Loudspeakers	Bose/ Martin-Audio/ L Acoustics / D&B
7	Green Room & Control Room Loudspeaker	Bose/ Martin-Audio/ L Acoustics / D&B
8	Digital Sound Processor with Min. 12 Inputs X Min. 4 Outputs	Bose/ Bi Amp/ Symetrix
9.	Master controller for audio DSP supporting	Bose/ Bi Amp/ Symetrix
10.	8 Channel Class D Digital Power Amplifier	Bose / Powersoft / Labgruppen/ L Acoustics
11	Optical Input card for Amplifier	Bose / Powersoft / Lap Gruppen/ L Acoustics
12	24 Channel Mixing Console	Midas / Soundcraft /Yamaha / Digico
13	7.1 AV receiver with balanced pre-outs	Denon / Yamaha /Marantz)
14	Wireless Handheld microphone system	Beyerdynamic / Shure / Sennheiser
15	Wireless Lapel microphone system	Beyerdynamic / Shure / Sennheiser
16	Gooseneck microphone with a base having ON/OFF Switch	Beyerdynamic / Shure / Sennheiser
17	Dynamic Handheld Wired Microphone	Beyerdynamic / Shure / Sennheiser
18	DVD Player with USB Input	Sony/Philips/Tasacm
19	UL listed Connectors & Patch Cables/Connectors for interconnection	Neutrik / Amphenol
20	Long Microphone stands	Hercules / K & M
21	loudspeaker cables	Belden/Klotz/Canare
22	microphone cable	Belden/Klotz/Canare
23	Equipment Rack	Valrack / Netrack / Rittal

Note: Any other items with the approval of Engineer-in-Charge.

Assistant Engineer (E)
ABEU, AIIMS, Bhopal

Executive Engineer (E)
ABEU, AIIMS BHOPAL

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

AE(P)

EE(P)

TECHNICAL SPECIFICATION

ADDITIONAL SPECIFICATIONS (FOR AUDIO VISUAL)

1. **General**

The work under the contract shall be carried out in accordance with the schedule of items of work, the particular specifications drawings forming part of this tender document, and the general conditions and other provisions of the tender.
 The system shall be designed in accordance with the appropriate IS, BS, DIN, IEC, UL recommendations.
2. **Functional Requirements**

To provide a Sound Reinforcement System, Surround sound system and other equipment.
3. **Proposed Design**

The Sound Reinforcement System is required to provide sound.
 A mix of Speakers & Amplifiers has been proposed to provide adequate sound levels and effects.
4. **Safety** is of the utmost importance and all equipment shall be solidly grounded with a separate identifiable earth conductor to an earth bus in the dimmer rack.

All terminations at any point of the system will be with crimped terminals on terminal strips.
 All cables will be laid in PVC conduits / flexible conduits. All cable entries to equipment will be properly glanded to relieve any stress from the conductors and to prevent any vermin or insects from entering the equipment. All ventilation openings in equipment shall be backed by fine steel wire mesh.
5. **Performance**

A high quality system has been proposed. The performance of the system after installation must meet the following specifications.
 No interference in audio circuits at any dimmer setting.
6. **Minor variation in specifications as per manufacture standard shall also be accepted.**

The model of equivalent make shall be approved by Engineer – in- charge on producing relevant paper of the model and equivalent make shall be equal or more rich specification.
7. The work shall be executed in close coordinated manner with client department. Building are occupied and shall be made available as and when vacated during the currency of tender. No claim for idle labour will be admissible.
8. All installation layout drawing shall be got approval by Engineer -in-charge before start. And executed as per Manufactures Guidelines as per relevant IS and as per directions of Engineer-In-Charge. **The date of manufacturing of All the equipment and materials shall not be more than Six months old from the date of award of work.**
9. Watch & ward for the installations, materials, including materials supplied by the department shall be responsibility of the contractor till the installations / left over materials are finally taken over by the department. Nothing shall be payable on this account separately as this is deemed to be included within scope of work.
10. Contractor shall have to prove bonafides of the make of materials by producing necessary documentary evidence. Firms are advised accordingly to obtain prior approval of Engineer- in-Charge for proposed make of materials before bringing materials to site of work.
11. Contractor work of Scope includes making openings in the wall/floors/slabs of modification in the existing openings wherever provided for carrying pipe line, cables etc.

