



Online Request for Tender (e-NIT)

For

**Re-development of J&K Bank's Auditorium at Corporate
Headquarters by way of composite works**

**e-NIT Ref. No.: JKB/E&ED/Auditorium(Composite)/2026-1641
Dated: 10-02-2026**

Issued by:
J&K Bank Ltd.
Estates Department, BSD, Corporate Headquarters, Srinagar,
M. A. Road Srinagar, 190 001 J&K Tele: 0194- 2402665
email: engineering.chq@jkbmail.com

DISCLAIMER

The information contained in this Tender document or any information provided subsequently to bidder(s) whether verbally or in documentary form by or on behalf of the Bank is provided to the bidder(s) on the terms and conditions set out in this Tender document and all other terms and conditions subject to which such information is provided. This tender is neither an agreement nor an offer and is only an invitation by Bank to the interested parties for submission of bids. The purpose of this tender is to provide the bidder(s) with information to assist the formulation of their proposals. While effort has been made to include all information and requirements of the Bank with respect to the solution requested, this tender does not claim to include all the information each bidder may require. Each bidder should conduct its own investigation and analysis and should check the accuracy, reliability and completeness of the information in this tender and wherever necessary obtain independent advice. The Bank makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this e-NIT. The Bank may in its absolute discretion, but without being under any obligation to do so, update, amend, supplement or annul the information in this e-NIT.

All costs and expenses incurred by interested Bidders in any way associated with the development, preparation, and submission of responses, including but not limited to the attendance at meetings, discussions, demonstrations, etc. and providing any additional information required by J&K BANK, will be borne entirely and exclusively by the Bidders

OBJECTIVE OF PROPOSAL

The Tender Details are as under:

e-NIT Reference Number	JKB/E&ED/Auditorium(Composite)/2026-1641 Dated: 10-02-2026
Issuing Department Name	Estates & Engineering Department, BSD, Corporate Headquarters, M. A. Road, Srinagar 190 001 J&K
Scope of Work	Re-development of Auditorium at J&K Bank Ltd. Corporate Headquarters, M. A. Road Srinagar by way of composite works (including Interior and acoustic, electrical, furniture, stage lighting, Audio, Video and associated Allied works)
e-Tender Details	Re-development of J&K Banks Auditorium at Corporate Headquarters by way of composite works
Bid Submission Mode	On-Line through Bank's e-Tendering Service Provider's Portal https://jkbank.abcpocure.com
Tender Type	Open tender
Type of Contract	Works
Bidding Type	Indigenous
Base Currency	INR (₹)
Bid validity	180 days
Consortium	Consortium Bids are not allowed.
Contact details of concerned Department (Name, Designation, Mobile No., Email address for sending any kind of correspondence regarding this NIT) and technical bid evaluation	Mr. Munir Kongwani(CISO) Phone no: 9797110000 Mr. Basharat Wani(Incharge BSD) Phone no: 7006231581 Mr Tawseef (Civil Engineer) Phone no:9697518717 Mr. Mujeeb Manzoor (Electric Engineer) Phone no:7006349347 Dept. e-mail id:- engineering.chq@jkbmail.com
Bid Document Availability including changes/amendments, if any to be issued	NIT can be downloaded from and submitted on Bank's e-Tendering Services Provider's Portal https://jkbank.abcpocure.com from February 12, 2026 16.00 Hrs. to March 05, 2026 17.00 Hrs.
Pre-bid Queries submission Date and Mode	All Clarifications / Queries shall be raised online only through e-Tendering Portal https://jkbank.abcpocure.com by or before February 18, 2026

Clarifications to pre-bid queries will be provided by the Bank.	All communications regarding points / queries requiring clarifications shall be given online through prescribed e-Tendering Portal on February 25, 2026
Last date and time for Bid submission	March 05, 2026 17.00 Hrs.
Date and Time for Eligibility/ Technical Bid Opening	To be notified separately
Submission of online Technical Bid	As prescribed in Bank's online e-Tender Portal https://jkbank.abcprocure.com
Tender Processing Fee (Non-Refundable)	₹ 2500/- (Rupees two thousand and five hundred only) to be credited through Bank Transfer/NEFT only vide below details: Account Name: Tender Fee/Cost Account 16-digit Account No : 9931530300000001 IFSC Code: JAKA0HRDCHQ Bank: The J&K Bank Ltd Branch: Corporate Headquarters MA Road Srinagar J&K Tran or UTR Number may be uploaded on E-tendering portal (Tender/Participation fee is exempted for all MSEs, Start-ups as recognized by DIPP- Eligible entities shall upload proof in support of claiming the aforesaid exemption)
Earnest Money Deposit (EMD) [Refundable]	₹ 6,00,000/- (Rupees Six lakhs only) to be deposited to below detailed A/c through NEFT / RTGS/ Bank Transfer only: Account Name: Earnest Money Deposit (EMD) 16-digit Account No : 9931070690000001 IFSC Code: JAKA0HRDCHQ (0 denotes zero) Bank: The J&K Bank Ltd Branch: Corporate Headquarters MA Road Srinagar J&K UTR No. / Tran No. & Date be uploaded on the e-Tendering Portal as Proof. (EMD is exempted for all MSEs, Start-ups as recognized by DIPP-Eligible entities shall upload proof in support of claiming the aforesaid exemption) EMD can also be submitted in the form of Bank Guarantee with BG validity as bid validity + 45 days. (proof along with sfms report to be submitted) (Bidders seeking EMD exemption need to submit Bid security Declaration Annexure IV)

Performance Security	The Successful Bidder immediately after the award of Work order/ PO has to submit Performance Guarantee (performance security deposit) in favour of Deputy General Manager (BSD), J&K Bank equivalent to the amount of 10% of the total contract value in the form of CDR or Bank guarantee. . However, on the successful completion of project, 5% shall be released										
Eligibility & Technical Criteria	As mentioned in the tender document										
CORRIGENDUM	All the Corrigendum will be uploaded on online tender portal https://jkbank.abcpocure.com only										
For e-Tender related Queries	Service Provider: M/s. E-procurement Technologies Limited (Auction Tiger) , B-705, Wall Street- II, Opp. Orient Club, Ellis Bridge, Near Gujarat College, Ahmedabad- 380006, Gujarat Help Desk: <table border="1"> <thead> <tr> <th>Sr. No</th><th>Name</th></tr> </thead> <tbody> <tr> <td>1</td><td>Sandhya Vekariya – 6352631968</td></tr> <tr> <td>2</td><td>Suraj Gupta – 6352632310</td></tr> <tr> <td>3</td><td>Ijlalaeahmad Pathan – 6352631902</td></tr> <tr> <td>4</td><td>Imran Sodagar - 9328931942</td></tr> </tbody> </table>	Sr. No	Name	1	Sandhya Vekariya – 6352631968	2	Suraj Gupta – 6352632310	3	Ijlalaeahmad Pathan – 6352631902	4	Imran Sodagar - 9328931942
Sr. No	Name										
1	Sandhya Vekariya – 6352631968										
2	Suraj Gupta – 6352632310										
3	Ijlalaeahmad Pathan – 6352631902										
4	Imran Sodagar - 9328931942										

INDEX

S.NO.	DESCRIPTION	PAGE NO
1	NOTICE INVITING TENDER	7
2	ELIGIBILITY CRITERIA/PRE-QUALIFICATION	11
3	INSTRUCTIONS FOR BIDDER	14
4	APPENDIX TO FORM OF TENDER	15
5	FORM OF AGREEMENT	16
6	GENERAL CONDITION OF CONTRACT	19
7	SPECIAL CONDITION OF CONTRACT	24
8	SCOPE OF WORK	27
9	ANNEXURES	32
10	RUNNING PAYMENT SCHEDULE	40
11	BANK GUARANTEE FORMAT	41
12	Bill of quantities	42
13	List of approved Makes	58
14	Price Bid	63

NOTICE INVITING TENDER

Tenders are hereby invited by **DGM (BSD)** on behalf of Jammu & Kashmir Bank LTD. Srinagar, J&K for the project:

Re-development of Auditorium at J&K Bank Ltd. Corporate Headquarters, M. A. Road Srinagar by way of composite works

1. Estimated Cost of Work: Approximately **Rs 299.60 Lakhs** which includes **Interior & Acoustic works, Furniture, Electrical, Audio, Video, Stage Lighting and associated Allied works etc. for Auditorium.**

2. Detailed tender document consisting of Terms and Conditions, BOQ, Technical Specification, General Terms and Conditions etc. will be available through a link from the Banks website <https://jkb.bank.in/> and will be forwarded to <https://jkbank.abcprocure.com>

3. The site for the work is available and should be inspected before quoting for this tender.

4. The time allowed for the carrying out of the work will be **180 calendar days** from the date of issue of written orders/ email to commence the work, in a phased manner as decided by the Engineer In charge, J&K Bank Ltd., Srinagar.

5. The Bidders should digitally sign the tender in places indicated and the total amount tendered should also be written in the prescribed form.

6. The bid document is available online on the website <https://jkbank.abcprocure.com>. The bid document can be downloaded free of cost, however, the successful bidder is required to submit a security deposit (performance guarantee) of equivalent to **10% of total contract value in the shape of CDR/ Bank Guarantee at the time of formal allotment & shall be released at the end of defect liability period.** The bidder would be required to register in the web site, which is free of cost. For submission of bids, the bidder is required to have valid Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities (CA). Before the deadline for submission of bids, the J&K Bank may modify the bidding documents by issuing online corrigendum. The corrigendum will appear on the web page of the website <https://jkbank.abcprocure.com> under the "Latest Corrigendum".

7. Documents Comprising the Bid.

a) Technical Cover (Part-I).

Shall contain all the documents mentioned in prequalification annexure or anywhere else in the tender document along with tender documents cost & EMD.

Note: The bidders are permitted to offer equivalent makes of products/items provided they meet or exceed the specified technical and quality specifications. The bidder must ensure that the alternative make offered is of similar or better specifications than those specified in the tender.

However, any bidder proposing an alternative make must seek prior approval from the Tendering Authority by submitting a request (along with complete technical details, product catalogues, compliance statements, and supporting documents) through pre-bid queries. The bidder should provide detailed specifications, catalogues, and any other relevant documents to substantiate the equivalence of the proposed make. The Tendering Authority will evaluate the proposed equivalent makes and confirm whether they are acceptable before the submission of bids.

Bidders are advised to submit their queries for equivalent makes well within the time frame specified for pre-bid clarifications. No post-bid requests for alternative makes will be entertained.

- b) **Financial Cover (Part-II).**
Shall contain the prices as per the price bid format.

The bidders shall be short listed for financial evaluation on the basis of Technical evaluation, submission of all documents and conditions laid down therein or elsewhere in the tender document and the financial bid of only short listed bidders shall be considered for final evaluation. Final selection of the bidder/s shall be based on the least financials quoted post Reverse Auction.

8. The Bid Security/Earnest Money Deposit may be forfeited in case of breach of any of the terms and conditions of RFP and:

- (a) if the Bidder withdraws the Bid after bid opening (technical bid) during the period of Bid validity;
- (b) in the case of a successful Bidder, if the Bidder fails within the specified time limit to
- Sign the Agreement; and /or
 - Furnish the required Security Deposit.
 - (c) in case of breach of any terms and conditions of this RFP.

9. Deadline for Submission of Bids

- Bid is to be uploaded by the Bidder online not later than the date and time indicated in the Appendix.
- To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the J&K Bank shall extend, as necessary, the deadline for submission of bids. The J&K Bank may extend the deadline for submission of bids by issuing an amendment. However, the decision of J&K Bank in this regard shall be final and binding. In such case all rights and obligations of the J&K Bank and the bidders previously subject to the original deadline will then be subject to the new deadline.

10. Bid Opening & Evaluation

Bid Opening/Evaluation

- The J&K Bank inviting the bids or its authorized representative will open the bids online and this could be viewed by the bidders online.
- The file containing the Part-I of the bid will be opened first.
- In all cases, the amount of earnest money deposit, cost of bid documents, and the validity of the bid shall be scrutinized. Thereafter, the bidders' names and such other details as the Bank may consider appropriate, will be notified as Part-I bid opening summary by the Authority inviting bids at the online opening. A separate electronic summary of the opening shall be generated and kept on-line.
- Evaluation of Part-I of bids with respect to earnest money deposit, Prequalification information and other information furnished in Part I of the bid, shall be taken up and completed and a list will be drawn up of the qualified bidders whose Part- II of bids are eligible for opening.
- The Bank shall inform the bidders, who have qualified during evaluation of Part I of bids, of the date, time of online opening of Part II of the bid, if the specified date of opening of financial bid is changed. In the event of the specified date being declared a holiday for the Bank, the bids will be opened at the appointed time and location on the next working day.
- Part II of bids of only those bidders will be opened online, who have qualified in Part I of the bid. The bidders' names, the Bid prices, the total amount of each bid, and such other details as the Bank may consider appropriate will be notified online by the Bank at the time of bid opening.
- Post opening of the commercial bids, The Bank shall be entitled to complete the entire procurement process through a **single Electronic Reverse Auction or in multiple Electronic Reverse Auctions**. The Bank shall however, be entitled to cancel the Reverse Auction process, if in its view procurement or Reverse Auction process cannot be conducted in a fair manner and / or in the interest of the Bank.

The Bank will be within its rights to ask the bidder to furnish any document at any point of time during technical evaluation and failure on the part of bidder to do so may lead to rejection of his bid. However, this in no way shall mean that the Bidder has a right, above the other Bidders, to be selected.

11. Award of Contract

Award Criteria

The Bank (J&K Bank) will award the Contract to the Bidder whose Bid has been determined:

(i) To be substantially responsive to the bidding documents and who has offered the lowest evaluated Bid price, provided that such Bidder has been determined to be :-

a) Eligible in accordance with the provisions, and

b) Qualified in accordance with the provisions; and

J & K Bank reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Bank's action and without assigning any reason thereof.

12 The Bidder whose tender is accepted shall execute an Agreement on Rs. 100/- stamp paper reiterating the acceptance of his Execution of work on these item rates and conditions as set forth in the contract.

13. J&K Bank Ltd. reserves the right to reject any or all the tenders without assigning any reason thereof.

14. Taxes which are admissible for deduction shall be deducted at source at the rates admissible at the time of payment of the bill of successful bidder.

15. The right of acceptance of a tender will rest with the **DGM BSD, J&K Bank Ltd., CHQ, Srinagar** who does not bind himself to accept the lowest tender and reserves with himself the authority to reject any or all the tenders received, without assigning any reason. Any tenders in whom any of the prescribed conditions are not fulfilled or are incomplete in any respect, are liable to be rejected.

16. Canvassing in connection with tender is strictly prohibited and the tender submitted by a Bidder, who resorts to canvassing, is liable to be rejected.

17. On acceptance of the tender, the name of the accredited representative(s) of the Bidder who would be responsible for taking instructions from the Engineer In Charge shall be communicated to the **Engineer In charge, J&K Bank Ltd., Srinagar**.

18. The bidder has to bid for all works contained item wise in the BOQ. The Bank has reserved right to accept the whole or any part of the tender and the bidder shall be bound to perform the same at the rate quoted.

19. The Bidder at the end shall add Goods & Service Tax separately which as per the government notification shall be payable at the time of payment with respect to the prevailing government rates at that time. The individual rates filled in the Tender shall be exclusive of GST but inclusive of all material plus labour, delivery, transportation, handling, wastage, levies and the such and include ALL costs/overheads to be incurred by the Bidder for executing these works as per the details, specifications, with the care, expertise and post execution responsibilities outlined in this Tender. No additional claim over the rates shall be entertained later.

20. The Tender for the work includes all the works as per BOQ and directions of the Engineer In charge.

21. The Bidder shall inspect the site at his own expenses before submitting the tender.

- 22.** The intending Bidder should not in any way quote more than one rate per item of work. In case the Bidder splits the quantity of any item of work and quotes more than one rate for the same, his tender will be rejected. The Bidders shall quote in figures as well as in words, the rates, & the amount tendered by them. The amount for each item should be worked out and the requisite totals be given.
- 23.** If successful bidder is unable to fulfil the work order within the stipulated period, then the Bank will have the right to allot work order to other participating bidders at L1 rates after giving **15 days'** notice to the defaulting bidder. Bank will have the right to cancel the contract and award the contract to other participating service providers.
- 24.** The Bank reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Bank's action.
- 25.** The bidder shall have no right to terminate the agreement.
- 26.** That upon expiration or termination of this Agreement for any reason whatsoever by the Bank, the successful bidder shall immediately refrain from any action that would cause or may indicate any relationship between it and the bank and handover to the bank, the possession of all the documents, material or any other property belonging to the bank that may be in its possession.
- 27.** The bidder should not have been black listed by any of the States/UTs/ PSU's/ Pvt. Organisations of the Country during last five years, from the date of issue of this e-NIT, and relevant annexure shall be uploaded with the Part-I of the Bid.
- 28.** The Bank reserves the right to allot the Work to other technically qualified bidders on L1 rates as decided by the Competent Authority as and when required in the interest of the tendered work.
- 29.** The successful bidder shall provide Technical Staff for executing the works as per relevant Safety Manual and relevant Standard Operating Procedure for safe working.

Sd/-

DGM BSD

ELIGIBILITY CRITERIA AND CREDENTIALS

Minimum Eligibility Criteria (Supporting documents should be uploaded by the bidder)

Sl. No.	Eligibility Parameter	Minimum Requirement
1	Legal Status	Bidder must be a registered Proprietorship / Partnership / LLP / Company
2	Statutory Registrations	Valid PAN, GST registration and Labour / EPF registration (as applicable)
3	Blacklisting	Bidder must not have been blacklisted by any Govt. / PSU / Private organization during last 5 years
4	Financial Turnover	Minimum Rs. 4.50 Crores cumulative turnover during last three financial years (FY 2022–23, 2023–24 & 2024–25)
5	Solvency	Valid Solvency Certificate of ₹1.00 Crore
6	Profitability	Bidder should not have incurred losses in more than two years out of last five consecutive financial years
7	Similar Work Experience	Experience of completing similar works during last 7 years meeting any one of the following: • Three works ≥ ₹120 Lakhs each OR • Two works ≥ ₹150 Lakhs each OR • One work ≥ ₹240 Lakhs
8	Definition of Similar Work	Development of Auditorium, theatres, convention centres, or multipurpose halls including Interiors, Acoustic Treatment, Audio, Video, Stage Lighting & allied works.
9	Recent Auditorium Experience	Completion of at least one Auditorium with AV System having seating capacity of 160 persons or more during last 36 months from bid submission date
10	Technical Manpower	Availability of qualified engineers / technicians including minimum one CTS-certified engineer or AVIXA membership (either full time or project specific)
11	OEM Authorization	Valid OEM Authorization Certificates for Audio, Video, Control & Stage Lighting systems
12	Tax Compliance	Submission of ITRs for last three financial years
13	Bid Security	Submission of EMD of Rs. 6.00 Lakhs (or valid exemption proof for eligible MSEs / Start-ups)
14	Tender Fee	Submission of Tender Processing Fee of Rs. 2,500 (or valid exemption proof, if applicable)
15	Undertakings	Submission of Unconditional Acceptance, Non-Blacklisting, Litigation & Bid Security Declarations(whenever applicable)

Note :- Failure to meet any one of the above eligibility criteria or non-submission of supporting documents shall render the bid liable for rejection at the technical evaluation stage.