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

12. Contractor work of Scope includes making good all damages caused to the structure installation and restoring the same to their original finish.
13. All equipments shall be guaranteed for a period of **5 years for Part-A equipments & 12 months for Part-B equipments** from the date of acceptance and taking over of the installation by the Department against unsatisfactory performance and / of brake down due to defective design, material, manufacture, workmanship or installation. The equipment of component or any part there of so found defective during the guarantee period shall be repaired or replaced free of cost to the satisfaction of the Engineer-in-Charge. In case, it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of Engineer-in-Charge in this regard shall be final.
14. The contractor shall ensure adequate and prompt after sales service in the form of maintenance, spares and personnel as and when required and shall minimize the breakdown period. In case of equipment supplied by other manufacturers, the firm shall furnish a guarantee from the manufacturer for the same before the plant is taken over.
15. Operation and maintenance manual of all major equipments, detailing all adjustments, operation and maintenance procedure shall be supplied by contractor.
16. The contractor shall remain responsible for attending complaints free of cost for the minimum period of 12 months for satisfactory performance of installations against the scheduled work done.
17. The rates quoted shall be inclusive of all taxes and duties and nothing extra shall be paid.
18. The Contractor shall submit detail technical specification and broucher along with quotation from OEM for all audio / video equipment.
19. The Contractor shall demonstrate and operate the equipment and trial run for 15 days up to the satisfaction of department.
20. The entire system of sound reinforcement system shall be maintained comprehensively by the manufacturer/ Authorized service agency only and certificate in their regard should be submitted by the agency along with PQ Documents.
21. The comprehence maintenance contract beyond 5 years will be optional at the discreation of AIIMS Bhopal.



BLANK

Technical Specifications - Sound Reinforcement System

1 Centre Line Array Loudspeaker Cluster with Array Frames		
i)	Frequency Response (+/-3dB)	60 Hz to 16kHz or better
ii)	Frequency Bandwidth (-10 dB)	55 Hz to 16kHz or better
iii)	Nominal Horizontal Dispersion	Horizontal Near 90 degree or better Horizontal Far 60 degree or better
iv)	Nominal Vertical Dispersion	Total of 60 degree vertical dispersion is required for uniform coverage. All OEMs shall quote appropriate number of boxes as per vertical dispersion of each box being proposed.
v)	Long Term Power Handling	LF: 400 Watt or better HF: 80 Watt or better
vi)	Impedance	4 Ohm/8 Ohm or better
vii)	Sensitivity(SPL / W @ 1 Mtr)	LF/MF: 93 dB or better HF: 107 dB or better
viii)	Max SPL @ 1 Mtr (Cont.)	LF: 120 dB SPL or better HF: 129 dB SPL or better
ix)	Transducers	LF: Min. 2 X 8" or better HF: Min 3 x 1" OR Min 1 X 3" or better
2 Left Line Array Loudspeaker Cluster with Array Frames		
i)	Frequency Response (+/-3dB)	60 Hz to 16kHz or better
ii)	Frequency Bandwidth (-10 dB)	55 Hz to 16kHz or better
iii)	Nominal Horizontal Dispersion	Horizontal Near 90 degree or better Horizontal Far 60 degree or better
iv)	Nominal Vertical Dispersion	Total of 60 degree vertical dispersion is required for uniform coverage. All OEMs shall quote appropriate number of boxes as per vertical dispersion of each box being proposed.
v)	Long Term Power Handling	LF: 400 Watt or better HF: 80 Watt or better
vi)	Impedance	4 Ohm/8 Ohm or better
vii)	Sensitivity(SPL / W @ 1 Mtr)	LF/MF: 93 dB or better HF: 107 dB or better
viii)	Max SPL @ 1 Mtr (Cont.)	LF: 120 dB SPL or better HF: 129 dB SPL or better
ix)	Transducers	LF: Min. 2 X 8" or better HF: Min 3 x 1" OR Min 1 X 3" or better
3 Right Line Array Loudspeaker Cluster with Array Frames		
i)	Frequency Response (+/-3dB)	60 Hz to 16kHz or better
ii)	Frequency Bandwidth (-10 dB)	55 Hz to 16kHz or better
iii)	Nominal Horizontal Dispersion	Horizontal Near 90 degree or better Horizontal Far 60 degree or better
iv)	Nominal Vertical Dispersion	Total of 60 degree vertical dispersion is required for uniform coverage. All OEMs shall quote appropriate number of boxes as per vertical dispersion of each box being proposed.
v)	Long Term Power Handling	LF: 400 Watt or better HF: 80 Watt or better
vi)	Impedance	4 Ohm/8 Ohm or better
vii)	Sensitivity(SPL / W @ 1 Mtr)	LF/MF: 93 dB or better HF: 107 dB or better

viii)	Max SPL @ 1 Mtr (Cont.)	LF: 120 dB SPL or better HF: 129 dB SPL or better
ix)	Transducers	LF: Min. 2 X 8" or better HF: Min 3 x 1" OR Min 1 X 3" or better
4	Subwoofer with Hanging / Flying Arrangement	
i)	Frequency Response (+/- 3dB)	45 Hz to 100 Hz or better
ii)	Nominal Dispersion	Omni directional
iii)	Long Term Power Handling	1000 Watt or better
iv)	Impedance	2 x 8 Ohms
v)	Sensitivity (SPL / W @ 1 Mtr)	97 dB or better
vi)	Max SPL @ 1 Mtr (Cont.)	127 dB or better
vii)	Transducers	min 2 X 15" or better
5	Front Fill & Side Fill Loudspeaker	
i)	Frequency Response (+ / -3dB)	90Hz to 16kHz or better
ii)	Nominal Dispersion	90 degree Horizontal X 50 degree Vertical or better
iii)	Long Term Power Handling	200 Watt or better
iv)	Impedance	8 Ohms
v)	Sensitivity (SPL / W @ 1 Mtr)	91 dB SPL or better
vi)	Max SPL @ 1 Mtr (Cont.)	114 dB SPL or better
vii)	Transducers	LF: 1 x 8" or better HF: min 1" or better
6	Stage Monitor	
i)	Frequency Response (+ / -3dB)	90Hz to 16kHz or better
ii)	Nominal Dispersion	90 degree Horizontal X 60 degree Vertical or better
iii)	Long Term Power Handling	200 Watt or better
iv)	Impedance	8 Ohms
v)	Sensitivity (SPL / W @ 1 Mtr)	91 dB SPL or better
vi)	Max SPL @ 1 Mtr (Cont.)	114 dB SPL or better
vii)	Transducers	LF: 1 x 8" or better HF: min 1" or better
7	Rear Surround Loudspeaker	
i)	Frequency Response (+ / -3dB)	80Hz to 16kHz or better
ii)	Nominal Dispersion	90 degree Horizontal X 60 degree Vertical or better
iii)	Long Term Power Handling	300 Watts or better
iv)	Impedance	8 Ohms
v)	Sensitivity (SPL / W @ 1 Mtr)	94 dB or better
vi)	Max SPL @ 1 Mtr (Cont.)	120 dB SPL or better
vii)	Transducers	LF: min 2 X 8" or better HF: min 1" or better
8	Green Room & Control Room Loudspeakers	
i)	Frequency range	80 Hz to 19 kHz or better
ii)	Nominal Dispersion	110 degree Horizontal X 110 degree Vertical or better
iii)	Long Term Power Handling	16 W or better
iv)	Sensitivity (SPL / W @ 1 Mtr)	84 dB SPL or better
v)	Max SPL @ 1 Mtr (Cont.)	96 dB or better
vi)	Transducers	1 X 2.25" or better