Details to be filled by the bidder

S. No.	Particulars	Details/ Remarks
1	Name of the Bidder	
2	Constitution of Bidder (Whether proprietor, partnership, company etc.)	
3	Year of Establishment	
4	Name of Proprietor/ Partners/ Directors etc. as the case may be.	
5	Name of the authorized signatory along with contact no. and email id.	
6	Address of Office establishment along with contact no. & Email address	
7	PAN of bidding firm (Attach Along with PAN of Proprietor/ Partners/ Director / Authorized personnel)	
8	Registration No./ license (Attach Registration Certificate)	
9	GST No. (Attach GST Registration) along with latest GST clearance returns	
10	Labour/ EPF registration details & no. of employees registered (Attach Certificates)	
11	Tender fee details	
12	EMD details	
13	Turn over statement of last three financial years: - 2022-23, 2023-24 and 2024-25. (Supporting Balance/ Profit & Loss statement to be attached) Documents certified by Chartered Accountant regarding the same, should be submitted.	
14	Solvency certificate for an amount of Rs. 1.0 Crores	
15	ITR's for last three financial years:- 2022-23, 2023-24 and 2024-25.	

16	List of work orders duly executed in last seven years (Attach works orders along with corresponding completion certificates/ satisfactory performance certificates) ■ The qualified Bidder should have executed same or similar works. ■ Similar works completed in private firms shall be allowed subject to the submission of Completion certificate, Work order/Agreement as per BOQ and TDS for income tax for payment received for the work) Attach detailed summary list also	
17	Details of Engineers/ technicians, plant and machinery, manpower and financial resources.	
18	Unconditional acceptance letter Annexure I	
19	Undertaking for non-blacklist Annexure II	
20	Litigation certificate Annexure III	
21	Bid security declaration (if applicable) Annexure IV	
22	OEM Authorization Certificate Annexure V	
23	Bill of quantities having detailed technical specifications and technical compliance format Annexure X	
24	List of offered Make List Annexure XI	

Should this tender be accepted in whole or in part, I/We hereby agree:

1. To abide by all terms and provisions of the said conditions annexed here to and all the terms and provisions contained in the Notice Inviting Tenders, so far as applicable and / or in default thereof to forfeit & pay to the Bank, by their successors the sum of money mentioned in the said conditions.
2. To execute all the works referred to in the tender documents upon the terms & conditions contained or referred to therein & to carry out such deviations as may be ordered up to a maximum of **50% (fifty percent)** of the tendered value at the rates quoted in the tender documents.

Digital Signature of Contractor before Submission of Tender

Witness

1. _____
2. _____

sd/-

DGM BSD

INSTRUCTIONS FOR BIDDERS

1. Before e-BID, the Bidders, in their interest are advised to inspect and examine the site & its surroundings and satisfy themselves in respect of the site conditions as the Bank shall bear no responsibility for lack of acquaintance of the site and other conditions or any information relating thereto, on their part. The consequences of the lack of knowledge, as aforesaid, on the part of the Bidders shall be at their risk and cost.
2. Before submission of bid, the Bidders shall carefully examine the tender documents, general conditions of contract, special conditions of contract, specifications, & other matters referred to therein, the schedules and Bill of quantities and if there should be or appear to be any ambiguity in or discrepancy between any of these documents or between figured and measured dimensions and other aspects, he should immediately refer the matter in writing to the Engineer In charge for clarification.
3. Selection of the items according to specifications and approved makes will be as per the conditions of the contract. All the items before installing should be approved from Engineer of the Bank.
4. The Bank will not be responsible and will not pay for expenses which may be incurred or losses to person or property suffered by the Bidder in connection with visits to an examination of the site and in the preparation of his tender for submission.
5. The Bidder (whether or not submits a tender) shall treat the details of the documents as secret and confidential.
6. The Bank reserves the right to adjust arithmetical or other errors in any tender in the way, which it considers suitable. Any adjustments so made by the Bank shall be stated to the Bidder if the Bank shall make an offer to accept the tender.
7. The Bank does not bind itself to accept the lowest or any tender and has the right to refuse or accept any tender without assigning any reason (s) thereof. The Bank shall also have right either to invite more Bidders for submitting bids or re-issue the tender afresh at its own discretion for which the original Bidders shall have no right of objecting any action taken in this behalf, nor the Bank shall be bound to any explanation.
8. All documents of the tender are to be read in conjunction with each other and Bidder shall take this aspect into consideration while quoting the rates.
9. It will be the responsibility of the successful Bidder to keep liaison with the Bank till finalization of Letter of Acceptance or within validity period. No excuse whatsoever will be entertained for not having received the allotment letter/Letter of Acceptance through post or otherwise.
10. The value of all executed works by the bidder 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 receipt of applications for bids.
11. GST and Labour-Cess etc. as applicable shall be borne by the contractor himself. The contractor shall quote his rates considering all such taxes.
12. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheets ending 31.03.2025, duly certified and audited by Chartered Accountant
13. The bidder should have sufficient number of Technical and Administrative employees for the proper execution of the contract. The bidder should submit a list of these employees stating clearly how these would be involved in this work.
14. The bidder's performance for qualifying works completed in the last Seven years should be certified by an officer not below the rank of Executive Engineer or equivalent.

APPENDIX TO FORM OF TENDER

S.No	Particulars	Description
1	Earnest Money / Security Deposit:	Rs. 6,00,000/- to be deposited to the prescribed A/c through NEFT or Transfer only. UTR No. / Tran No. Tran dates be uploaded on the e-Tendering Portal as Proof. However, the successful bidder is required to submit a security deposit of equivalent to 10% of total contract value in the shape of CDR/Bank Guarantee at the time of formal allotment & shall be released after expiry of 60 days of defect liability period.
2	Period of commencement:	Date of issue of letter of acceptance or the date of handing over of site whichever is later.
3	Time of Completion	180 calendar days
4	Reverse Auction	The Tender shall be put to reverse auction to get a final successful bidder and work shall be allotted to the lowest bidder after the reverse auction.
5	Liquidated damages for delay:	0.5% (Zero decimal five percent) of Gross Contract value per week or part thereof subject to a maximum 10% of contract value
6	Limit of liquidated damages	Up to a maximum of 10% (Ten percent) of Contract Value.
7	Defects Liability /Maintenance period	3 years from the date of virtual completion as issued by Engineer.
8	Retention Money	5% shall be withheld as retention money from running & final bills on the Gross amount including Taxes, which shall be released after the expiry of Defect Liability Period. Successful bidder can submit Bank Guarantee in lieu of retention money at the time of completion of project.
9	Quantities	Quantities as per BOQ liable to change as per work done at site.
10	Running Payments	As per annexure
11	Final Payment	Final payment shall be made after completion certificate by the engineer and joint measurements with the contractor subject to deduction of 5% retention money which will be released after successful completion of the defect liability period.

FORM OF AGREEMENT
(On Stamp Paper 100/=)

ARTICLE OF AGREEMENT made at Srinagar on _____ of Two Thousand Twenty Six between J&K BANK, having its Head office at Maulana Azad Road, Srinagar (J&K), through the DGM(BSD) hereinafter called "Bank" (which expression shall include its successors and assigns wherever the contract meaning shall so require or include its successors & assigns wherever the contract meaning shall so require or permit of the one part and M/s. _____) hereinafter called the "Contractor" of the other part.

WHEREAS the Bank is desirous of having provided and getting executed, completed and maintain certain works for **Re-development of Auditorium at J&K Banks Corporate Headquarters by way of composite works** as mentioned, enumerated or referred to the Documents forming part of the "TENDER" and acceptance, copies of all of which hereto annexed are designed to form part of this contract and are included in term "CONTRACT" wherever herein used.

AND WHEREAS the Bank accepted the tender of the contractor for the provisions of execution, completion & maintenance of work under defect liability period of the above said work.

AND WHEREAS the individual rates filled in by the CONTRACTOR are exclusive of GST but inclusive of all material plus labour, delivery, transportation, handling, wastage, levies and the such and include ALL costs/overheads to be incurred by the CONTRACTOR for executing these works as per the details, specifications, of the Engineer with the care, expertise and post execution responsibilities outlined in this Tender. THE CONTRACTOR confirms that no additional claim over the rates shall be entertained later by THE BANK.

AND WHEREAS the contractor has agreed with the Bank to execute complete and maintain during the defect liability period subject to the conditions and instructions set forth herein (hereinafter referred to as "the said conditions") the works, shown upon the documents forming part of the contract as stated hereinafter, on the item rate basis & as set forth, amounting to the contract sum of Rs. _____ (IN WORDS) (hereinafter referred to as "the said contract amount /Price/Sum").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The terms and conditions laid down in the documents stated herein in the Clause shall be read and construed as forming part of this Agreement and the contractor shall abide by, terms and conditions, specifications and rates specified therein and perform agreement in accordance with such conditions".
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - a. The said tender and Appendix
 - b. Form of Tender
 - c. General conditions of Contract
 - d. The Special Conditions of Contract.
 - e. Specifications
 - f. Preamble to bill of quantities and priced bill of quantities as accepted.
 - g. The letter of Acceptance
 - h. Other additional documents as required
3. In consideration of the payment to be made by the Bank to the contractor for the work to be executed by him, the contractor does hereby agree with the Bank to provide, execute & complete the said work on or before the date mentioned in the time schedule of completion of work attached to the tender documents strictly as per the contract agreement and shall maintain the same at his own cost during the defects liability period , thereafter perform all such aspects and things in the contract mentioned or described or which are to be implied thereafter or may be reasonable necessary for the completion of the said works and at the time and the manner subject to the terms and conditions or stipulations mentioned in the contract.
4. In consideration of the due provisions, execution and completion of the said works the Bank does hereby agree with the contractor that the Bank will pay to the contractor the respective amount for the work actually done by him and such other sums as may become payable to the contractor under the contract. Such payment to be made at any such time & in such manner as provided for in the agreement.

5. All disputes arising out of or any way connected with this agreement shall be deemed to have arisen in J & K and only the courts at **Srinagar** shall have jurisdiction to determine the same.

6. The several parts of this contract have been read by/to us and fully understood by us.

7. This Agreement shall come into effect on _____ (the effective date). The agreement shall remain in force for a period 180 Calendar days from the said effective date till the envisaged timeframe for completion or actual date of completion whichever is later.

8. Termination

(i) The Bank may at its sole discretion without assigning any reasons whatsoever and at any time terminate this Agreement and inform the Contractor by written notice.

(ii) In case of breach of any of the terms and conditions of the Agreement by the Contractor a written notice of 15 days will be served by the Bank for termination. In the event of the Agreement being so terminated, the Contractor shall take such steps, as are necessary to bring the services to an end in a cost effective, timely and orderly manner.

(iii) The Bank also reserves its right to terminate the Agreement in the event of one or more of the following situations without giving any notice:

(a) Unnecessary or unwarranted delay in execution of the work allotted.

(b) Delay in providing the requisite manpower.

(c) Breach of trust is noticed during any stage of the assignment.

(d) Services found to be unsatisfactory; and

(e) for any other valid reason.

(iv) The Contractor shall be liable to face losses, is any, caused to the Bank due to termination caused due to the breach of any of the terms and conditions of the Agreement by the Contractor.

7. That upon expiration or termination of this agreement for any reason whatsoever, the contractor shall; i) Immediately refrain from any action that would cause or may indicate any relationship between it and the bank . ii) Forthwith hand over to the bank, the possession of all the documents, material or any other property belonging to the bank that may be in its possession.

8. The bank reserve the right to terminate this agreement without assigning any reason thereof.

9. The successful bidder undertakes to keep the J&K Bank indemnified in case of any loss or damage including but not limited to any damages to the bank's premises howsoever arising out of or related to breach of contract, statutory duty or negligence by the contractor in his performance of the contract.

10. The provision of this agreement, which are intended to survive the term of this agreement by their very nature, shall survive the termination of this agreement. Notwithstanding, arbitration and applicable law and jurisdiction shall survive the termination/expiration of this agreement.

11. The Security deposit will be forfeited by the bank in case of breach of any of the terms and conditions of this agreement.

12. The contractor shall not assign or outsource the works undertaken by them under this RFP assignment awarded by the Bank.

13. The selected bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if any to the extent that its delay in performance or other failure to perform its obligation under this contract is the result of an event of force Majeure.

For purpose of this clause, "Force Majeure" means an event beyond the control of the contractor and not involving the contractors fault or negligence and not foreseeable. Such events may be due to but are not restricted to wars, riots, earthquakes, fire, epidemic, quarantine restrictions, any act of god, act of Govt. of India, trade embargos, or any other such cause, which is beyond the reasonable control of the party

The party claiming benefit of force majeure shall however not be entitled to the same unless it has intimated the other party of the occurrence of such an event within 14 days from the occurrence of such force majeure event

indicating therein the steps that it is taking or intending to take to mitigate the effect of such force majeure on the performance of his obligations under this agreement and shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

Notwithstanding above, the decision of the bank shall be final and binding on the contractor regarding termination of contract or otherwise”.

14. **Dispute resolution/arbitration:** In the case of any dispute arising upon or in relation to or in connection with this Agreement between parties, the disputes shall at the first instance be resolved through negotiations. If the dispute cannot be settled amicably within fourteen (14) days from the date on which either Party has served written notice on the other of the dispute then any party can submit the dispute for arbitration under Arbitration and conciliation Act,1996 through sole arbitrator to be appointed by the bank.

The place of Arbitration shall be Srinagar, India and the language of the arbitration proceedings and that of all the documents and communications between the parties shall be English.

The decision of the arbitrator shall be final and binding upon the parties. The expenses of the arbitrator as determined by the arbitrator shall be borne equally.

The successful bidder shall continue work under the Agreement during the arbitration proceedings unless otherwise directed in writing by the client or unless the matter is such that the work cannot possibly be continued until the decision of Arbitrator or the Adjudicator, as the case may be, is obtained.

15. The terms and conditions laid down in the NIT shall be read and construed forming part of this service level agreement. In an event of contradiction on any term or condition between NIT and this agreement, the terms and conditions of agreement shall prevail.

16. All notices or other communication under or in connection with this agreement shall be given in writing and may be sent by personal delivery, or post or courier or facsimile or email. Any such notice or other communication will be deemed to be effective if sent by personal delivery, when delivered, if sent by post, three days after being deposited in the post office and if sent by courier, three days after being deposited with the courier, if sent by facsimile, when sent (on receipt of a confirmation of having been sent to correct facsimile number) and if sent by mail (on receipt of confirmation). _____(contact details of contractor)
_____(contact details of Bank).

17. IN WITNESS WHEREOF, the parties have caused their respective common seals to be here unto affixed (or have here unto set their respective hands and seals) the day and the year first above written:

NAME_____

NAME_____

ON BEHALF OF THE BANK
CONTRACTOR

ON BEHALF OF THE

1. SEAL

SEAL

2 ADDRESS

ADDRESS

In Presence of:

GENERAL CONDITIONS OF CONTRACT

1. Extent of Contract

The contract comprises the **Re-development of Auditorium at J&K Bank Ltd. Corporate Headquarters by way of composite works**

2. Letter of Intent / Acceptance / Award

Before signing of the contract, the Bank may issue by registered post or by otherwise, depositing at the registered office of the contractor, letter of Intent / Acceptance to enter into a contract with the contractor for the execution of the works in accordance with the contract. Upon issue of such Letter of Acceptance / Intent by the Bank, the Bank shall be deemed to have signified his intention to award the contract, however, the process shall be deemed to be complete only when the contract has been entered into by the Bank & the contractor. However, until a formal contract agreement is prepared & executed, the tender together with the Bank's letter of intent shall constitute a binding contract between the parties, provided the Security Deposit as required under the contract shall have been furnished by the contractor

3. Contract Agreement

Within 14 days after the issue of letter of acceptance, the contractor shall have to enter into a written deed of agreement incorporating all the terms & conditions as embodied in the Tender Documents or modified subsequently in writing and those contained in the letter of acceptance, with the Bank. The contractor shall not sub-contract the work without written permission of the Bank.

The following documents shall be deemed to form and be ready and construed as part of the contract agreement.

- a) The said Tender & Appendix
- b) Form of Tender
- c) General Conditions of Contract
- d) Special conditions of Contract
- e) Letter of Acceptance
- f) Contract Price
- g) Priced bill of quantities as accepted.
- h) Specifications
- i) Other additional documents as required.

4. Language (s)

The language in which the contract documents shall be drawn up shall be English.

5. Documents Mutually Explanatory

Except if & to the extent otherwise provided by the contract, the provisions of the conditions of contract shall prevail over those of any other document forming part of the contract. Subject to the foregoing, the several documents forming the contract are to be taken as mutually explanatory of one another but in case of ambiguities or discrepancies, the same shall be explained & adjusted by the Site Engineer who shall thereupon issue to the contractor instructions directing in what manner the work is to be carried out.

6. Contractor's General Responsibilities

The contractor shall, subject to the provisions of the contract, and with due care & diligence, execute, complete & maintain the works & provide all labour including Supervision, materials, constructional plant & all other things, whether of a temporary or permanent nature, required in and for such execution, completion & maintenance so far as the necessity for providing the same, excluding those to be provided by the Bank is specified in, or is reasonably to be inferred from the contract. Temporary electric, water charges & any other extra charges shall be paid by the contractor & nothing shall be paid by the Bank.

The contractor shall carry out and complete and maintain the works in accordance with accepted good engineering practices and using materials and workmanship of the quality and standards therein specified provided that where and to the extent that approval of the quality of materials or of the standards of workmanship is a matter of option, such quality & standards shall be to the satisfaction of the Bank or Engineer in Charge or his Representative.

7. Safety of Site Operations

The contractor shall take full responsibility for the safety, stability and adequacy of all site operations and methods of construction including all temporary works, provided that the contractor shall not be responsible, except as may be expressly provided in the contract, for the design or specification of the permanent works.

8. Absence of Specification

If the specifications do not contain particulars of materials and works which are obviously necessary for the proper completion of the works, and the intention to include, which is inferred, all such materials and works shall be supplied and executed by the contractor without extra charge. If the contractor requires additional information, he shall, so request in writing, well in advance to commencement of the particular work, to the Engineer In charge who will issue such detailed information as necessary within a reasonable time.