9 Digital Sound Processor		
i)	Number of Min Channels	Inputs : 12 or better Outputs : 4 or better
ii)	A/D and D/A Convertor	24 bit or better
iii)	Sampling Rate	48kHz or better
iv)	Signal to Noise Ratio	80 dB or better
v)	THD	<0.01% or better
vi)	Dynamic Range	> 105 Db or better
vii)	Communication Port	Ethernet or equivalent
viii)	Inbuilt DSP	Compressor, Limiter, EQ'S, Crossover, Delays, Routers, Matrix mixers, Duckers etc
10 Master Controller with Power Supply		
i)	Programmable network controller manages gain settings or scene selections.	
ii)	Source Selection and Volume Controller.	
iii)	Supports Upto 256 scenes/presets	
iv)	2-line-by-40 character backlit LCD	
11 8 Channel Class D Digital Power Amplifier		
i)	Number of Min Channel	8 Channels or better
ii)	Class of Amplifier	Class D or equivalent
iii)	Cont. Power Per Channel (impedance)	250W @ 4Ohm or better 250W @ 8Ohm or better
iv)	Power @ 70/100V	min 500W (bridged 2 channel) or better
v)	Voltage Gain	33 db or better
vi)	THD	<0.4% or better
vii)	IMD	<0.4% or better
viii)	Damping factor	>1000 or better
ix)	Inbuilt DSP with Features	Limiter, Speaker EQ'S, Crossover, Delays or more
12 Input Expansion Card		
i)	The Input Expansion card should be compatible with the Amplifiers & Digital Sound Processor.	
ii)	Min Input Channels : 8 Or more	
iii)	Sampling Rate : 48 kHz	
iv)	Bit Depth : 24 bit or better	
v)	Input Connector : Toslink/Optical Input	
13 Digital Mixing Console with D-Rack		
i)	Type	Digital
ii)	Input Channels	40 Mono or better
iii)	4 Band Parametric EQ	High pass filter or better
iv)	Aux/bus Sends	12 mono or better
v)	Digital I/O	Yes
vi)	Digital effects	Yes
vii)	Stage Box	Yes
viii)	Touch/LCD Panel	Yes
14 7.1 AV Receiver		
i)	Number of HDMI Inputs & HDMI Outputs	6 HDMI Inputs & 1 HDMI Outputs
ii)	Audio Pre Amp Out	7.2 or better
iii)	RS-232C , Ethernet & USB Port	Yes
iv)	Supports WMA, MP3, WAV, MPEG-4 AAC, FLAC, JPEG files	Yes

v)	Dolby True HD, dts-HD Master Audio ; Dolby Pro Logic Iiz & Odyssey	Yes
15 UHF Wireless Handheld Microphone		
i)	Polar Pattern	Cardioid / Hypercardioid / Supercardioid
ii)	RF Freq Range	606 MHz to 865 MHz or better
iii)	Audio Bandwidth	80 Hz to 15kHz or better
iv)	THD	<0.9% or better
v)	S/N Ratio	>105 dB or better
16 UHF Wireless Lapel Microphone		
i)	Modulation	FM
ii)	Pre programmed Selectable Frequencies per Band	12 or better
iii)	Polar Pattern	Cardioid / Hypercardioid / Supercardioid
iv)	RF Freq Range	516 MHz to 865 MHz or better
v)	THD	<0.9% or better
vi)	RF Power	20mW or better
vii)	S/N Ratio	>105 dB or better
17 Gooseneck microphone with ON/OFF Switch		
i)	Gooseneck Length	15" or better
ii)	Polar Pattern	Cardioid / hypercardioid / supercardioid
iii)	RFI Sheilding	Yes
iv)	S/N Ratio	65 dB or better
v)	Max SPL for 1% THD	107 dB or better
vi)	Freq Response	50 Hz to 17kHz or better
18 Wired Handheld Microphone		
i)	Type of transducer	Dynamic
ii)	Polar Pattern	Cardioid / hypercardioid / supercardioid
iii)	Freq Response	50Hz to 15kHz or better
iv)	Sensitivity	Min 1.85mV or better
v)	Nominal Impedance	< 360 or better
19 Wired Instrument microphone		
i)	Type of transducer	Dynamic
ii)	Polar Pattern	Cardioid / hypercardioid / supercardioid
iii)	Freq Response	50Hz to 14kHz or better
iv)	Sensitivity	Min 1.8 mV or better
v)	Nominal Impedance	< 360 or better
20 Drum Kit		
i)	Number of microphones	1 X kick drum or better 3 X tom/snare or better 2 X Overhead or better 1 X Case or better
21 DVD Cum USB Player		
i)	Playback Format	AAC, CD, CD-R/RW, DVD-Video, JPEG, LPCM, MP3, MPEG-1, Simple MPEG4, SVCD, Video CD, WMA
ii)	Instant Replay	Yes
iii)	DVD/CD Input	Yes
iv)	USB Input	Yes