If, however, during the execution of the works, the contractor shall encounter physical conditions or obstructions constituting Force Majeure and which could not have been reasonably foreseen by an experienced contractor, the contractor shall forthwith give written notice thereof to the Engineer In Charge / Engineer's representative within two weeks after its occurrence and if in the opinion of the Engineer In Charge, such conditions or obstructions until so instructed by the Engineer In Charge except in the event of there being an urgent need to undertake remedial or other works or repairs to reduce risks of injuries or damages to persons or property.

Unless otherwise directed by the Bank in writing, the selected successful bidder shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

9. Obtaining Information related to execution of work

No claim by the contractor for additional payment will be entertained which is consequent upon failure on his part to obtain correct information as to any matter affecting the execution of the works nor will any misunderstandings or the obtaining of incorrect information or the failure to obtain correct information relieve him from any risks or from the entire responsibility for the fulfilment of the contract.

10. Work to be to the satisfaction of Bank

The contractor shall execute, complete and maintain the works in strict accordance with the contract to the satisfaction of the Bank & shall comply with and adhere strictly to the Engineer's instructions and directions on any matter (whether mentioned in the contract or not) touching or concerning the works. The contractor shall take instructions and directions only from the Engineer. All execution of works & materials should be as per tender specifications. Materials for which specification is not given in tender in that case prior approval from the bank. Contractor is strictly advised not to use sub standard materials. And if any sub standard material is used or found then a penalty of two times the difference in cost of standard material less sub standard material must be collected from the vendor. i.e.; $\text{Penalty} = 2 \times (\text{Cost of Standard Material} - \text{Cost of Sub Standard Material})$ or bank have the right to hold the cost of that particular item and entire amount of the project will not be paid.

11. Night or Sunday Work

Keeping in view the Urgency, the contractor can be asked to do the work at night, by special order, the contractor would be required to carry out the work at night, without conferring any right on the contractor to claim extra payment for night working. The decision of the Engineer in charge in this regard will be final and binding on the contractor.

12. Corrupt and Fraudulent practice.

- It is required that Bidders observe the highest standard of ethics during the procurement and execution of such contracts and not to indulge in any corrupt and fraudulent practice.
- "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of an official in the procurement process or in contract execution.
- "Fraudulent Practice" means a misrepresentation of facts in order to influence a procurement process or the execution of contract to the detriment of the Bank and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Bank of the benefits of free and open competition.

- The Bank reserves the right to reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
- The Bank reserves the right to declare a Bidder ineligible, either indefinitely or for a stated period of time, to be awarded a contract if at any time it becomes known that the firm has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

13. Liquidated Damages:

Should the work not be completed to the satisfaction of the Site Engineer within the stipulated period due to Contractors default, the contractor shall be bound to pay to the Bank, a sum calculated as below by way of liquidated damages and not as penalty during which the work remains un-commenced or unfinished after the expiry of the completion date.

If the contractor fails to complete the work by the scheduled date of completion or within any sanctioned extended time, he will have to pay liquidated damages at rate of 0.5 % of the contract value for each week of delay subject to maximum of 10 % of the contract value.

14. Force Majeure:

i. The Selected Bidder shall not be liable for forfeiture of its performance security, Liquidated damages or termination for default, if any to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

ii. For purposes of this Clause, "**Force Majeure**" means an event explicitly beyond the reasonable control of the Contractor and not involving the contractors fault or negligence and not foreseeable. Such events may be due to or as a result of or caused by act of God, wars, insurrections, riots, earth quake and fire, revolutions, civil commotion, floods, epidemics, quarantine restrictions, trade embargos, declared general strikes in relevant industries, satellite failure, act of Govt. of India, events not foreseeable but does not include any fault or negligence or carelessness on the part of the parties, resulting in such a situation. In the event of any such intervening Force Majeure, either party shall notify the other in writing of such circumstances or the cause thereof immediately within 14 days.

iii. Unless otherwise directed by the Bank in writing, the selected contractor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

iv. In such a case the time for performance shall be extended by a period(s) not less than duration of such delay. If the duration of delay continues beyond a period of three months, the Bank and the contractor shall hold consultations in an endeavour to find a solution to the problem.

v. Notwithstanding above, the decision of the Bank shall be final and binding on the contractor regarding termination of contract or otherwise."

15. Electronic Reverse Auction.

The said work shall be put to electronic reverse auction before opening of the financial bids.

Electronic Reverse Auction is a type of auction where the starting price, bid decrement, duration of auction, maximum number of automatic extensions are announced before start of online reverse auction. The shortlisted bidders shall after the start of RA start bidding online in an iterative process wherein the lowest bidder at any given moment can be displaced by an even lower bid of a competing bidder, within the duration of the RA. If a new lower bid is received within last few minutes (say two minutes) of closing time, the closing time may get automatically extended by few minutes (at least five minutes) for others to respond. Maximum number of such extensions may be stipulated (at least five). The most favourable bid at the end of stipulated/extended time will be declared as successful. The Reverse Auction shall be scheduled for a fixed time period. Auctions may be

arranged in any combination of time periods for e.g. (a) 1-1/2 hour viz. 1 hour with 6 extensions of 5 minutes each or (b) 1 hour viz. 1/2 hours with 6 extensions of 5 minutes each or (c) Unlimited extensions viz. 1/2 hour with unlimited extensions of 5 minutes each.

All the price bids (Indicative bids) submitted by the vendors shall be kept sealed to the event of e-reverse auction. At the end of reverse auction process, the lowest Bidder (L1) will be selected on the basis of Total Price, including taxes.

In case the Prices arrived after Reverse Auction are more than the Indicative prices of any of the vendors, The Lowest Indicative prices of the vendor shall be considered and that vendor shall be declared the Lowest Bidder.

Bidding Example:

The final rates of the items shall be calculated in ratio of total amount quoted by the lowest bidder through reverse auction process and the amount quoted in indicative price bid, wherever specified in tender.

Example:

Indicative Price Bid submitted by vendor:

Item	Rate ®	Qty	Amount
A	100	2	200
B	200	3	600
C	300	4	1200
Total amount in Indicative price Bid			2000/-

The total amount mentioned in indicative price bid is Rs 2,000.00, but the final L-1 amount quoted by the vendor through E-reverse auction is Rs.1,600.00, then the K factor for L-1 vendor will be calculated as under
 Ratio K= (Total amount quoted by the lowest bidder through reverse auction process) / (The amount quoted in indicative price bid)

$$K=1600 / 2000= 0.8.$$

The item wise final price to be confirmed by the vendor shall be as under:

Item	Final Rate= K*R	Qty	Amount
A	100*0.8	2	160
B	200*0.8	3	480
C	300*0.8	4	960
Total amount worked out after e- reverse auction			1600/-

16. After execution of the agreement with the successful bidder the relation of parties will be on principal to principal basis.

17. The Bidder shall not assign or outsource the works awarded by the Bank without the written consent of the Bank.

18. The successful bidder shall indemnify and keep J & K Bank, its Officers, Directors, employees indemnified in respect of any loss, damage or claim howsoever arising out of or related to breach of contract, statutory duty or negligence by the firm or its staff, agents in relation to the performance or otherwise of the services to be provided under the contract.

19. Dispute resolution/arbitration: In the case of any dispute arising upon or in relation to or in connection with this agreement between parties, the disputes shall at the first instance be resolved through negotiations. If the dispute cannot be settled amicable within fourteen (14) days from the date on which either party has served written notice on the other of the dispute then any party can submit the dispute for arbitration under arbitration and conciliation Act, 1996. The sole Arbitrator shall be chosen by the bank.

The Place of Arbitrations shall be Srinagar, Jammu & Kashmir, India and the language of the arbitration proceedings and that of the documents and communication between the parties shall be English.

The Decision of the Arbitrator shall be final and binding upon the parties. The expenses of the arbitrator as determined by the arbitrator shall be borne equally.

The parties shall continue to be performing their respective obligation under this Agreement, despite the continuance of the arbitration proceedings, except for the disputed part under arbitration.

20. Each Bidder having responded to this NIT acknowledges to have read, understood and accepts the selection & evaluation process mentioned in this NIT documents. The bidder ceases to have any option to object against any of these processes at any stage subsequent to submission of its responses to this NIT.

21. All Notices or Communications under this Agreement shall be first sent to E- mail to such e – mail addresses designated by each party, followed by registered post with acknowledged, where appropriate and required, to the address of each party first written above. A successful e mail delivery shall be treated as sufficient and complete delivery of the notice or communication. A notice by post will be sent by registered post acknowledge to the address set forth below, or such other address as it shall hereafter designate for this purpose:

In the case of a notice to the bank to:engineering.chq@jkbmail.com

In the case of a notice to contractor: email address registered with the bank.

Such notices shall be deemed to be received within three working days of the same being sent.

22. Bank reserves the right to select the next ranked bidder, if after selection the selected bidder withdraws his offer or bank detects wrong or misleading information in the proposal, in case the selected bidder withdraws his offer or if it is found that the information furnished by the bidder is wrong and misleading. Bank reserves right to take action as it deems fit, including forfeiture of EMD, claim for damages against the bidder.

23. Labour License: All the Bidders must necessarily possess a valid Labour license (if applicable) obtained from concerned Govt. labour department. The said license is necessary for executing contract works under relevant provisions of different laws for the time being in force including but not limited to the Contract Labour (Regulation & Abolition) Act, 1970. It may be noted that no work order/Allotment shall be issued to the lowest bidders not submitting the relevant labour license.

24. Performance guarantee (Security Deposit): The successful bidder is required to submit a security deposit of equivalent to 10% of total contract value in the shape of CDR/Bank Guarantee at the time of formal allotment.

25. Extension of Time (EoT) may be granted by the Engineer-in-Charge for reasons beyond Contractor's control, including force majeure, change in scope, or delay attributable to the Bank, without levy of LD.

SPECIAL CONDITIONS OF CONTRACT

- 1** If the Bank feels necessity of amending the specifications and or installing of any equipment / material which have not been quoted for by the contractor, the same shall have to be installed by the contractor which shall be paid as per actuals based on LMR and analysed as per CPWD Schedule of Rates and analysis.
- 2** The commercial Bids of only those contractors / firms who qualify the prequalification laid by the Bank shall be considered.
- 3** The work shall be carried out strictly according to the terms & conditions, specification, design, drawing and plans. Where specifications do not cover any item, the specifications, terms and conditions of UT PWD / CPWD/ PDD in force shall be made applicable. All other terms and conditions not covered but in vogue in the CPWD shall hold good and form a part of the e-NIT.
- 4** No advance payment in the form of site mobilization advance, material advance etc. will be paid to Contractor. Running payments will be released after satisfactory completion of the portion of the works and measurement.
- 5** All other terms and conditions not covered but in vogue in the CPWD shall hold good and form a part of the e-NIT.
- 6** In the event of contract failure Bank reserves the right to terminate the contract after giving 15 days clear notice to the contractor and recover the amount of the loss caused by the damage, failure, default (including the consequently damage) as may be determined by The DGM (J&K) Bank or his authorized representative.
- 7** The contractor shall provide company warranty cards of various items installed during the execution of works. Final bills shall be processed only after submission of the same.
- 8** The Scope of work is detailed out along with this bid package. Bidder should refer to the same while preparing the bid-return.
- 9** The Bidder should cross check the quantities mentioned in the 'Summary of items' sheet with the individual BOQ for respective rooms. Bidder should also take into account various accessories and items mentioned in the schematic drawing which may not reflect in the BOQ.
- 10** Upon submission of the quote (bid return), it is assumed that the bidder has understood the entire design and the functionality and shall take the responsibility of executing the project. The contractor shall consider all the accessories and parts that may be required to make the design work and shall quote accordingly.
- 11** Any additional items / components as required for successful completion of work under taken may be assessed by the Bidder and the same may be incorporated in the bid. The BOQ as assessed by the Bidder as above should be clearly indicated in the bid.
- 12** Accessories – scaffolding, power supply, universal mounting bracket and other optional add-ons required for installation and design should be considered by the bidder while quoting (It should include but not limited to power Supply, flash memory card, rack mounting kit etc.). The costs associated with scaffolding should be included in the overall tender cost. Any additional charges for scaffolding will not be considered as separate or extra to the tender price."
- 13** Up on submission of the bid, it is assumed that the bidder has understood the entire design and the functionality and shall take the responsibility of executing the project. The contractor shall consider all the accessories and parts that may be required to make the design work and shall quote accordingly.

14. While quoting for products, bidder should mention the make, model & part number in the BoQ and attach the specification sheet along with the bid return.
15. The Bidder shall refer to the technical, specifications, drawings and other section of the Bid Package which forms an integral part of the contract document
16. The items contained in this bill of quantities provides only brief descriptions of the resources, material and workmanship required and contractor shall be deemed to have taken full account in his rates and prices for all duties and liabilities imposed.
17. The bidder shall submit, prior to execution of any work, detailed method statements including submission of product technical information sheets etc for approval by Client/consultant, and only after such approval, the contractor can proceed with executions
18. Bidder shall be deemed to have included all costs and time implications in compliance with the above conditions and requirements.
19. The Bidder shall provide on request with a full and detailed breakdown of the rates and prices for any item, the breakdown shall show the actual calculations of the general and preliminary items, the labour, the plant and material cost for the works.
20. All the Equipment provided under this contract shall be complete with power cables. The Equipment shall operate on 220 volts, 50 Hz single phase AC power supply and the power cables shall be fitted with 3 pin, 5A (OR) 15A plug tops complying with Indian Electrical Standards.
21. Equipment are to be supplied under this contract shall be the industry proven products and not the R&D models. The equipment shall confirm to the requirements of relevant Indian and International standards.
22. All the components of the main system shall be from the same Original Equipment Manufacturer (OEM). Assembled product of different makes or refurbished products shall not be accepted.
23. The unavailability of any product / model no. to be intimated by the bidder at the time of tendering as no reason for asking about the substitution/deviation of any product shall be entertained after award of the work.
24. The copy of purchase orders placed on various vendors shall be provided by the contractor for authentication of timely execution of work.
25. The Contractor shall ensure that product/technologies/service quoted under this project are not declared End-of-Life (EOL) by the respective OEM and also shall ensure that proposed product is not nearing End-of-Life.
26. The OEM shall provide the declaration for the service support of the proposed product for next seven years from the date of handing over the system to the client.
27. The Bidder shall include **03-year free maintenance (also known as, defect liability period) and shall include 4hr response time and maximum one week resolution time under service level agreement**. The Bidder shall guarantee the replacement of faulty materials and workmanship within 48 hours of notification at no cost to the Client, if failure occurs during warranty period. He shall provide standby equipment as required to keep the system operational if the system cannot be repaired within 48 hours of notification.
28. The acceptance of the bidder's proposal will rest with the Client, and the client reserves to itself the right and authority to reject any proposal received without assigning any reason thereof.
29. Bidders may offer more than one make but all the items of any product line should be of same make only.
30. Since these are specialized services, the work should be executed by specialized vendors only.
31. The successful bidder shall have to supply the sample of the products, for the interior/acoustics/civil items mentioned in BOQ before actually commencing the work at site.
32. If any bidder does not fulfil the above required criteria and does not submit all above asked documents online then the tender bid of the said bidder may be rejected without any further correspondence.

Department reserves the right to accept/reject any or all the tenders in part/full without assigning any reason thereof.

33. Unbalanced bid:- In case the offered/ quoted price of the successful bidder (L1) is unbalanced, the successful bidder shall have to deposit additional performance security in the shape of CDR/ FDR/ Bank Guarantee to the extent as per the following breakup before award of contract. The additional performance security thus deposited by the L1 shall be released in the favour after completion of the work.

S. No.	Percentage rate (total inc. taxes) as quoted by L1	Additional performance security to be deposited on the offered / quoted price by L1
1	Upto 15% below	Nil
2	Above 15% and upto 20% below	3%
3	Above 20% and upto 25% below	4%
4	Above 25% and upto 30% below	5%
5	Above 30% below	10%

SCOPE OF WORK

1. **Scope:** The general character and the scope of the work is illustrated and defined by the Specifications and the Schedule of Quantities herewith attached and by the signed drawings. If the contractor shall find any discrepancy in or divergence between the Contract Drawings and or the **Contract Bills** he shall immediately give to the client/consultant, a written notice specifying the discrepancy or divergence and the client/consultant, shall issue instruction in regard thereto.
2. **Extent:** The contractor shall carry out and complete the work in every respect in accordance with the contract and with the directions of and to the reasonable satisfaction of the client/consultant, . the client/consultant, may in his absolute discretion and from time-to-time issue further drawings, details and/or written instructions, written directions and written explanations all of which are collectively referred to as client/consultant, 's instructions. All such drawings and instructions shall be consistent with the Contract Document, true development thereof and reasonably inferable there from.
3. **Intent:** The intention of the documents is to include all labour and materials equipment and transportation necessary for the proper execution of the work. All such drawings and instructions shall be consistent with the Contract Documents, true development thereof and reasonably inferable there from. Materials of work described in words, which so applied, have a well-known technical or trade meaning shall be held to refer to such recognized standard.
4. The contractor shall provide a turn-key audio visual system installation including, but not limited to, all cabling, loudspeakers, projection equipment, and electrical components including the necessary equipment, interconnections, transducers, labour, and services required to meet the functional requirement outlined in the design documents.
5. **Sub-contractor**
No Sub - contracting shall be allowed
6. **Samples and shop drawings**
 - i) After the award of the contract, the contractor shall submit the samples for all acoustics materials, paper mache, carpet for the-approval of the client/consultant, with such promptness as to cause no delay in his work. Samples shall be delivered as directed by the client/consultant.
 - ii) A schedule giving dates for the submission of samples and detailed schedule of programme in the form of a bar chart for the whole work shall be immediately provided by the contractor. Unless specifically authorised all samples must be submitted for approval within fifteen days of signing the Contract and not less than thirty days before the date the particular work involved, is scheduled to begin.
 - iii) The client/consultant, shall check and approve such samples, with reasonable promptness only for conformity with the design concept of the works and for compliance with the information in the contract documents. The work shall be executed in accordance with the approved samples.
7. All aesthetic issues to be coordinated and approved by the client/consultant.
8. The Contractor shall:
 - a. Provide & lay conduits, make penetrations, install wire raceways, back boxes, and cabling connecting system components etc. as required for all said system.
 - b. Verify AC power requirements for each equipment location. Provide and coordinate installation of any additional or related cabling or conductor circuits.
 - c. Coordinate the installation of the video wall mounting and structural issues with the other contractors associated with the Project/Engineer-in-charge.
 - d. Verify site conditions including dimensions and clearances.

- e. Conduct preliminary testing and adjustment. Submit documentation required by this Specification. Participate in approval testing for acceptance by the Client. Perform final adjustments as required to meet the Specifications.
- f. Label equipment and cables corresponding to schematics.
- g. Conduct adjustments and preliminary testing.
- h. Report results of preliminary testing along with system documentation.
- i. Participate in acceptance test and deliver final system and documentation.
- j. Conduct any adjustments or re-testing required to meet the performance specifications.
- k. Provide training to an individual(s) designated by the Client/consultant.
- l. Deliver "as-built" system documentation including Manufacturer's User Manuals. Transfer all warranties and equipment guarantees to the Client and provide a written description of system operation at the time of acceptance of the Work by the Client/Consultant.

QUALITY ASSURANCE

1. Supervision: Contractor shall designate a Project Supervisor to oversee the installation work for the duration of the Work to ensure that the system is installed in accordance with the Specification and Drawings.
2. Project Supervisor shall maintain adequate staff and be responsible for installing and testing the system on schedule.
3. Project Supervisor shall have at least five years of documented, recent, and similar project experience.
4. The Client reserves the right to make use of the system prior to the completion of the Work. Temporary use of the equipment shall not constitute an acceptance of the system or any part. The Client shall not pay additional cost to the Contractor and the commencement of the warranty period shall not begin for the system or any device prior to the completion of the punch list and final acceptance of the system by the Client.
5. Contractor shall promptly notify the Client in writing of any difficulties that may prevent proper coordination or time of completion of the Work. Failure to do so shall constitute acceptance of work and indicate that the site is suitable in all ways for this Work, except for defects that may develop in work of others after commencement of system installation.
6. Bidder shall provide details specialized Man Power having minimum 1 CTS certified engineers or AVIXA membership certificate of bidder/ contractor.

SUBMITTALS

Contractor shall comply with the General Requirements and General Conditions of this Specification.

Entire responsibility towards the successful execution of the Acoustics, Interior, AV Systems, Stage Lighting & Furnishing and associated allied systems of the project shall remain with the Bidder.

The Bidder is advised to visit the site and familiarize themselves with installation site prior to bidding for the project.

1. **Bid Submittals:** Contractor shall submit the following qualification documents with its bid proposal:
 - a. Firm description of the Contractor.
 - b. The bidder shall submit the authorization certificate from OEMs for all audio, video, control and switching devices
 - c. Resume of Project Supervisor documenting related experience. Project Supervisor must have completed at least one similar installations in the past 24 months.
 - d. Submit a list of major equipment components along with any deviations to the System Design and Specification.
 - e. Names, firm description, job foreman, copy of license, and scope of work for any personnel whose work would be part of this Contract.
 - f. Along with their bids, the Bidder shall provide complete technical information consisting of the following:

- Details on makes and models being submitted such as model nos. and version nos.
- Datasheets and technical literature for the products being submitted
- Compliance to the minimum required specification in prescribed format
- Deviations from the minimum required specifications, if any, in the prescribed format
- Manufacturer's Authorization in the prescribed format

Upon awarding of the contract, the Bidder shall provide technical datasheets and specification sheets for approval for all items prior to initiating any supply.

If any OEM-specific accessories and options are required especially such, but not limited to items such as additional power supplies, transformers or auto-transformers for voltage levels, mounting arrangement, fixtures, set of proprietary cables and licenses etc., the Bidder shall supply the same without any extra to the client as required with specific makes and models being supplied, irrespective of whether or not explicitly mentioned in the BOQ so as to make the AV system operational.

2. Construction Submittals

- a. Submit complete equipment list by manufacturer, model number and type. Clearly describe any deviations from and exceptions to the Specifications and Drawings.
- b. Shop drawings consisting of schematic layouts.
- c. Shop drawings consisting of equipment layouts (furniture and RCP coordinated).
- d. Simulation calculations based on EASE or similar tools/software belonging to respective OEM factoring requirements and parameters such as STI, SPL levels, RT60. The result for the same shall be submitted.
- e. Video Wall Design calculations.
- f. Submit shop drawings for approval prior to fabrication and installation (no "typical" diagram will be considered).
- g. Construction details of Interior/ Acoustics Items
- h. Electrical Wiring details & actual load calculations of general lighting & stage lighting.
- i. Shop drawings shall be submitted for the Client/consultant's review and approval prior to fabrication and installation. Submit shop drawings for:
 - i) Cable list and wiring diagram to have cable number, source, and destination as well as signal.
 - ii) A facility drawing showing and coordinating the installation of all devices, including rack location, faceplate locations, junction/pull boxes, etc.
 - iii) Rack layout.
 - iv) Loudspeaker locations, orientation, and mounting.
 - v) Casework coordination details.
 - vi) Podium finish and mounting coordination details.
 - vii) Video system equipment mounting details.
 - viii) Remote control system interface, wiring diagram, and control panel layouts.
 - ix) Submit samples of engraved labels, cable marking system, faceplate etching/finishes and loudspeaker grills.
- x) Upon completion of work and prior to handover, the Bidder shall submit 3 sets of duly laminated as built drawings and documentation as mentioned below:

Final equipment layouts (furniture and RCP coordinated) – AutoCAD & pdf format, clear copy of which shall be permanently fixed inside respective AV rack.

Final schematic layouts - AutoCAD & pdf format, clear copy of which shall be permanently fixed inside respective AV rack.

Final conduit layouts - AutoCAD & pdf format, clear copy of which shall be permanently fixed inside respective AV rack.

Final cable routing plan – cable schedule, cable IDs, labelling and documentation, type of cable, no. of cables etc. - AutoCAD & pdf format, clear copy of which shall be permanently fixed inside respective AV rack.

MILESTONE CHART

S.No.	DESCRIPTION OF MILESTONE (PHYSICAL)	TIME ALLOWED IN DAYS (FROM THE DATE OF START)	AMOUNT TO BE WITH- HELD IN CASE OF NON- ACHIEVEMENT OF MILESTONE
1	Submission of Drawings for Approval and Placing Supply Orders	30 Days	
2	The copies of purchase orders to be submitted	45 Days	2.0%
3	Submission of simulation results of sound system with reference to acoustic parameters on EASE or equivalent software as specified in tender documents	2.0 Month	3.0 %
4	Completion of all works including supply, installation, testing, commissioning and handing over the project	6.0 Months	5.0 %

GUARANTEES AND WARRANTIES

1. The contractor shall give the comprehensive onsite warranty of all the equipment/materials for the period of 3 years (DLP) from the date of actual handing over of the works to the client.
2. The contractor shall submit the warranty cards of various equipment's to the client as provided by the various companies/OEMs.
3. Guarantee all installation work to be free of faulty system-wide workmanship. Guarantee all new components purchased under this Contract and workmanship to be free from defects for a period of 36 months from the final date of acceptance, by the Client, including solid state devices.

CERTIFICATES

1. The contractor shall provide warranty certificates from the manufacturer (as per **Annexure – VI**) at the time of Final handover for the sound system /equipment, projection system / equipment for this specific project also confirming that they shall provide the required warranty and service guarantee for the product in case the dealer/ integrator fails to do so on a direct basis. The contractor shall also produce test certificates from the manufacturer / authorized representatives for all the equipment supplied. All equipment shall be sourced from Authorized sources for the Indian market only. Engineer in charge reserves the right to reject material which shall be purchased from unauthorized sources, not authorized for the Indian market.

The following test certificates shall be submitted by the contractor for the approval of client/consultant.

- i) NRC
- ii) FR coating for cloth/fabric

2. The contractor shall submit the **compliance sheet** along with deviation statement against each technical parameter given in the technical specifications for all audio visual items.

3. The contractor shall provide an undertaking that their bid is 100% complied with the tender specifications and if the client/consultant, finds any deviation in technical bid, then their bid shall be rejected, as per **Annexure VII**. The Detailed Technical Compliance/ Deviation statement shall also be provided by the OEM (through contractor) for each parameter as mentioned under the item description of the BOQ. The same has to

be provided along with tender submission, in case the contractor fails to provide the same, the bid shall be rejected.

-----X-----



ANNEXURE I

UNCONDITIONAL ACCEPTANCE LETTER
To be provided on letter head of the Bidder

Reg :- Re-development of Auditorium including Audio, Video and associated Allied works for Auditorium at J&K Bank Ltd. Corporate Headquarters, M. A. Road Srinagar

Deputy General Manager-BSD
J & K Bank Ltd
Corporate Headquarters
M. A. Road, Srinagar, J & K

Sir,

ACCEPTANCE OF TENDER CONDITIONS

1.0- I/We hereby accept the tender conditions, finalized specifications, commercial terms & conditions in its entirety without any deviation and ambiguity for the contract.

2.0- The special conditions of the tender have been noted wherein it is clarified that after accepting the tender conditions including finalized specifications, commercial terms & conditions in its entirety, it is not permissible to put any remarks/conditions(except unconditional rebate on price if any) in the tender enclosed and the same has been followed in the present case. In case, this provision of the tender is found violated after opening the cover No. 2 (price bid). I/We agree that the tender shall stand rejected and J&K Bank Ltd. shall without prejudice to any other remedy be at liberty to forfeit absolutely the full earnest money.

Yours Faithfully

Signature of the Bidder with seal

ANNEXURE II

**Undertaking for Non-Blacklisted
To be provided on letter head of the Bidder's Company/Firm**

Reg :- Re-development of Auditorium including Audio, Video and associated Allied works for Auditorium at J&K Bank Ltd. Corporate Headquarters, M. A. Road Srinagar

**To,
DGM,
Business Support Division
J&K Bank Corporate Headquarters,
M A Road Srinagar, 190001**

Sir,

We M/s _____, a company with its headquarters/Registered Office at _____ do hereby confirm that we have not been blacklisted/ debarred by the Government / Government agency / Banks / Financial Institutions in India during last five years.

This declaration is been submitted and limited to, in response to the tender reference mentioned in this document.

Yours faithfully,

Name of Signatory

Signature of Authorized Signatory

Date:

Place:

ANNEXURE III

Litigation Certificate

Reg:- Re-development of Auditorium including Audio, Video and associated Allied works for Auditorium at J&K Bank Ltd. Corporate Headquarters, M. A. Road Srinagar

To be provided by Statutory Auditor/Chartered Accountant

This is to certify that M/s _____, a company with its headquarters/Registered Office at _____, is not involved in any litigation which threatens solvency of the company/Firm.

Date: _____ Place: _____

Signature of CA/Statutory Auditor

Name of CA/Statutory Auditor: Designation:

Seal of Company

Email ID:

Mobile No:

Telephone No.:

Seal of Company:

ANNEXURE IV

Bid security declaration (if applicable)

Reg: Re-development of Auditorium including Audio, Video and associated Allied works for Auditorium at J&K Bank Ltd. Corporate Headquarters, M. A. Road Srinagar

I/We undersigned declare that:

- 1) I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.
- 2) I/We accept that I/We may be disqualified / debarred from bidding against J&K Bank Limited tenders for a period of **five years** from the date of notification if I/We are in a breach of any obligation under the bid conditions, because I/We
 - a) have withdrawn/modified/amended, impaired or derogated from the tender, my/our bid during the period of bid validity specified in the form of Bid; or
 - b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity
 - (i) fail or refuse to execute the contract, if required, or
 - (ii) fail or refuse to furnish the Performance Security within the timeline, in accordance with the instructions to Bidders & as per tender terms & conditions.
- 3) I/We understand this Bid Security Declaration shall cease to be valid on the Thirty First day from following,
 - a) If I am/we are not the successful Bidder, the receipt of your notification of the name of the successful Bidder; or
 - b) the expiration of the validity of my/our Bid or any extension thereof.

Yours faithfully,

Name of Signatory

Signature of Authorized Signatory

Date:

Place:



Annexure V

To,
J&K Bank,
Srinagar

Tender ID:
Name of work:

Subject: OEM Authorization Certificate

Dear Sir,

This is to confirm that,(Name of OEM), is manufacturer of....
..... having its registered office at Address: do hereby authorize
.....to quote, supply and install our products against the abovementioned work.

We hereby confirm that supplied product is not end of sale and all the spares and accessories will be available for 5 years and support will be provided for 10 years

We shall provide full support in all respects for supply, warranty and maintenance of our products.

The undersigned is authorized to issue such warranty certificate on behalf of M/s

Thanking you,

Sincerely,

For..... (Name of OEM)

Authorized Signatory

Annexure VI

To,
J&K Bank,
Srinagar

Tender ID:
Name of work:

Subject: OEM Warranty Certificate

Dear Sir,

This is to certify that M/s(Name of OEM), having its registered office at.....shall hereby provide the required warranty of 36 months and service guarantee for the product (mention the name/part no./model no.) in case the dealer/ integrator/contractor fails to do so on a direct basis at no extra cost.

The undersigned is authorized to issue such warranty certificate on behalf of M/s

Thanking you,

Sincerely,

For..... (Name of OEM)

Authorized Signatory



Annexure VII

To,
J&K Bank,
Srinagar

Tender ID:
Name of work:

Subject: OEM Compliance Certificate

Dear Sir,

Subject: Undertaking for full compliance with tender specifications

Dear Sir,

We hereby confirm that our bid is 100% complied with the tender specifications and if the client/consultant, finds any deviation in technical bid, then our bid shall be rejected

Thanking you,

Sincerely,

For..... Name of CONTRACTOR)

Authorized Signatory



Annexure VIII Schedule For Stage/Running Payments		
Items to be completed		% age of estimated cost to be released
Civil/Interior Items		
Stage 1st	Basic civil Works (Dismantling of partition, ceiling, panelling, doors windows, flooring etc.)	Up to 35 %
	Wall panelling, Acoustics	
	Ceiling works, MDF board with jaali, Stage suspension grid	
Stage 2nd	Flooring (stage ,hall)	Up to 70 % (Less payment already done)
	Partitions	
	Curtain & system, Wings, Frills, winch, doors, wall putty, painting polishing ,paper machie	
Stage 3rd (Final Bill)	Complete	As per the actual billed amount
Electrical Items/ fire alarm system		
Stage 1st	Laying of conduits and wires in the floor and Ceiling for data, AV and UPS	Up to 35 %
	Laying and fixing of conduits and wires for lighting points, etc	
Stage 2nd	Installation of switch series for lighting, UPS, Data etc	Up to 75 % (Less payments already Done)
	Installation of MCBs in the DBs	
	SITC of lighting fixtures in the ceiling and distribution boards in the walls	
Stage 3rd (Final Bill)	Complete in all respects	As per the actual billed amount
For supply and installation part (Audio Visual part)		
Stage 1st	Supply of Audio Video equipment for installation as per BOQ at the site	Upto 40 %
Stage 2nd	Installation of Audio Video equipment at the site	Up to 60 % (Less payments already Done)
Stage 3rd	Commissioning of Audio Video equipment at the site	Up to 80 % (Less payments already Done)
Stage 4 th (final)	1 month after handing over of the site	As per the actual billed amount

Annexure IX
Performa for the Bank Guarantee for Earnest Money Deposit
(To be stamped in accordance with stamp act)

Ref: Bank Guarantee # Date

DGM (BSD)
J & K Bank Ltd
Corporate Headquarters
M.A.Road, Srinagar, J & K

Dear Sir,

In accordance with your bid reference no. _____ Dated _____ M/s _____ having its registered office at _____ herein after Called, bidder") wish to participate in the said bid for **RFP for Re-development of J&K Bank's Auditorium at Corporate Headquarters by way of composite works.**

An irrevocable Bank Guarantee (issued by a nationalized / scheduled commercial Bank) against Earnest Money Deposit amounting to Rs. _____ Rupees _____ (in words) valid up to _____ is required to be submitted by the bidder, as a condition for participation in the said bid, which (amount) is liable to be forfeited on happening of any contingencies mentioned in the bid document.

M/s _____ having its office registered at _____ has undertaken in pursuance of their offer to J&K Bank (hereinafter called as the beneficiary) dated _____ has expressed its intention to participate in the said bid and in terms thereof has approached us and requested us _____ (Name of Bank) _____ (Address of Bank) to issue an irrevocable financial Bank Guarantee against Earnest Money Deposit (EMD) amounting to Rs _____ /- Rupees (in words _____) valid up to _____

We, the _____ (Name of Bank) _____ (Address of the Bank) having our Head office at _____ therefore Guarantee and undertake to pay immediately on first written demand by J&K Bank, the amount Rs. _____ (in words) without any reservation, protest, demur and recourse in case the bidder fails to Comply with any condition of the bid or any Violation against the terms of the bid, without the beneficiary needing to prove or demonstrate reasons for such demand. Such demand made by said beneficiary shall be conclusive and binding on us irrespective of any dispute or difference raised by the bidder.

This guarantee shall be irrevocable and shall remain valid up to _____. If any further extension of this Guarantee is required, the same shall be extended to such required period on receiving instructions in writing, from _____, on whose behalf guarantee is issued. "Not withstanding anything contained herein above our liability under this Bank guarantee shall not exceed Rs _____ (Rupees _____).

We are liable to pay the guaranteed amount or any part thereof under this Bank guarantee only if you serve upon us a written claim or demand, on or before _____ hours (Indian Standard Time) where after it ceases to be in effect in all respects whether or not the original Bank guarantee is returned to us.

In witness whereof the Bank, through its authorized officer has set its hand stamped on this Day of _____ 2025 at _____.