22	UL Listed Connectors
i)	UL Listed Connectors & Patch Cables/Connectors for interconnection of equipments.
23	Junction Box
i)	Stage Junction Box with Min . 4 Female XLR & 1 Speaker Output complete with standard accessories.
24	Tripod Long microphone stand
i)	Light weight tripod aluminum Microphone stand with Long Arm, boom type & chrome plating.
25	Tripod Short microphone stand
i)	Light weight tripod aluminum Microphone stand with short Arm, boom type & chrome plating.
26	Loudspeaker cable
i)	2 core 4.0 sq mm PVC insulated Cu conduction loudspeaker cable with Conductor 224 x 0.15 mm, Impedance 4.5 Ω/km Capacitance 180 pF/m, Outer dia 11.0 mm, working temperature -20 °C / +70 °C.
27	Loudspeaker cable
i)	2 core 2.5 sq mm PVC insulated Cu conduction loudspeaker cable with Conductor 50 x 0.25 mm, Impedance 7.0 Ω/km Capacitance 170 pF/m, Outer dia 8.0 mm, working temperature -20 °C / +70 °C.
28	Microphone cable
i)	2 core Shielded mm PVC Insulated Microphone cable with Ultra low Capacitance 60(Pf/m) ; Outer Jacket : PVC Matt ; Working Temperature :20 °C / +70 °C ; Diameter : 6.5mm ; extremely flexible.
29	Equipment Rack
i)	Equipment Rack for housing all rack mountable equipments with internal wiring, front glass door; heat dissipation fans; movement wheels, power distribution units etc. (UL Listed)



BLANK

SCHEDULE OF WORK

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHOPAL

NIT NO. : 02/SE/Project Cell/AIIMS/BPL/2018-19

Name of Work:- Supply, Installation, testing and commissioning of Sound Reinforcement System for Auditorium at AIIMS, Bhopal.

SCHEDULE OF QUANTITY

Name of the Contractor

Name of the Contractor						
Sr. No	Description of Items	Qty	Unit	Quoted rates are negative or positive	Rate in Figures in Rupees	Amount
	-					
	Sound Reinforcement System					
	Part- A (Equipment with 5 year warranty)					
1	Supply , Installation , testing and commissioning of Center Line Array Loudspeaker Cluster complete with OEM Array Frames as per the no. of Modules / Load rating of equipment for flying Line Array Cluster with other required standard accessories as per tender specifications. make Bose /Martin-Audio/L Acoustics / D&B with similar specification.	1	Set	Normal Item	2032684.00	2032684.00
2	Supply , Installation , testing and commissioning of Left Line Array Loudspeaker Cluster complete with OEM Array Frames as per the no. of Modules / Load rating of equipment for flying Line Array Cluster with other required standard accessories as per tender specifications make Bose /Martin-Audio/L Acoustics / D&B with similar specification.	1	Set	Normal Item	2032684.00	2032684.00
3	Supply , Installation , testing and commissioning of Right Line Array Loudspeaker Cluster complete with OEM Array Frames as per the no. of Modules / Load rating of equipment for flying Line Array Cluster with other required standard accessories as per tender specifications make Bose /Martin-Audio/L Acoustics / D&B with similar specification.	1	Set	Normal Item	2032684.00	2032684.00
4	Supply , Installation , testing and commissioning of Array able subwoofer with OEM flying hardware (2 Nos. each in left and right array) complete with other required standard accessories as per tender specifications. make Bose /Martin-Audio/L Acoustics / D&B with similar specification.	4	Nos.	Normal Item	751742.00	3006968.00