Date:

Place:



Signature of Authorized Signatory

Name of Signatory: Designation:

Seal:

Annexure X



Bill of quantities having detailed technical specifications and technical compliance format

Sr. No.	Proposed Specification Item Description	Units	Qty
	Acoustic & Interior		
1	Providing & Fixing of Woodslate NRC 0.88 with pre laminated matt finish panels Supplying of FR Grades 2430x131x16mm made of exterior grade HDHMR backed with acoustical Fleece providing sound absorption of 0.88 NRC.To be installed with 15mm Aluminium profile conformsto Aluminium Alloy 6063-T 6.Temper As per BS:1474- 1987 and G.I Lock in clips on the back of tongue and Groove system. The density per panel is minimum 750-800 kg/m3. The panels come with tongue & groove for seamless patterns, 4-28mm Groove and visible panel. These slats should comes with linear perforations for excellent uniformity. The perpendicular holes are available on the back of panel which are covered by black acoustical fleece. Achieves sound reduction of 0.88 NRC. To be installed on GI Channel (48mmx48mm) .5mm thickness or better with a backing of Polyester Fiber Wool Coverd with Chicken mesh Jali from both sides. 50mm thick,1000 GSM absorb wool tested as per Fire Retardant ASTMD 635-1991 Insulation and IS 15061-2002 for excellent results. Complete in all respect and to be approved by Architect and his representative.	Sqm	136.10
2	Providing & Fixing of 9mm / 10 mm thick seamless polyester fiber board FR grades panels providing sound absorption of 0.90 NRC.To be installed on 12mm thick perforated HDHMR panels with industrial adhesive. The density per panel is minimum 1800GSM. The panels made from recycled material. Achieves sound reduction of 0.90 NRC. To be installed on GI Studs (48mmx48mm) .5mm thickness or better with a backing of Polyester Fiber Wool Coverd with Chicken mesh Jali from both sides. 50mm thick,1000 GSM absorb wool tested as per Fire Retardant ASTMD 635-1991 Insulation and IS 15061-2002 for excellent results. Complete in all respect and to be approved by Architect and his representative.	Sqm	64.66
3	Providing & Fixing of Stage Wall Paneling Wall Panelling Wood Fiber cement Fibrette tile Size 595x595x20 mm NRC1 with GI Channel (48mmx48mmx0.5mm) Supplying Wood Fiber tiles made of Wood Fibre 1mm width cement composites 15mm thick with Black colours as per the choice of the Architect/ person in charge of size 595x595x15 mm. Has excellent noise absorption of 1 NRC as per ISO: 354-1985 and ASTM 423-90 a, Density 400 Kg/ m3, meets stringent Fire Ratings ASTMD-876 and Fire Class -1 as per BS 476 part 5 and 6,Class P-not easily ignitable as per BS-476-Part 5 (Ignitability for material).This is applicable for core and class 1 as per BS 476- Part 7 (Method for classification of surface spread of flame) ,weather resistance as per IS 3308, Thermal Insulation as per IS:3346-1980 with relative humidity of 90% RH at 60o Celsius(140o Fahrenheit) for 15 days= No deterioration. Conforms to En 131682001 and are RoHS Complaint. To be installed on GI Studs (50mmx50mmx50mm) with a backing of Polyester Fiber Wool. 50mm thick,1000 GSM absorb wool Coverd with Chicken mesh Jali from both side. tested as per Fire Retardant ASTMD 635-1991 Insulation and IS 15061-2002 for excellent results. Complete in all respect and to be approved by Architect and his representative.	Sqm	72.50
4	Providing & Fixing of Stage Ceiling Wood Fiber cement Fibrette tile Size 595x595x20 mm NRC1 on existing ms frame work Supplying tiles made of Wood Fibre 1mm width cement composites 20mm thick with an option of colours as per the choice of the Architect/ person in charge of size 595x595x20mm. Has excellent noise absorption of 1 NRC as per ISO: 354-1985 and ASTM 423-90 a, Density 400 Kg/ m3, meets stringent Fire Ratings ASTMD-876 and Fire Class -1 as per BS 476 part 5 and 6,Class P-not easily ignitable as per BS-476-Part 5 (Ignitability for material).This is applicable for core and class 1 as per BS 476- Part 7 (Method for classification of surface spread of flame) ,weather resistance as per IS 3308, Thermal Insulation as per IS:3346-1980 with relative humidity of 90% RH at 60o Celsius(140o Fahrenheit) for 15 days= No deterioration. Conforms to En 131682001 and are RoHS Complaint. To be installed on existing ms frame work Complete in all respect as desired by the Engineer in charge / Consultant of work at site.	Sqm	29.04

5	Providing and fixing of Steam Beach paneling 4mm thk veneer Ply. Over columns and walls as required covered with 12 mm thick approved commercial ply faced with 4 mm veneer Ply – steam beach in the front with necessary 6 mm vertical and horizontal grooves. The item shall be completed in all respect including Melamine Polish etc. as above as per architects drawings. All framework shall be spot welded with fine grinding and painted with anti corrosive paint. The framework shall be anchored using anchor fastners and screws. complete to the satisfaction of Engineer –in-charge.	Sqm	82.22
6	Providing & Fixing of Flocked textile floor covering of Nylon 6.6 face fiber or equivalent of approved make with 100% Nylon and completely water proof resilient backing. The flooring should be Anti static with thickness of 4.3 mm and approximate weight of 1.8 k.g./sqm of roll form. The carpet should be completely stain resistant and of a density approx. 80 million fibers/sq.mtr (70 million fiber/sq.yd) in the width of 2 mtr .The floor covering should have Fire Test EN-13501, Appearance Retention Hexapod ISO 140-8, Friction Slip Resistance Test EN 14041 Class DS, SANITISED anti-microbial treatment, with resilient waterproof backing, anti allergic which is certified by British allergy foundation, with ten year replacement guarantee. The carpet should have permanent static control. Complete in all respect and to be approved by Architect and his representative.	Sqm	178.71
7	Providing and fixing of 2 mm thick homogenous Anti static floor for control room XLPU Polyvinyl chloride sheet/tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesive of aproved quality and manufacturer like Dunlop or equivalent including rolling with wooden rollers weighing about 5kgs all complete as directed by Engineer-in-charge, in approved colour and shade. Complete in all respect as desired by the Engineer in charge / Consultant of work at site.	Sqm	11.83
8	Providing & Fixing of Fibre Glass Acoustical Suspended Ceiling System with 15 thick black Board Edge Tiles with 24mm face exposed grid. The tiles shall have smooth laminated visual with Humidity Resistance (RH) of 95%, NRC 0.85 – 0.95 (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423 standard, Light Reflectance ≥85% as per ASTM E-1477, Colour Pebble Black, Fire Performance of Class 0/1 as per BS 476 Part 6/7 with 15/20/25mm Board edge in module size of 600 x 600mm. It shall be suitable for Green Building application, with Recycled content of 66% (GW)/ 74% (RW). INSTALLATION: The tile shall be laid on 24 mm wide T - section flanges colour global black (matching to tile colour) having roll formed double stroke rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm (all sections). The deflection loading of the system shall be 15 kg/m2 (as per standard installation layout mentioned below) and main beam tested as per ASTM C635 (Deflection limit less than L/360) with a deflection loading of 18kg/m. The end details of the cross tee shall be made of pre hardened steel and fixed to the ends of the cross tee to provide double locking between “cross tee to cross tee” and “cross tee to main beam”. All main beam to main beam and cross tee to cross tee connection shall have a pull out strength of more than 100kg. The T Sections shall be made of hot dipped galvanized steel of 90 gsm as per IS 277 (2003) and pre-painted steel with baked polyester paint with OT bending capability. Complete in all respect as desired by the Engineer in charge / Consultant of work at site.	Sqm	98.1
9	Providing & Fixing of 70mm thick Wooden Partition Proscenium from Stage flooring to Celng as approved by architects. Providing & Laying of 70mm thick proscenium M.S Frame 50x50mm at 600 mm c/c in on other direction, the framework to be filled with 50 mm thick Absorbwool density 48 kg/m3. and finished with 10mm commercial ply both the side firmly screwed in MS section and laid as per design & drawing. Complete in all respect and to be approved by Architect and his representative.	Sqm	28.26
10	Providing and fixing of Stage Flooring 75x18 mm thick in random length, 2nd class teak wood planks flooring with T&G joints on a layer of 19 mm thick ply (Greenlam or Century) fixed to hard wood, 50x50 mm at 600 mm c/c in other direction, the framework to be filled with 50 mm thick rockwool density 48 kg/m3. PU polishing of teakwood on exposed surface in horizontal/vertical plane (rate for flooring shall include providing additional framework required for housing microphone and power outlet junction boxes including providing & fixing of hinged 18 mm thick teakwood cover for junction boxes. Complete in all respect and to be approved by Architect and his representative.	Sqm	99.90

11	Providing and fixing of Fire Rated/Acoustical Wooden Doors: Supply & fixing of 70mm thick 38 db acoustic door having infill of 47mm thick resin bonded glasswool of 24kg/ M3 density coated with FR Acrylic Sealant Sandwiched between two 9 mm thick starpan calcium silicate boards without asbestos, Brucite and Meerscham having a density not more than 1150kg/ M3 and thermal conductivity 0.14 W/M*K faced with 6mm thick commercial ply with heat activated intumescent fire seal strip of size 10mm x 4mm mounted in the grooves having hardwood lipping of size 15mm x 70mm and 1mm thick laminate facing on both sides in desired shade and colour. The rate should also include Red Merrandi Frame 145 x 70mm with Commercial Ply Facing (6mm + 4mm Teak Ply on both sides) at all heights including scaffolding. Complete in all respect & entire satisfaction of the engineer in charge/Architect. (Note:- Contractor to submit Test certificates from manufacturer).	Sqm	13.61
12	Providing and fixing of Panic Bar Set:- Providing & fixing of Double Leaf Panic Bar set along with Panic Trim for operation from the other side of the Panic Bar Complete in all respect to entire satisfaction of the engineer-in-charge/Architect.	Nos	6.00
13	Providing and fixing of Ball Bearing Hinges :- Providing & fixing SS Ball Bearing Hinges of size 100 x 75 x 3mm fixed with SS Screws Complete in all respect to the entire satisfaction of the engineer-in-charge/Architect.	Nos	64.00
14	Providing and fixing of Door Closer: Providing & fixing of Fire Rated Heavy duty door closer complete in all respect to the entire satisfaction of the engineer-in-charge/Architect.	Nos	13.00
15	Providing and fixing of Door Handle: Providing & fixing 25mm dia & 400mm long brushed steel finish pull handles with long bolt and cap for fixing from outside only complete in all respect to the entire satisfaction of the engineer-in-charge/Architect.	Pair	13.00
16	Providing & fixing of first class teak wood skirting of size 25 x 100mm to be fixed over existing frame work including polyurethane polish complete as per drawing and to the entire satisfaction of Engineer-in-charge/Architect. Complete in all respect as desired by the Engineer in charge /Architect.	Rmt	258.24
17	Providing and fixing of built in box type wall cabinet to 750 mm deep 750 high with 100 mm wide skirting recessed by 12 mm as per design duly finished with 1mm steam beach laminate over 19 mm thick BWP commercial ply housing sound and light console as per design complete with all hettich o equivalent hardware locks handles and fittings. The inside of the box shall also be finished with 1mm thick steam beach laminate duly edged with rubber wood. complete with drawer slides ,tray,hardware complete to the satisfaction of Engineer -in-charge.	Sqm	2.25
18	Providing and fixing of toughened Transperant Glass -10mm Saint Gobain shall be Installed with Wooden frame work made out of 100 x 50mm thick sal wooden Chowkth. Complete with hardware complete to the satisfaction of Engineer -in- charge.	Sqm	1.57
19	Providing and fixing of thermal insulation of ceiling/ wall (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183,density 48 kg/ m3, 50 mm thick, with one side aluminium foil fixed to ceiling with metallic cleats/Wire and wire mesh of 12.5mm x 24 gauge wire mesh, for top most ceiling of building.Complete in all respect and to be approved by Architect and his representative.	sqm	303.00
20	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	467.00
21	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.	Sqm	467.00
Audio Visual			
22	Supply, Installation, Testing and Commissioning of 2.5mm Pixel Pitch Active Led Video wall size of min (19X11) feet, pixel configuration 3-in-1(1 red,1 green,1 blue), pixel density 160,000 pixels/m2 or better, brightness min 600 nits (cd/m2) or better, inbuilt power & data redundancy, aluminium diecast Cabinet viewing angle 160°H, 160°V, refresh rate >3840 Hz or better, color temperature 3000-10000 K, display colors 14-bit, Minimum pixel resolution of video wall 2304x1344 or better. Video wall should come with OEM wall mounting arrangement & 5% Spare parts	Nos	1

23	Supply, Installation, Testing and Commissioning of 55"4K (3,840 x 2,160), Direct LED Professional Display with 4K resolution, Native Contrast ratio upto 1100:1, Response time 8ms or better, Peak Brightness 500 cd/m ² or better, 4K , HDCP 2.2 (HDMI), RS232, USB, RJ45, Wi-Fi with In-Built Bluetooth, 10W Speakers Viewing angle 178 degree or better, Including confidence monitor stand with wheels for display.	Nos.	2
24	Supply, Installation, Testing and Commissioning of 43" 4K (3,840 x 2,160), Direct LED Professional Display with 4K resolution, Native Contrast ratio upto 1100:1, Response time 8ms or better, Peak Brightness 400 cd/m ² or better, 4K ,HDCP 2.2 (HDMI), USB, RJ45, Wi-Fi with In-Built Bluetooth, 10W Speakers Viewing angle 178 degree or better, Including wall mount bracket.	Nos.	1
25	Supply, Installation, Testing and Commissioning of 4x1 switching Transmitter and Receiver Included USB-C, HDMI 2.0 and USB 2.0 or above ports supporting 4K signal formats (4K UHD @ 60Hz RGB 4:4:4, up to 18 Gbps) at transmitter and 2 x HDMI inputs and HDMI out at receiver, secure control Ethernet interface. USB-C connectivity for 4K video, audio, USB 2.0 gen peripherals, LAN Ethernet, control signals. The device shall have programmable control system. The device should also work as USB Hub and USB Switcher both. Open Control API . In order to acheive the same functionality, multiple same OEM components can be quoted as per asked minimum specifications.	Nos	1
26	Supply, Installation, Testing and Commissioning of 4x4 matrix with USB 3.1 ports Enables four computers/host to share USB peripheral up to four devices, Supports hot plugging. The device should also work as USB Hub and USB Switcher. In order to acheive the same functionality, multiple components can be quoted as per asked minimum specifications. Along with 4K HDMI to USB Capture Device,	Nos	1
27	Supply, Installation, Testing and Commissioning of Full 4K HDMI 2.0 HDBT transmitter with RS-232, Bi-directional IR, Ethernet and Bidirectional remote powering; supports 4K UHD @ 60Hz 4:4:4 upto 100meter , up to 18 Gbps, HDCP 2.2., 1 x USB Host and 4 x USB Clients/peripherals.	Nos	6
28	Supply, Installation, Testing and Commissioning of Full 4K HDMI 2.0 HDBT receiver with RS-232, IR, Ethernet and Bidirectional remote powering; supports 4K UHD @ 60Hz 4:4:4, upto100meter & 18 Gbps, HDCP 2.2.	Nos	6
29	Supply, Installation, Testing and Commissioning of 8 input and 8 output Full 4K HDMI 2.0, HDR 10+, 36-bit per pixel Deep Color and HDCP 2.2 standalone matrix with analog/digital audio ports. 4K@60Hz with 4:4:4 colorspace, 18 Gbit/sec bandwidth. RS-232, Ethernet/USB control options, Advanced EDID Management. LCD, front panel control. mulitple control option- Open API Control over IP and Serial, full Web GUI console, and front panel buttons.	Nos	1
30	Supply, Installation, Testing and Commissioning of USB over Category Cable Extender Local & Remote, for most of the USB 3.2 or better devices, Should provide connectivity for a single USB host like computer, media server, codec, etc.Should Extend USB signals up to 330 ft (100 m) over CAT6a/7 (or better) twisted-pair cable using Rx module at speeds up to 5 Gbps. Should be compatible with Windows®, macOS®, or Linux® operating system and no drivers required.	Nos	2
31	Supply, Installation, Testing and Commissioning of PTZ Camera, The camera sensor should be 1/2.8-inch. Having high quality HD camera with CMOS Sensor or better, The camera should have an Option of Auto or Manual White Balance, The camera should have a 20x optical zoom or better, The camera should have a standard Video Output and should support ,HDMI/DVI & USB , IP Based so that Camera can be integrated with standard End Points and USB 3.0 or better, The camera should have 58.5 Degree or better field of view. The camera should have a Pan Rotation Angle of Pan: -130° -130°, Tilt: -30°-90° or better, The camera should support 1080p@60fps and Should support upto 50 ft distance. It should have at least 1 RJ-45 Port for IP Camera functions, The camera should have an option VISCA/TCP, VISCA/UDP, PELCO-D, PELCO-P, ONVIF, UVC for communication.	Nos	2

32	Supply, Installation, Testing and Commissioning of secure, high performance control processor. Having ethernet port of 100/1000 Mbps, auto discovery, full/half duplex, industry-standard TCP/IP stack, DHCP, SSL/TLS/SSH, IEEE 802.1xX, SNMP,HTTPS.Having minimum Memory SDRAM 512 GB, Flash 8 GB. Minimum Control ports of 4no's relay port or better, Min 4 no's I/O port or better. 1 x Bidirectional RS-232/ 422/485 port. Minimum 2 x Bidirectional RS-232 ports Should have backnet/network for integration. (internal or by additional hardware), Should be able to control the complete programmed system, from the IT laptop or PC.Should comply to CE, UL, FCC. Power supply and Android/IOS license for control should be included.	Nos	1
33	Supply, Installation, Testing and Commissioning of 10" Wired LED backlight IPS Touch Panel, Resolution 1920x1200 or better. Should support 5 point multi touch. Brightness: 350 nits (cd/m2). Contrast Ratio >800:1, SDRAM: 3 GB or better, Storage 16 GB eMMC or Flash: 20 GB or better. Should have built-in Speakers, camera and microphone; NFC Read/Write, Proximity Sensor, Ambient Light Sensor. POE enabled, with table top standered accessories.Compliance- UL, CE, CB.	Nos	1
34	Supply, Installation, Testing and Commissioning of 10-11 inch Multi-Touch (iPad) with IPS technology with Liquid Retina display, Resolution:2388x1668-pixel resolution at 264 pixels per inch (ppi), 600 nits brightness.	Nos	1
35	Supply, Installation, Testing and Commissioning of 24 port Ethernet switch. Should have minimum 24x 1000Base-T Gigabit Ethernet RJ45 port that provides PoE+. Should have minimum 4x 10 Gigabit Base-X SFP+ ports populated enable use of transceiver modules to connect to a fiber network. Should provide minimum 950W. IGMP Support, LLDP Support.	Nos	1
36	Supply, Installation, Testing and Commissioning of Wi-Fi Router with Wifi technology- 802.11a Dual Band Gigabit, Wifi Range-Large homes, Number of ethernet ports- (1 WAN and 4 LAN) Gigabit Ethernet ports with auto-sensing technology.	Nos	1
37	Supply, Installation, Testing and Commissioning of All-in-One Device with 3 Full HD Video Sources Capturing, Mixing, Switching, Recording and Live Streaming device Controller Record and stream simultaneously Produce MP4 media or M4A audio files that are compatible with virtually any media player Min 2 HDMI Inputs and 1x HDMI output, 3 x IP cameras intergeration capability, Internal/External Storage USB / eSATA upto 1TB, Digital processing 4:2:2, 8-bits per color, Compression H.264/AVC.Fully Integrated with Kaltura, Panopto and Opencast Video Management Systems.	Nos	1
38	Supply, Installation, Testing and Commissioning of USB-C to USB-C 3 m (9,84 ft) cable. USB Full Featured Type-C for USB 3.1 Gen 1.	Nos	3
39	Supply, Installation, Testing and Commissioning of 3 m (9,84 ft) Premium High Speed HDMI 2.0b cable.	Nos	24
40	Supply, Installation, Testing and Commissioning of 15 meter Premium High Speed HDMI 2.0b active cable.	Nos	2
41	Supply, Installation, Testing and Commissioning of Loudspeakers with Drivers LF 1 x 15" ,1 x 1.4 HF, Frequency range 50 - 19000 Hz, Power capacity programm / peak: 600 / 1600 W , Impedance 8 Ohm , Coverage range (h x v) 75° x 50° HF-horn, rotatable;Sensitivity 1 W / 1 m - 96 dB or better, SPLmax / 1 m / peak 131 dB. wall/ceiling mount brackets shall be included complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	2
42	Supply, Installation, Testing and Commissioning of Subwoofer with Drivers 1x 18" LF; Fequency range 32 - 160 Hz, Power capacity-programm / peak: 1200 / 4800 W ; Imopedance - 8Ohm, Sensitivity 1 W / 1 m - 96dB Passive ; SPLmax / 1 m / peak 132dB. Complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1
43	Supply, Installation, Testing and Commissioning of Loudspeakers with Drivers 1 x 5" LF / 1 x 0.7" HF; Frequency range100 - 20000 Hz; Power capacity programm/peak: 100 / 200 W ; Impedance - 6/8 Ohm; Coverage range (h x v) 100° radial;Sensitivity 1 W / 1 m- 88 dB; SPLmax / 1 m / peak 109 dB wall mount brackets shall be included Complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	3

44	Supply, Installation, Testing and Commissioning of class D active/passive stage monitor trapezoidal in shape/cone shaped Loudspeakers with Drivers 1 x 8" LF / 1 x 1" HF, Frequency range -70 - 20000 Hz, Power capacity programm / peak: 400 / 800 W , Impedance-8 Ohm Coverage range (h x v) 90° x 60°, Sensitivity 1 W / 1 m - 95 dB ;SPLmax / 1 m / peak -124 dB, Connectors 4 Speakon/2 xlr, in wooden enclosures/Polypropylene/talc composite cabinet, wall mount brackets shall be included if required. If considered Passive, amplifier to be considered along as per approved makes. Complete in all respect with required accessories as desired by Engineer- In- Charge.	Nos	2
45	SITC of Four Channel amplifier with inbuilt DSP, 1250W @2ohm, 1200W @4 ohm; 1200W @8ohm and 2500W @4Ohm and 2400W@8Ohm in bridge mode; Maximum output voltage 140Vpeak, Frequency Response 20Hz-20KHz;S/N Ratio- 108dBA; Maximum Fan Noise - less then 50 dBA SPL @ 1M), THD+N < 0.35%, Damping Factor >500@ 20-100Hz; A/D and D/A Converters of 24bit/48KHz; DSP Inbuilt, Crossover Filters -as per OEM, Input Equalizers - as per OEM, all-pass, band-pass, band-stop, hi/lo-pass; Output Equalizer ; Limiters -as per OEM, RMS voltage, RMS current, Peak limiter; Audio signal input, Signal output; With separate input and Output DSP and DANTE, Load Impedance- 2Ω - 16Ω; 70Vrms and 100Vrms;	Nos	1
46	Supply, Installation, Testing and Commissioning of Four Channel amplifier with inbuilt DSP, 150 W @2ohm , 280W @4 ohm; 280W @8ohm ; 300W @4Ohm and 580W@8Ohm in bridge mode; Frequency Response 20Hz-20KHz;S/N Ratio- >104dBA; Maximum Fan Noise - less then 50 dBA SPL, THD+N < 0.35%; Damping Factor >500@ 20-100Hz; A/D and D/A Converters of 24bit/48KHz; DSP Inbuilt, Crossover Filters - as per OEM;Input Equalizers - as per OEM, all-pass, band-pass, band-stop, hi/lo-pass; RMS voltage, RMS current, Peak limiter; and with speaker presets, Separate input and output with inbuilt DSP , DANTE inputs. Load Impedance- 2Ω - 16Ω; 70Vrms and 100Vrms ;	Nos	1
47	Supply, Installation, Testing and Commissioning of Digital Wireless Dual Channel Receiver with 2 Handheld Mic & Network connectivity, Type : Dynamic, Audio Frequency Range – 470-937 MHz, 24 bit Digital Audio, Dual Channel Receiver, Dynamic Range - 120 dB or better,Frequency Response : 20 to 20,000 Hz, Polar Pattern : Cardioid,Support upto 96 compatible channels, Switching Bandwidth - 44 MHz or better,Frequency Auto Scan Functionality, Range – 300 ft or more,RF Transmitter Output : 1mW/10 mW, switchable,Frequency and Power Lock out,THD – <0.02%,Latency – 3.2ms,Sensitivity - -97 dBm, Should include 2 rechargeable batteries and charger with 2 slots for Handheld transmitter,Battery Life : 8 hours or more.	Nos	1
48	Supply, Installation, Testing and Commissioning of Digital Wireless Dual Channel Receiver with 2 Lapel Mic & Network connectivity,Type : Condenser,Audio Frequency Range – 470-937 MHz,24 bit Digital Audio,Dual Channel Receiver,Dynamic Range - 120 dB or better,Frequency Response : 20 to 20,000 Hz, Polar Pattern : Omnidirectional, Support upto 96 compatible channels,Switching Bandwidth - 44 MHz or better, Frequency Auto Scan Functionality,Range – 300 ft or more,RF Transmitter Output : 1mW/10 mW, switchable, Frequency and Power Lock out,THD – <0.02%, Should include 2 rechargeable batteries and charger with 2 slots for Bodypack transmitter, Battery Life : 8 hours or more.	Nos	1
49	Supply, Installation, Testing and Commissioning of Dual Channel Receiver with 2 Earset Mic & Network connectivity, Type : Condenser, Audio Frequency Range – 470-937 MHz, 24 bit Digital Audio, Dual Channel Receiver, Dynamic Range - 120 dB or better, Frequency Response : 20 to 20,000 Hz, Polar Pattern : Omnidirectional, Support upto 96 compatible channels, Switching Bandwidth - 44 MHz or better, Frequency Auto Scan Functionality, Range – 300 ft or more, RF Transmitter Output : 1mW/10 mW, switchable, Frequency and Power Lock out,THD – <0.02%, Latency – 3.2ms, Sensitivity - 41.0 dB V/Pa, MAX SPL : 107dB, Equivalent Output Noise : 24.9 dB or less, Signal to Noise Ratio : 60.0 dB,Should include 2 rechargeable batteries and charger with 2 slots for Bodypack transmitter, Battery Life : 8 hours or more.	Nos	1

50	Supply, installation, testing and commissioning of 18" Gooseneck Microphone with Shock Mount and Mute Switch Frequency Response - 50 to 17,000 Hz, Output Impedance (at 1,000 Hz) - Rated at 150 Ohm (180 Ohm actual), Open Circuit Sensitivity (At 1 kHz) - 33.5 dBV (21.1 mV), Maximum SPL (1kHz at 1% THD, 1 kOhm load) – 124.2 dB, Equivalent Output Noise (A-weighted) - 28.0 dB SPL, Signal to Noise Ratio (at 94 dB SPL) - 66.0 dB, Dynamic Range with 1 kOhm load – 96.2 dB, Common Mode Rejection - 45.0 dB minimum, Mute Switch Attenuation - 50.0 dB minimum, Preamplifier Output Clipping Level (1% THD) - -6.0 dBV (0.5 V).	Nos	2
51	Supply, installation, testing and commissioning of 18" Gooseneck Microphone with Base, Mute Switch Frequency Response - 50 to 17,000 Hz, Output Impedance (at 1,000 Hz) - Rated at 150 Ohm (180 Ohm actual), Open Circuit Sensitivity (At 1 kHz) - 33.5 dBV (21.1 mV), Maximum SPL (1kHz at 1% THD, 1 kOhm load) – 124.2 dB, Equivalent Output Noise (A-weighted) - 28.0 dB SPL, Signal to Noise Ratio (at 94 dB SPL) - 66.0 dB, Dynamic Range with 1 kOhm load – 96.2 dB, Common Mode Rejection - 45.0 dB minimum Mute Switch Attenuation - 50.0 dB minimum, Preamplifier Output Clipping Level (1% THD) - -6.0 dBV (0.5 V).	Nos	6
52	Supply, Installation, Testing and Commissioning of Antenna Splitter and Power Distribution System for receivers, 4-way active antenna splitter plus cascade port, different frequency versions available, external power supply. RF Frequency Range: 174 to 1805 MHz Gain Input to any output port: -1 to +1 dB with all required cables and accessories as per site requirement.	Nos	1
53	Supply, installation, testing and commissioning of 100 feet antenna cables, 50 Ohms.	Nos	2
54	Supply, Installation, Testing and Commissioning of Directional Active antenna RF Frequency Range : 470 - 900 Mhz, Four Position Gain Selector Switch, LED indicators for gain settings, Should include Antenna Amplifier as per site.	Nos	2
55	Supply, Installation, Testing and Commissioning of Wired Vocal Microphone, Type : Dynamic, Frequency Response : 50 to 15,000 Hz, Polar Pattern : Cardioid, Sensitivity (at 1,000 Hz Open Circuit Voltage) : -54.5 dBV/Pa (1.85 mV) 1 Pa = 94 dB SPL, Impedance : Rated impedance is 150Ω (300Ω actual) for connection to microphone inputs rated low impedance, Polarity : Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3, Case : Dark gray, enamel-painted, die cast metal; matte-finished, silver colored, spherical steel mesh grille, Connector : Three-pin professional audio connector (male XLR type).	Nos	4
56	Supply, Installation, Testing and Commissioning of 16 in 8 out Analog I/O Digital stagebox as the same OEM and compatible with offered Digital Mixer, complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1
57	Supply, Installation, Testing and Commissioning of 16 Channel DIGITAL CONSOLE/Digital Audio Mixer with Rack-mountable Digital Mixer for Live, Studio and Installation , 5" colour touchscreen, 16 Mono Inputs (TRS + XLR) , 3 Stereo Inputs (TRS), 4 Stereo FX with dedicated FX Returns , 16 Busses , 12 Mix Outputs (XLR) (LR, Mono Mix 1-4, Stereo Mix 1- 3) , 4 SoftKeys , Extra stereo outputs – AES digital, Alt Out, 2TRK out , Talkback mic input , dSNAKE Cat5 snake for remote audio, 4 Mute Groups , 4 DCA Groups4 Soft Keys, USB . complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1
58	Supply, Installation, Testing and Commissioning of AEC capable Digital Audio Conferencing Processor with at least 12 AEC Mic/Line inputs & 8 analog outputs, 24 Bit A-D and D-A Convertors or Convergence Rate: 49 dB/s; Sampling Rate : 48 kHz; THD : <0.01% or or better ; Frequency Response 20 Hz - 20 kHz ;Dynamic Range > 108 dB or better; 5 Control Inputs and Outputs; RS-232 and Ethernet Port for third party Control and Monitoring; 48 or more Bidirectional DANTE/Digital Audio Networking ports, Shall include standard Connectivity features like VoIP/digital phone, USB Audio etc. inbuilt DSP features like Conference room Routers, Input Equalizers, Router, Band Pass filter, Output Equalizer, Delay, Limiters, gates, Source selectors etc. complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1
59	Supply, Installation, Testing and Commissioning of custom Junction/Floor Box for stage with 2 power,2 XLR input, 2 LAN port and other connectors as per site requirement complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos.	12

60	Supply, Installation, Testing and Commissioning of minimum 2 Core 2.5sq mm Speaker Cable with copper conductors and PVC Jacket complete in all respect with required accesories as desired by Engineer- In- Charge.	mtr.	600
61	Supply, Installation, Testing and Commissioning of 24 AWG or 0.51 mm x 4 pair or better CAT6A STP cable STP cable complete in all respect with required accesories as desired by Engineer- In- Charge.	mtr.	610
62	Supply, Installation, Testing and Commissioning of Shielded microphone cable. 2 core + Shield, 18/23 AWG or better complete in all respect with required accesories as desired by Engineer- In- Charge.	mtr.	600
63	Supply, Installation, Testing and Commissioning of 42 U Equipment Rack, Locakable front glass door, cooling facility, internal wiring, front glass door, heat dessipation fans, movement wheels, power distribution units & equipment shelves as required, fully welded construction for strength. Extra-wide rackrail for cable pass-throughs to facilitate front-to-rear cabling complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos.	1
64	Supply, Installation, Testing and Commissioning of Smart Wood/Metallic podium approved by client before supply with provision of installing 2 gooseneck microphone, separate drawer for documents, fitted with i7 12 Gen PC (8GB RAM, 500GB SSD, inbuilt Wi-Fi enabled, and licensed Window 10 Professional or better pre loaded with 4 USB port, Licenced microsoft word, antivirus and other required softwares for functioning of auditorium softwares, HDMI port and audio port, fitted with 23" Interactive Pen Touch Monitor (Wacom or Equiv) for Live annotation with tilt motorized mechanism. FHD / UHD Resolution. Brightness: 250 cd/m2, contrast ratio: 1000:1 or better. Viewing angle : 178°(v) 178°(h) or better. Input: 1x HDMI. USB Interface. To be supplied with complete accessories wireless keyboard and wireless mouse with required capacity UPS complete in all respect with required accesories as desired by Engineer- In- Charge. Podium design with logo has to be approved by EIC before supply.	Nos.	1
Fire Alarming Total			
65	Supply, Installation, Testing and Commissioning of Microprocessor Based 1-loop, True Peer-to-Peer Networkable Addressable Fire Alarm Control Panel with minimum 600 characters LCD display, 4000 event plus 1000 alarm log history events, QWERTY keypad for programming. The panel should be equipped with sufficient numbers of loops considering 20% spare capacity in each loop. Each loop shall have a capacity of minimum 300 analog addressable devices. The panel shall work in degrade mode in case of CPU failure, Products not having this feature may offer Redundant CPU. Four access levels, flash EPROM, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and 30 mins in alarm condition. The panel shall be complete 2 ways Communication Fire Fighters System capable of supervising all the speaker circuits with adequate zone control and accessories. Failure of Fire Panel CPU shall not result in failure of DVC operation. The Fire Fighters Telephone System shall be capable of having minimum 30 Telephones in conference in multiple FFT Risers. Designed to meet UL864, 10th Edition and FM complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1
66	Supply, Installation, Testing and Commissioning of Addressable Multi-criteria Photo-Thermal Detector with sensitivity range of 0.5 to 4.0% obs/ft. The intelligent multi criteria detection device shall include the ability to combine the signal of the thermal sensor with the signal of the photoelectric signal in an effort to react hastily in the event of a fire situation. It shall also include the inherent ability to distinguish between a fire condition and a false alarm condition by examining the characteristics of the thermal and smoke sensing chambers and comparing them to a database of actual fire and deceptive phenomena. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall be with user friendly rotary decimal switches. Designed to meet UL268, 7th Edition. FM Approved.	Nos.	3

67	Supply, Installation, Testing and Commissioning of Addressable Beam Detector. The beam detector shall be used for High Ceiling application with a detection range upto 100 mtrs having 4 manual & 2 auto sensitivity settings. The beam detector shall be True addressable installed on the SLC circuite & communicate directly with the panel without any interface module.	Nos.	1
68	Supply, Installation, Testing and Commissioning of Addressable Manual Call Point (Pull down / Break Glass Type). The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device.	Nos.	2
69	Supply, Installation, Testing and Commissioning of Addressable Control Module for Sounders / Strobes / Sounder cum Strobes. The control module shall provide supervised NAC output rated at 24v DC, 2A. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Addressing shall be with user friendly rotary decimal switches. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	Nos.	2
70	Supply, Installation, Testing and Commissioning of Addressable Relay Module for AHU, Access Control, Lifts, Staircase Pressurization, Fire Suppression & other Third Party Outputs. The relay module shall provide contact rated at 24v DC, 2A. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Addressing shall be with user friendly rotary decimal switches. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	Nos.	1
71	Supply, Installation, Testing and Commissioning of Addressable Monitor Module for Sprinklers, Panic Bars & other Third Party Inputs. The monitor module shall monitor potential free contacts. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Addressing shall be with user friendly rotary decimal switches. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	Nos.	1
72	Supply, Installation, Testing and Commissioning of Sounder cum Strobe rated at 80 dBA @ 3m for Audible annunciation and 115cd flashintg at 1 Hz for visual indication. UL Listed complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos.	2
73	Supply, Installation, Testing and Commissioning of 2 CORE X 1.5 Sq mm multi stranded twisted unshielded FRLS Copper cable complete in all respect with required accesories as desired by Engineer- In- Charge.	Rmt.	100
Stage Lighting & Stage Engineering Total			
74	Supply, Installation, Testing and Commissioning of LED Par Lights with Lamp : 3 Watt x 54 RGBW and with channel : 6 or more DMX; Power consumption : 110 W or better, 240volt. Housing CRC sheet, Color Black, Function: strobe, dimming, sound active and Master slave. Focusing Front/Back/Rotary Knob, 2 mtr. 3 core wire , plug top. Complete in all respect and to be approved by Architect and his representative.	Nos.	16
75	Supply, Installation, Testing and Commissioning of LED profile light Lamp with 200 Watt or better; 2 or better DMX channel protection grade over heating & high voltage. • Focus : Manual Focus e Beam Angle : 19° Control : DMX, Autorun and Master/Slave Shutter arrangements : Beam shapping shutter. Complete in all respect and to be approved by Architect and his representative.	Nos.	4
76	Supply, Installation, Testing and Commissioning of LED Fersnal light with Lamp : High quality 180W LED Fresnel light used as a Key light, Back light, Fill light with dimming, spot & flood focus versions for creating various effects for multiple applications with specifications as below. Lamp power - 180W COB LED Power SITC - 100-240 AC, 50/60 Hz Power cable - 3 core 1 sq. mm. copper PVC insulated Color Temperature: 3200K Control : DMX512 / Manual Spot - Flood focus adjustment. Complete in all respect and to be approved by Architect and his representative.	Nos.	6
77	Supply, Installation, Testing and Commissioning of LED Flasher Bar with power consumption of 100 W or better; Lamp : 18 RGBW 10 Watt, Channel : 7 DMX; Control : DMX, Housing CRC sheet metal Holder 2 Nost, 2 mtr 3 core copper wire 3 pin plug top. Complete in all respect and to be approved by Architect and his representative.	Nos.	6