5	Supply, Installation, Testing and Commissioning of Front/Side Fills Loudspeaker complete with standard accessories as per tender specifications. Make Bose /Martin-Audio/L Acoustics / D&B with similar specification.	4	Nos.	Normal Item	135741.00	542964.00
6	Supply, Installation, Testing and Commissioning of Stage Monitors complete with standard accessories as per tender specifications. make Bose /Martin-Audio/L Acoustics / D&B with similar specification.	4	Nos.	Normal Item	135741.00	542964.00
7	Supply, Installation, Testing and Commissioning of Rear Surround Loudspeakers complete with standard accessories as per tender specifications. Make Bose/Martin-Audio/L Acoustics / D&B with similar specification.	6	Nos.	Normal Item	168320.00	1009920.00
8	Supply, Installation, testing and commissioning of Green Room & Control Room Loudspeaker complete with standard accessories as per tender specifications. Make Bose /Martin-Audio/L Acoustics / D&B with similar specification.	4	Nos.	Normal Item	21719.00	86876.00
9	Supply, Installation, testing and commissioning of Digital Sound Processor with Min. 12 Inputs X Min. 4 Outputs complete with standard accessories as per tender specifications. make Bose /Bi Amp/ Symetrix with similar specification.	1	Nos.	Normal Item	352929.00	352929.00
10	Supply , installation , testing and commissioning of Master controller for audio DSP supporting parameter edit and scene recall complete with standard accessories as per the tender specifications. make Bose /Bi Amp/ Symetrix with similar specification.	1	Nos.	Normal Item	209325.00	209325.00
11	Supply , installation , testing and commissioning of 8 Channel Class D Digital Power Amplifier complete with standard accessories as per the tender specifications. make Bose /Powersoft / Labgruppen/ L Acoustics with similar specification.	6	Nos.	Normal Item	670901.00	4025406.00
12	Supply , installation , testing and commissioning of Optical Input card for Amplifier complete with standard accessories as per the tender specifications. make Bose /Power soft / Labgruppen/ L Acoustics with similar specification	4	Nos.	Normal Item	41325.00	165300.00

Part B (Other equipment and accessories with 1 year warranty)						
13	Supply , installation , testing and commissioning of 24 Channel Mixing Console complete with standard accessories as per the tender specifications. Make Sound craft /Midas/Yamaha / Digico with similar specification.	1	Nos.	Normal Item	111089.00	111089.00
14	Supply, installation, testing and commissioning of 7.1 AV receiver with balanced pre-outs complete with standard accessories as per the tender specifications. Make Denon / Yamaha / Marantz with similar specification.	1		Normal Item	118287.00	118287.00
15	Supply, Installation, testing and commissioning of Wireless Handheld microphone system complete with standard accessories as per the tender specifications .make Sennheiser /Beyer dynamic / Shure with similar specification.	2	Nos.	Normal Item	56111.00	112222.00
16	Supply, Installation, Testing and commissioning of Wireless Lapel microphone system complete with standard accessories as per the tender specifications. make Sennheiser /Beyerd ynamic / Shure with similar specification.	2	Nos.	Normal Item	56111.00	112222.00
17	Supply, Installation, testing and commissioning of Gooseneck microphone with a base having ON/OFF Switch complete with standard accessories as per the tender specifications.make Sennheiser /Beyer dynamic / Shure with similar specification.	2	Nos.	Normal Item	36902.00	73804.00
18	Supply, Installation, testing and commissioning of Dynamic Handheld Wired Microphone complete with standard accessories as per the tender specifications. Make Sennheiser /Beyer dynamic / Shure with similar specification.	4	Nos.	Normal Item	6392.00	25568.00
19	Supply, Installation, testing and commissioning of instrument microphone designed for drums and percussions, for wind instruments and guitar amps complete with standard accessories as per the tender specifications. make Sennheiser /Beyer dynamic / Shure with similar specification.	2	Nos.	Normal Item	12245.00	24490.00
20	Supply, Installation, testing and commissioning of Drum kit with bass drum microphone, overheads microphone , toms and snare microphone as per the tender specifications. make Sennheiser /Beyer dynamic / Shure with similar specification.	1	Nos.	Normal Item	101100.00	101100.00
21	Supply, Installation, Testing and Commissioning of DVD Player with USB Input complete with standard accessories as per the tender specifications. Make Sony/Philips/ Tasacm with similar specification	1	Nos.	Normal Item	12638.00	12638.00