78	Supply, Installation, Testing and Commissioning of 300W LED Moving Head Light used as a Special Effect Light by Integrating three features - Beam, Spot, & Wash effect with high- contrast gobo projection etc., for entertainment lighting, with below specifications: - Source : 1 x 300W LED e Power SITC : 100 - 240v AC, 50 - 60Hz. Operation Modes : DMX512, Master / Slave, Sound active. e Beam Angle : 1°/3°/6.5° (with beam reducer), 2°/6°/13°/20° (with zoom lens), Spot Angle : Fix Gobo: 9°-18°, Rotating Gobo: 7.5°-13° (with zoom lens) , Wash Angle : 12°-23° e Pan/Tilt Angle : 540°/ 240° (16 bit) DMX Channels : 16/19 channel e Color Wheel : 7 fixed colors plus white with rainbow effect Gobo Wheel : 1 static gobo wheel with 9 fixed gobos plus open and 1 rotating gobo wheel with 7 gobos plus open e Prism : 6 facet prism, rotation in both direct. Complete in all respect and to be approved by Architect and his representative.	Nos.	2
79	Supply, Installation, Testing and Commissioning of High quality LED PARCAN Light used for dance hall, architectural and stage lighting with below specifications: Lamp power - 100W LED Power SITC - 100-240 AC, 50/60 Hz Channels: 2 channel DMX 512 Control: Manual, DMX Color Temperature: 3000K CRI > 90 Function: Dimming, Strobe Dimming: 0-100% Beam Angle - 9/15/20° Protection rating - IP20. Complete in all respect and to be approved by Architect and his representative.	Nos.	12
80	Supply, Installation, Testing and Commissioning of "C" clamp with safety locking chain, duly powder coated in black matt texture finish. Complete in all respect and to be approved by Architect and his representative.	Nos.	46
81	Supply, Installation, Testing and Commissioning of Light controller with 20 or more channel Double Preset/40 or more channels Single preset(WIDE);with 2 or more output channels,48 registers or better (assignable with scene memories or chase)+24 registers or better for the immediate modification of the channels,12 pages or more of registers (total 288 scene memories),24 or more programmable chase (level or on/off) with chase level independent. Complete in all respect and to be approved by Architect and his representative.	Nos.	1
82	Supply, Installation, Testing and Commissioning of DMX Data Splitter: 1 x IN and 12 x Out or more DMX-512 Data Splitter, suitable both for Dimmer & Intelligent Lights. Complete in all respect and to be approved by Architect and his representative.	Nos.	2
83	Supply, Installation, Testing and Commissioning of Follow spot light 1250 watt long double ended color temperature : 6000K DMX channels : 4 channels dimmer/flash: dual patches dimming,1-10 flashes/s,speed adjustable, iris: linear zoom in & zoom out, color wheel: 5 colors+ white/with rainbow effect, speed adjustable, color temperature wheel: 2 color temperature rectify filters. Complete in all respect as desired by the Engineer in charge of work at site.	Nos.	1
84	Supply, Installation, Testing and Commissioning of 2 core shielded DMX control cable for lighting. Complete in all respect and to be approved by Architect and his representative.	Mtr	300
85	Supply, Installation, Testing and Commissioning of Inter connection XLR Box- DMX Data patch cables, using 2-core Cu.Cond.Lap sheilding, suitable for RS485 / DMX data ; for interlinking Intelligent Lighting Fixtures & Dimmer(s) to DMX Splitter(s) & to control desk - to be laid in PVC conduits (to be terminated with supplied XLR connectors). Complete in all respect and to be approved by Architect and his representative.	Nos.	30
86	Supply, Installation, Testing and Commissioning of 2.5sqmm x 3 core cable (Incoil/National).Complete in all respect and to be approved by Architect and his representative.	Mtr	300
87	Supply, Installation, Testing and Commissioning of Socket box 4'x4' with Power junction BOX multi socket for lighting power. Complete in all respect and to be approved by Architect and his representative.	Nos.	30
88	Supply, Installation, Testing and Commissioning of Side Light Ladder of 25mm x 50mm M.S.tube size (6'x2').Complete in all respect and to be approved by Architect and his representative. Make: New Stage Craft / Modern Luminaires / Canra.	Nos.	4

89	Supply, Installation, Testing and Commissioning of Stage suspension Grid: Providing & fixing MS suspension grid system over stage for hanging stage services made of 2 nos 40x40x5mm MS angles welded back to back with 50x12x12mm thk studs as MS spacers sandwiched between the MS angles so as to maintain 12mm gap between MS angles, the welded angles to be placed @ 1200mm c/c in one direction and 40x5mm thick MS Tee @ 600mm c/c in other direction. The MS grid to be suspended from the roof structure by means of MS flat suspender of 50x6mm thick MS flats @ 1200mm c/c in both directions. All MS members to be painted with a coat of red oxide primer & 2 or more coats of black enamel paint. All complete as per Architect or Architect's representative.	KG	2500
90	Supply, Installation, Testing and Commissioning of B class 50 mm dia M.S. pipe painted black hanged from the grid by means of MS flat to act as lighting bars. etc. complete as reqd. Complete in all respect and to be approved by Architect and his representative.	Mtr	40
91	Supply, Installation, Testing and Commissioning of Main curtain made out of Velvet curtain (480 to 500 gram in 1 mtr) cloth with horizontal sliding arrangement complete with fixing railing track, fixing brackets, runner, master runner, 3mm rope wire, 1HP Crompton Motor, drum with groove cutting, pulleys, 2 No air breaker switch (L&T, Siemens, GE make) for reverse & forward, 2 No air micro switch for auto stop, 3 No push button for Open/Stop/Close position the curtain should be dropped to half area, when in closed position and minimum overlap at the centre should be 900mm and curtain should be stitched in double gathering. Complete in all respect and to be approved by Architect and his representative.	Sq Mtr	73.14
92	Supply, Installation, Testing and Commissioning of back curtain made out of glazed cotton cloth with horizontal sliding arrangement complete with fixing railing track, fixing bracket, runner, master runner, 3mm rope wire, 1HP Crompton Motor, drum with groove cutting, pulleys, 2 No air bracker switch (L&T, Siemens, GE make) for reverce & forward, 02 No. air microswitch for auto stop, 3 No push button for Open/Stop/Close position the curtain should be dropped to half area, when inclosed position and minimum overlap at the centre should be 900mm and curtain should be stitched in One & half gathering. Complete in all respect and to be approved by Architect and his representative.	Sq Mtr	73.14
93	Supply, Installation, Testing and Commissioning of Stage Curtain control box well designed and engineered Wall mount 6 feeder motor control centre panel & Remote control panel with emergency trip & necessary meterings and contactors and relays to control the motors system for curtains. (MCCP/RCP -6). Complete in all respect and to be approved by Architect and his representative.	Nos.	1
94	Supply, Installation, Testing and Commissioning of WINGS at Stage with fire retardant crape black fabric (weight not less than 290 gms/sqm of Make: Capital/ RSWM/Banswar Syntax) fixed complete on 50x 25(1.6 mm thick) MS tube framework @ 1200 (V) x 600 (H) c/c backed with 6mm ply & 12mm U foam below the fabric. The rear side of the wing to have 6mm ply. The ply to be given 2 coats of black enamel paint after jointing finishing as per the manufacturers recommendations. The wing to be mounted with central pivot mechanism for 180 degree rotational movement at top & bottom. Size 1.2 mtr (w) x 9.52 mtr (h) approx. The work shall be executed as per drawings, specifications & instructions of Architect or Architect's representative.	Nos.	4
95	Supply, Installation, Testing and Commissioning of the Border frills out of Fire retardant Crape black colour (weight not less than 290 gms per mtr Make Comrade/ RSWM/Banswar Syntax) fabric in 1:2 gathers & accessories like cotton dori eyelets of brass complete with 25mm dia medium grade GI pipe painted black suitably hung from the ceiling complete of size 1mtr x 11.5mtr approx. The work shall be executed as per drawings, specifications & instructions of engineer in charge. Complete in all respect and to be approved by Architect and his representative.	Nos.	4

96	Supply, Installation, Testing and Commissioning of the cyclorama for the stage by fixing 35x35x5mm MS angle on the wall with MS angle hold fasts secured to the walls & 40mm dia 14G MS pipe welded to it as per the drgs. Further 40mm dia pipe welded to it at 600 centres vertically at an angle of 45 deg. & finally welding 40 mm dia pipe horizontally to it. The pipe to be supported away at 200mm centers by MS pipe. Further welding to it 12mm dia MS hooks welded both (top ,bottom & sides). The cycloram frame to be supported by MS angle hold fasts of 35x35x5mm on the wall at 1200mm centers. Finally fixing PVC perforated screen, cyclorama cloth as per approved sample & fixing by cotton dori 10mm thick 12mm Comercial ply fixed back cyolorama frame for saving Fabric till 8 feet complete.The work shall be executed as per drawings ,specifications & instructions of engineer in charge. Complete in all respect and to be approved by Architect and his representative.	Mtr	47.56
97	Supply, Installation, Testing and Commissioning of motorised winch operated bars of 300 Kg capacity, Bars are suspended using steel wire rope guided through 1,2,3 and 4 set of diverter Pullies and supported at every 3-4 mtr. The Existing GI pipe for Light and Set bars are then welded to the Winch bar. The Light Bar winches should have necessary Cable Retracting arrangement to be collected in cable basket fixed on the Motorised Bar. Complete in all respect and to be approved by Architect and his representative. Make : New Stage Craft / Modern Luminaires / Canra.	Each	3
Electrical Items Total			
98	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including modular plate etc. as required. connections but excluding		
	5/6 A switch	Nos.	40
	3 pin 5/6 A socket outlet	Nos.	40
	15/16 A switch	Nos.	30
	6 pin 15/16 A socket outlet	Nos.	30
99	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.		
	3 Module (100mmX75mm)	Nos.	20
	6 Module (200mmX75mm)	Nos.	22
	12 Module (200mmX150mm)	Nos.	3
100	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.		
	2 X 1.5 sq. mm + 1X 1.5 sq. mm earth wire	Rmtr	3500
	2 X 2.5 sq. mm +1X 2.5 sq. mm earth wire	Rmtr	4500
	2 X 4 sq. mm +1X 4 sq. mm earth wire	Rmtr	900
	2 X 6 sq. mm +1X 6 sq. mm earth wire	Rmtr	600
101	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
	8 way , Double door	Nos.	2
	12 way , Double door	Nos.	2
	16 way, Double door	Nos.	1
102	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
	6 way (6 + 18), Double door	Nos.	1
103	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
	Single pole	Nos.	40

104	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
	40A	Nos.	2
	63A	Nos.	4
	100A	Nos.	1
105	fixing following rating, four pole, (three phase Supplying and and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
	63 A	Nos.	4
106	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		
	25mm	Rmtr	304
	32mm	Rmtr	152
107	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
	150 mm width X 50 mm depth X 1.6 mm thickness	Rmtr	120
	300 mm width X 50 mm depth X 1.6 mm thickness	Rmtr	60
108	Supplying and installing following size of perforated painted with powder coating M.S. cable trays bends with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
	150 mm width X 50 mm depth X 1.6 mm thickness	Nos.	6
	300 mm width X 50 mm depth X 1.6 mm thickness	Nos.	2
109	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Tee with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
	150 mm width X 50 mm depth X 1.6 mm thickness	Nos.	2
	300 mm width X 50 mm depth X 1.6 mm thickness	Nos.	2
110	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Cross Member with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required		
	150 mm width X 50 mm depth X 1.6 mm thickness	Nos.	1
	300 mm width X 50 mm depth X 1.6 mm thickness	Nos.	1
111	Supply, Installation, Testing and Commissioning of COB based recessed downlight luminaire Zena 114 with system power: 12 W, Luminous flux of luminaire 1200 lm, Colour temperature of 4000 K, Neutral white, SDCM 3, CRI > 80, 230 V constant current driver, 70% of luminous flux after 50,000 operating hours; Energy efficient LEDs, Direct light emission, Luminaire housing in aluminium, Polyester powder white coloured coat applied over a 5- stage pre-treatment, Clear glass cover, beam angle of 38°, ZHLS (ZERO HALOGEN LOW SMOKE) wiring, External electronic control gear, Protection class II, IP 40, Ø = 114mm, DA(Ø) = 108mm, H = 110mm.	Nos.	18

112	Supply, Installation, Testing and Commissioning of LED recessed luminaire with LED (Light Emitting Diode) system power: 25W, the colour temperature of 4000K, neutral white, 230V constant current driver, 70% of luminous flux after 50,000 operating hours, energy-efficient LEDs, CRI>80, the luminous flux of 3500 lm, Electronic control driver, direct light emission, Sheet Metal frame, polyester white powder coat applied over a 5-stage pre-treatment, opal diffuser for glare-free uniform light. Protection class I, IP40, MacAdam 3, T.H.D≤ 10%, driver efficiency ≥ 88%, surge protection of 2.5kV, L = 595mm, B = 595mm, H = 70mm.	Nos	25
113	Supply, Installation, Testing and Commissioning of LED Strip light 25W of power and equipped with 60 high-quality LEDs including drivers. Make : Philips/Regent/LT Lighting Technologies.	Rmtr	86
114	Providing and fixing of Step Lighting Voltage 240 V Color White, Grey, Black Base White, Poly Carbonate, FR Grade,UV stabilized Material grade Poly Carbonate Uv stabilized & Fr grade. complete to the satisfaction of Engineer –in-charge.	Nos	48
115	Providing and fixing of LED Exit signage Voltage 240 V and battery backup Poly Carbonate, FR Grade,UV stabilized Material grade Poly Carbonate Uv stabilized & Fr grade. complete to the satisfaction of Engineer – in-charge.	Nos	6
Furniture Total			
116	Providing & making table (3200x600x750 mm) , Structure in 19mm Ply (BWR GRADE), Finished with 1MM thick laminate(merino), inside finished with 0.8MM thick laminate(Merino) ,including necessary hole, complete with Drawers,channels,lock & hardware(Hafele) etc. as per Design , drawing.(Audio Vedio room).	No	1
117	Providing and fixing Low back chair of approved make/approved (Green Room)	Nos	4
118	Providing visitor/Staff chair of approved make/approved (AV Room)	Nos	2
119	Providing and fixing 6mm thick mirror fixed over 12mm BWP grade ply fixed to wall and surrounded with steam beech wood moulding including polishing etc. complete as per design and drawing and directions of Architect or Architect's representative..(Green Room and Toilets)	Sqm	13.2
120	Laminated Finish Open Shelves 475mm Deep : Providing and fixing low height open Shelves as per details. Top, bottom to be made out of 19-mm comm. block board (Century) with Approved pvc edge banding tape(make Rehau) match with laminate color. Back to be provided of 8-mm thick commercial ply(century).All shelves to be adjustable and made of 19 mm thick commercial board(century) .The sides of the storage to be made of 19mm thick commercial board(century). All shelves to be adjustable and made of 19 mm thick commercial board.fixed on all sides and inside surface to be finished 0.8 mm thick white laminate(Merino).Complete with all necessary fittings approved make(hafele) and size as per directions of Architect or Architect's representative.(Green Room).	Sqm	5.04
121	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 meters lead :	Sqm	13.61
122	Dismantling wood work in frames, trusses, purlins and rafters upto 10 meters span and 5 meters height including stacking the material within 50 meters lead :	Sqm	110
123	Dismantling aluminum / Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	Sqm	667
124	Carriage of unserviceable materials by mechanical transport including loading, unloading and stacking up to 15kms	Cum	20
125	Providing and fixing of Papier Machie art work each layer of paper, delicately molded and shaped, reflects hours of patient dedication, resulting in a piece that feels both fragile and enduring. The intricate textures capture the essence of organic forms, inviting a closer look to appreciate the fine detailing. Its soft, muted colors, paired with subtle variations in shape as approved by client & consultant before start the work.Common themes like flowers, box patterns, jungle motifs, Kashmiri symbols like almonds, the chinara leaf or any other as selected by the bank	Sqm	23.48

126	Repairing of existing auditorium chairs : (1) Removing and refixing after Change in upholstery of all seats as per fabric selected by the bank. (2) Arm rest cushioning with repairs and new glass holders of the seats . (3)Expansion fasteners replacement wherever required (4)Front row be kept for VIP Chairs .	Nos	202
-----	--	-----	-----

Annexure XI			
List of Approved Makes List			Offered makes (S. No. 24 of page 13)
S. No.	Item Description	Approved Makes	
1	Acoustic Woodslate	Armstrong/Anutone/Akoustikos/Saint Gobain / Himalyan Acoustics or Equivalent	
2	Wood Fiber cement tile	Armstrong/Anutone/Akoustikos/Saint Gobain / Himalyan Acoustics or Equivalent	
3	Stage Wall Paneling Wall Panelling Wood Fiber cement Fibrette tile	Armstrong/Anutone/Akoustikos/Saint Gobain / Himalyan Acoustics or Equivalent	
4	Stage Celing Wood Fiber cement Fibrette tile	Armstrong/Anutone/Akoustikos/Saint Gobain / Himalyan Acoustics or Equivalent	
5	Steam Beach paneling	Greenply / Century / Merino / Himalyan Acoustics or Equivalent	
6	Flocked textile floor Carpet	Akoustikos / Flotex / Nexgen / Vibrant Floor / Himalyan Acoustics or Equivalent	
7	Anti-static floor	Jemkon/CIR-Q-Tech/Durban /LG / Akoustikos or Equivalent	
8	Fibre Glass Acoustical Suspended Ceiling	Armstrong/Anutone/Akoustikos/Saint Gobain / Himalyan Acoustics or Equivalent	
9	Proscenium for Stage	Greenply/Century/Merino & Tata/Jindal/Kamdhenu/Apollo or Equivalent	
10	Stage Flooring	Greenply/Century/Merino & Teak Wood Plank with Sal Wood Frame or Equivalent	
11	Acoustic Door	Navair/Ecotone/Envirotech / Himalyan Acoustics or Equivalent	
12	Door Accessories (Item no 15 to 18)	Dorma / Hettich / Doorwin or Equivalent	
13	Wood Skirting	Teak Wood	
14	Wall Cabinet	Century/Greenply/Merino or Equivalent	
15	Transparent Glass	Saint gobain / Ashi / FUSO or Equivalent	
16	Under deck insulation	Bitmac/Ashaindia/Sunrock or Equivalent	
17	White cement based putty	Birla White/JK Cement or Equivalent	
18	Acrylic emulsion paint	Nerolac/Berger/Asian or Equivalent	
19	2.5mm Pixel Pitch Active Led Video wall	Daktronics / Barco / Christie or Equivalent	
20	55" 4K LED Professional Display	Samsung / Sony / LG / Christie or Equivalent	
21	43" 4K LED Professional Display	Samsung / Sony / LG / Christie or Equivalent	
22	Switcher	Extron / Lightware/AMX or Equivalent	
23	Matrix switcher	Extron / Lightware/AMX or Equivalent	
24	Full 4K HDMI Transmitter	Extron / Lightware/AMX or Equivalent	
25	Full 4K HDMI Receiver	Extron / Lightware/AMX or Equivalent	
26	HDMI Distribution amplifier	Extron / Lightware/AMX or Equivalent	
27	USB Extender	Extron / Lightware/AMX/Liberty AV or Equivalent	
28	PTZ Camera	Sony / Vaddio / Clearone or Equivalent	