22	Supply and fixing of UL listed Connectors & Patch Cables/ Connectors for interconnection of all equipments complete with standard accessories as per the tender specifications. Make Neutrik / Amphenol with similar specification.	1	lot	Normal Item	12638.00	12638.00
23	Supply and fixing of stage junction boxes complete with standard accessories as per the tender specifications. Make Custom with similar specification.	4	Nos.	Normal Item	7583.00	30332.00
24	Supply Installation, Testing and Commissioning of Long Microphone stands complete with standard accessories as per the tender specifications. Make Hercules / K & M with similar specification.	6	Nos.	Normal Item	6951.00	41706.00
25	Supply of Microphone Small stands complete with standard accessories as per the tender specifications. Make Hercules / K & M with similar specification.	4	Nos.	Normal Item	6319.00	25276.00
26	Supply and laying of 2 core 4 sqmm loudspeaker cable complete with standard accessories as per the tender specifications. Make Belden/Klotz/Canare with similar specification.	400	Mtrs.	Normal Item	303.00	121200.00
27	Supply and Laying 2 core 2.5 sqmm loudspeaker cable complete with standard accessories as per the tender specifications. Make Belden/Klotz/Canare with similar specification.	1000	Mtrs.	Normal Item	152.00	152000.00
28	Supply and laying of 2 core shielded microphone cable as per the tender specifications. Make Belden/Klotz/Canare with similar specification.	800	Mtrs.	Normal Item	120.00	96000.00
29	Supply, Installation, Testing and Commissioning Equipment Rack for housing all rack mountable equipments with front glass door; heat dissipation fans; internal lights; movement wheels, power distribution units etc. complete with standard accessories. Make Valrack / Netrack / Rittal with similar specification.	1	Nos.	Normal Item	44231.00	44231.00
	Part : C AMC of complete sound reinforcement system					
30	Comprehensive maintenance charges for part B for 2nd year after completion.	1	Nos.	Normal Item	84140.00	84140.00
31	Comprehensive maintenance charges for part B for 3rd year after completion.	1	Nos.	Normal Item	84140.00	84140.00
32	Comprehensive maintenance charges for part B for 4th year after completion.	1	Nos.	Normal Item	90150.00	90150.00

34	Comprehensive maintenance charges for part B for 5th year after completion.	1	Nos.	Normal Item	90150.00	90150.00
35	Comprehensive maintenance charges for part (A+B) for 6th year after completion.	1	Nos.	Normal Item	1380441.00	1380441.00
36	Comprehensive maintenance charges for part (A+B) for 7th year after completion.	1	Nos.	Normal Item	1380441.00	1380441.00
37	Comprehensive maintenance charges for part (A+B) for 8th year after completion.	1	Nos.	Normal Item	1466718.00	1466718.00
38	Comprehensive maintenance charges for part (A+B) for 9th year after completion.	1	Nos.	Normal Item	1552996.00	1552996.00
39	Comprehensive maintenance charges for part (A+B) for 10th year after completion.	1	Nos.	Normal Item	1639273.00	1639273.00
Grand Total						25023956.00
Percentage above/ below OR At Par rate the estimated cost						
Grant Total Amount						-
Contractor Percentage in words						



BLANK