29	Control Processor	Extron / Lightware / AMX or Equivalent	
30	10" Wireless Touch Panel	Extron / Lightware / AMX or Equivalent	
31	10-11 inch Multi-Touch (iPad)	Apple or Equivalent or Equivalent	
32	24 port Ethernet switch	Dlink / Netgear / Cisco or Equivalent	
33	Wi-Fi Router	Dlink / Netgear / Cisco or Equivalent	
34	Recorder and streaming device	Lumens / Extron / Arec or Equivalent	
35	USB-C to USB-C 3 m (9,84 ft) cable	Extron / Lightware / Liberty AV or Equivalent	
36	HDMI Cables	Extron / Lightware / Liberty AV or Equivalent	
37	Speakers & Subwoofer	TW Audio/d&b audiotechnik/ L-Acoustics/Bose/JBL or Equivalent	
38	Power Amplifiers	TW Audio (Powersoft)/d&b audiotechnik/ L-acoustics / Bose /Crown or Equivalent	
39	Microphones	Shure / DPA / Lectrosonics / Revolabs / Electrovoice or Equivalent	
40	Antenna Splitter and Power Distribution System	Shure / DPA / Lectrosonics / Revolabs / Electrovoice or Equivalent	
41	100 feet antenna cables, 50 Ohms	Shure / DPA / Lectrosonics / Revolabs / Electrovoice or Equivalent	
42	Directional Active antenna RF Frequency Range	Shure / DPA / Lectrosonics / Revolabs / Electrovoice or Equivalent	
43	16 in 8 out Analog I/O Digital stagebox	Yamaha/Allen & Health/Digico/Souncraft or Equivalent	
44	Digital Audio Mixer with 32-40 input Digital Mixing Console	Yamaha/Allen & Health/Digico/Souncraft or Equivalent	
45	Dante Digital Audio I/O card	Yamaha/Allen & Health/Digico/Souncraft or Equivalent	
46	AEC capable Digital Audio Conferencing Processor	Bose/BSS/Biamp/Clearone or Equivalent	
47	Floor Box for stage	Custom/EIC approved	
48	14 AWG or thicker Speaker Cable	Extron/Krystal/Kramer/Liberty AV or Equivalent	
49	24 AWG or better CAT6A STP cables	Extron/Krystal/Kramer/Liberty AV or Equivalent	
50	Shielded microphone cable	Extron/Krystal/Kramer/Liberty AV or Equivalent	
51	42 U Equipment Rack,	Netrack/APW President/Rittal/valrack/MTS/Modern Luminaires or Equivalent	
52	Smart metallic podium	Metal Body Custom Make as Eng in charge / Modern Luminaires PC (HP/DELL/IBM) or Equivalent Interactive Pen Touch Monitor - Wacom or Equivalent	
53	Fire Alarm Control Panel	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	

54	Photo-Thermal Detector	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	
55	Beam Detector	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	
56	Addressable Manual Call Point	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	
57	Control Module for Sounders / Strobes / Sounder cum Strobes	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	
58	Addressable Relay Module	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	
59	Addressable Monitor Module for Sprinklers, Panic Bars & other Third Party Inputs	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	
60	Sounder cum Strobe	Notifier/ IFC/ Neptune Fire(USA)/ SCHRACK/ FENWEL or Equivalent	
61	2 CoreX 1.5 Sq Armound Cable	Havells/Finolex/Grandlay/RR/National or Equivalent	
62	LED Par Lights	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
63	LED profile light Lamp	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
64	LED Fersnal light with Lamp	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
65	LED Flasher Bar	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
66	300W LED Moving Head Light	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
67	High quality LED PARCAN Light	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
68	"C" clamp	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
69	Light controller	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
70	DMX Data Splitter	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
71	Follow spot light 1250 watt	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
72	2 core shielded DMX control cable	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
73	Inter connection XLR Box	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
74	2.5sqmm x 3 core cable	Havells/Finolex/Grandlay/RR/National or Equivalent	
75	Socket box 4'x4'	New Stage Craft / Modern Luminaires / Canara /Leksa or Equivalent	
76	Side Light Ladder	Tata/Kamdhenu/Jindal/SAIL/Apollo or Equivalent	

77	Stage Suspension Grid	Tata/Kamdhenu/Jindal/SAIL/Apollo or Equivalent	
78	B class 50 mm dia M.S. pipe	Tata/Kamdhenu/Jindal/SAIL/Apollo or Equivalent	
79	Main curtain	New Stage Craft / Modern Luminares / Canara / Leksa (Cloth - Raymond/Reliance/NexgenResponse) or Equivalent	
80	Back curtain	New Stage Craft / Modern Luminares / Canara / Leksa (Cloth - Raymond/Reliance/NexgenResponse) or Equivalent	
81	Stage Curtain control box	New Stage Craft / Modern Luminares / Canara /Leksa or equivalent	
82	Stage Wing	New Stage Craft / Modern Luminares / Canara /Leksa or equivalent	
83	Border frill	New Stage Craft / Modern Luminares / Canara /Leksa or equivalent	
84	Motorised winch	New Stage Craft / Modern Luminares / Canara /Leksa or equivalent	
85	COB based recessed downlight luminaire	Philps/Regent/LT Lighting/Wipro/Technologies or Equivalent	
86	LED recessed luminaire	Philps/Regent/LT Lighting/Wipro/Technologies or Equivalent	
87	LED strip with aluminium profile	Philps/Regent/LT Lighting/Wipro/Technologies or Equivalent	
88	Step Lighting	Philps/Regent/LT Lighting/Wipro/Technologies or Equivalent	
89	LED Exit signage	Philps/Regent/LT Lighting/Wipro/Technologies or Equivalent	
90	Table	Custom/Promark / Godrej/EIC approved (Greenply/Century/Merino)	
91	Auditorium Chairs	Godrej/Akoustikos/ Durian/ HNI/Steelcase/Promark or Equivalent	
92	Low back chair	Godrej/Akoustikos/ Durian/ HNI/Steelcase/Promark or Equivalent	
93	Visitor/Staff chair	Godrej/Akoustikos/ Durian/ HNI/Steelcase/Promark or Equivalent	
94	Low back chair (Green Room)	Godrej/Akoustikos/ Durian/ HNI/Steelcase/Promark or Equivalent	
95	6mm thick mirror	Saint Gobain/Modiguard/Asahi or Equivalent	
96	Laminated Finish Open Shelves storage	Custom/Promark / Godrej/EIC approved (Greenply/Century/Merino)	

Note: The bidders are permitted to offer equivalent makes of products/items provided they meet or exceed the specified technical and quality specifications. The bidder must ensure that the alternative make offered is of similar or better specifications than those specified in the tender.

However, any bidder proposing an alternative make must seek prior approval from the Tendering Authority by submitting a request through pre-bid queries. The bidder should provide detailed specifications, catalogues, and any other relevant documents to substantiate the equivalence of the proposed make. The Tendering Authority will evaluate the proposed equivalent makes and confirm whether they are acceptable before the submission of bids.

Bidders are advised to submit their queries for equivalent makes well within the time frame specified for pre-bid clarifications. No post-bid requests for alternative makes will be entertained.

Annexure XII

Price / Commercial Bid

Sr. No.	Item Description	Units	Qty	Rate	Total Amount
	Acoustic & Interior				
1	Providing & Fixing of Woodslate NRC 0.88 with pre laminated matt finish panels Supplying of FR Grades 2430x131x16mm made of exterior grade HDHMR backed with acoustical Fleece providing sound absorption of 0.88 NRC.To be installed with 15mm Aluminium profile conformsto Aluminium Alloy 6063-T 6.Temper As per BS:1474- 1987 and G.I Lock in clips on the back of tongue and Groove system. The density per panel is minimum 750-800 kg/m3. The panels come with tongue & groove for seamless patterns, 4-28mm Groove and visible panel. These slats should comes with linear perforations for excellent uniformity. The perpendicular holes are available on the back of panel which are covered by black acoustical fleece. Achieves sound reduction of 0.88 NRC. To be installed on GI Channel (48mmx48mm) .5mm thickness or better with a backing of Polyester Fiber Wool Covered with Chicken mesh Jali from both sides. 50mm thick,1000 GSM absorb wool tested as per Fire Retardant ASTM D 635-1991 Insulation and IS 15061-2002 for excellent results. Complete in all respect and to be approved by Architect and his representative.	Sqm	136.10		
2	Providing & Fixing of 9mm / 10 mm thick seamless polyster fiber board FR frades panels providing sound absorption of 0.90 NRC.To be installed on 12mm thick perforated HDHMR panels with industrial adhesive. The density per panel is minimum 1800GSM. The panels made from recycled material. Achieves sound reduction of 0.90 NRC. To be installed on GI Studs (48mmx48mm) .5mm thickness or better with a backing of Polyster Fiber Wool Coverd with Chicken mesh Jali from both sides. 50mm thick,1000 GSM absorb wool tested as per Fire Retardant ASTM D 635-1991 Insulation and IS 15061-2002 for excellent results. Complete in all respect and to be approved by Architect and his representative.	Sqm	64.66		
3	Providing & Fixing of Stage Wall Paneling Wall Panelling Wood Fiber cement Fibrette tile Size 595x595x20 mm NRC1 with GI Channel (48mmx48mmx0.5mm) Supplying Wood Fiber tiles made of Wood Fibre 1mm width cement composites 15mm thick with Black colours as per the choice of the Architect/ person in charge of size 595x595x15 mm. Has excellent noise absorption of 1 NRC as per ISO: 354-1985 and ASTM 423-90 a, Density 400 Kg/ m3, meets stringent Fire Ratings ASTM D-876 and Fire Class -1 as per BS 476 part 5 and 6,Class P-not easily ignitable as per BS-476-Part 5 (Ignitability for material).This is applicable for core and class 1 as per BS 476- Part 7 (Method for classification of surface spread of flame) ,weather resistance as per IS 3308, Thermal Insulation as per IS:3346-1980 with relative humidity of 90% RH at 60o Celsius(140o Fahrenheit) for 15 days= No deterioration. Conforms to En 131682001 and are RoHS Compliant. To be installed on GI Studs	Sqm	72.50		

	(50mmx50mmx50mm) with a backing of Polyester Fiber Wool. 50mm thick, 1000 GSM absorb wool. Covered with Chicken mesh Jali from both side. tested as per Fire Retardant ASTM D 635-1991 Insulation and IS 15061-2002 for excellent results. Complete in all respect and to be approved by Architect and his representative.				
4	Providing & Fixing of Stage Ceiling Wood Fiber cement Fibrette tile Size 595x595x20 mm NRC1 on existing ms frame work Supplying tiles made of Wood Fibre 1mm width cement composites 20mm thick with an option of colours as per the choice of the Architect/ person in charge of size 595x595x20mm. Has excellent noise absorption of 1 NRC as per ISO: 354-1985 and ASTM 423-90 a, Density 400 Kg/ m ³ , meets stringent Fire Ratings ASTM D-876 and Fire Class -1 as per BS 476 part 5 and 6, Class P-not easily ignitable as per BS-476-Part 5 (Ignitability for material). This is applicable for core and class 1 as per BS 476- Part 7 (Method for classification of surface spread of flame), weather resistance as per IS 3308, Thermal Insulation as per IS:3346-1980 with relative humidity of 90% RH at 60o Celsius (140o Fahrenheit) for 15 days= No deterioration. Conforms to EN 131682001 and are RoHS Complaint. To be installed on existing ms frame work Complete in all respect as desired by the Engineer in charge / Consultant of work at site.	Sqm	29.04		
5	Providing and fixing of Steam Beach paneling 4mm thick veneer Ply. Over columns and walls as required covered with 12 mm thick approved commercial ply faced with 4 mm veneer Ply – steam beach in the front with necessary 6 mm vertical and horizontal grooves. The item shall be completed in all respect including Melamine Polish etc. as above as per architects drawings. All framework shall be spot welded with fine grinding and painted with anti corrosive paint. The framework shall be anchored using anchor fasteners and screws. complete to the satisfaction of Engineer –in-charge.	Sqm	82.22		
6	Providing & Fixing of Flocked textile floor covering of Nylon 6.6 face fiber or equivalent of approved make with 100% Nylon and completely water proof resilient backing. The flooring should be Anti static with thickness of 4.3 mm and approximate weight of 1.8 k.g./sqm of roll form. The carpet should be completely stain resistant and of a density approx. 80 million fibers/sq.mtr (70 million fiber/sq.yd) in the width of 2 mtr .The floor covering should have Fire Test EN-13501, Appearance Retention Hexapod ISO 140-8, Friction Slip Resistance Test EN 14041 Class DS, SANITISED anti-microbial treatment, with resilient waterproof backing, anti allergic which is certified by British allergy foundation, with ten year replacement guarantee. The carpet should have permanent static control. Complete in all respect and to be approved by Architect and his representative.	Sqm	178.71		
7	Providing and fixing of 2 mm thick homogenous Anti static floor for control room XLPU Polyvinyl chloride sheet/tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesive of approved quality and manufacturer like Dunlop or equivalent including rolling with wooden rollers weighing about 5kgs all complete as directed by Engineer-in-charge, in approved colour and shade. Complete in all respect as desired by the Engineer in charge / Consultant of work at site.	Sqm	11.83		

8	Providing & Fixing of Fibre Glass Acoustical Suspended Ceiling System with 15 thick black Board Edge Tiles with 24mm face exposed grid. The tiles shall have smooth laminated visual with Humidity Resistance (RH) of 95%, NRC 0.85 – 0.95 (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423 standard, Light Reflectance $\geq 85\%$ as per ASTM E-1477, Colour Pebble Black, Fire Performance of Class 0/1 as per BS 476 Part 6/7 with 15/20/25mm Board edge in module size of 600 x 600mm. It shall be suitable for Green Building application, with Recycled content of 66% (GW)/ 74% (RW). INSTALLATION: The tile shall be laid on 24 mm wide T - section flanges colour global black (matching to tile colour) having roll formed double stroke rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm (all sections). The deflection loading of the system shall be 15 kg/m ² (as per standard installation layout mentioned below) and main beam tested as per ASTM C635 (Deflection limit less than L/360) with a deflection loading of 18kg/m. The end details of the cross tee shall be made of pre hardened steel and fixed to the ends of the cross tee to provide double locking between “cross tee to cross tee” and “cross tee to main beam”. All main beam to main beam and cross tee to cross tee connection shall have a pull out strength of more than 100kg. The T Sections shall be made of hot dipped galvanized steel of 90 gsm as per IS 277 (2003) and pre-painted steel with baked polyester paint with OT bending capability. Complete in all respect as desired by the Engineer in charge / Consultant of work at site.	Sqm	98.10		
9	Providing & Fixing of 70mm thick Wooden Partition Proscenium from Stage flooring to Ceiling as approved by architects. Providing & Laying of 70mm thick proscenium M.S Frame 50x50mm at 600 mm c/c in on other direction, the framework to be filled with 50 mm thick Absorbwool density 48 kg/m ³ . and finished with 10mm commercial ply both the side firmly screwed in MS section and laid as per design & drawing. Complete in all respect and to be approved by Architect and his representative.	Sqm	28.26		
10	Providing and fixing of Stage Flooring 75x18 mm thick in random length, 2nd class teak wood planks flooring with T&G joints on a layer of 19 mm thick ply (Greenlam or Century) fixed to hard wood, 50x50 mm at 600 mm c/c in other direction, the framework to be filled with 50 mm thick rockwool density 48 kg/m ³ . PU polishing of teakwood on exposed surface in horizontal/vertical plane (rate for flooring shall include providing additional framework required for housing microphone and power outlet junction boxes including providing & fixing of hinged 18 mm thick teakwood cover for junction boxes. Complete in all respect and to be approved by Architect and his representative.	Sqm	99.90		

11	Providing and fixing of Fire Rated/Acoustical Wooden Doors: Supply & fixing of 70mm thick 38 db acoustic door having infill of 47mm thick resin bonded glasswool of 24kg/ M3 density coated with FR Acrylic Sealant Sandwiched between two 9 mm thick starpan calcium silicate boards without asbestos, Brucite and Meerscham having a density not more than 1150kg/ M3 and thermal conductivity 0.14 W/M*K faced with 6mm thick commercial ply with heat activated intumescent fire seal strip of size 10mm x 4mm mounted in the grooves having hardwood lipping of size 15mm x 70mm and 1mm thick laminate facing on both sides in desired shade and colour. The rate should also include Red Merrandi Frame 145 x 70mm with Commercial Ply Facing (6mm + 4mm Teak Ply on both sides) at all heights including scaffolding. Complete in all respect & entire satisfaction of the engineer in charge/Architect. (Note:- Contractor to submit Test certificates from manufacturer).	Sqm	13.61		
12	Providing and fixing of Panic Bar Set:- Providing & fixing of Double Leaf Panic Bar set along with Panic Trim for operation from the other side of the Panic Bar Complete in all respect to entire satisfaction of the engineer-in-charge/Architect.	Nos	6.00		
13	Providing and fixing of Ball Bearing Hinges :- Providing & fixing SS Ball Bearing Hinges of size 100 x 75 x 3mm fixed with SS Screws Complete in all respect to the entire satisfaction of the engineer-in-charge/Architect.	Nos	64.00		
14	Providing and fixing of Door Closer: Providing & fixing of Fire Rated Heavy duty door closer complete in all respect to the entire satisfaction of the engineer-in-charge/Architect.	Nos	13.00		
15	Providing and fixing of Door Handle: Providing & fixing 25mm dia & 400mm long brushed steel finish pull handles with long bolt and cap for fixing from outside only complete in all respect to the entire satisfaction of the engineer-in-charge/Architect.	Pair	13.00		
16	Providing & fixing of first class teak wood skirting of size 25 x 100mm to be fixed over existing frame work including polyurethane polish complete as per drawing and to the entire satisfaction of Engineer-in-charge/Architect. Complete in all respect as desired by the Engineer in charge /Architect.	Rmt	258.24		
17	Providing and fixing of built in box type wall cabinet to 750 mm deep 750 high with 100 mm wide skirting recessed by 12 mm as per design duly finished with 1mm steam beach laminate over 19 mm thick BWP commercial ply housing sound and light console as per design complete with all hettich o equivalent hardware locks handles and fittings. The inside of the box shall also be finished with 1mm thick steam beach laminate duly edged with rubber wood. complete with drawer slides ,tray,hardware complete to the satisfaction of Engineer –in-charge.	Sqm	2.25		
18	Providing and fixing of toughened Transperant Glass - 10mm Saint Gobain shall be Installed with Wooden frame work made out of 100 x 50mm thick sal wooden Chowkth. Complete with hardware complete to the satisfaction of Engineer –in- charge.	Sqm	1.57		
19	Providing and fixing of thermal insulation of ceiling/ wall (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183,density 48 kg/ m3, 50 mm thick, with one side aluminium foil fixed to ceiling with metallic cleats/Wire and wire mesh of 12.5mm x 24 gauge wire mesh, for top most ceiling of building.Complete in all respect and to be approved by Architect and his representative.	sqm	303.00		

20	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	467.00		
21	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic compound) content less than 50 grams/ liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.	Sqm	467.00		
22	Supply, Installation, Testing and Commissioning of 2.5mm Pixel Pitch Active Led Video wall size of min (19X11) feet, pixel configuration 3-in-1(1 red,1 green,1 blue), pixel density 160,000 pixels/m2 or better, brightness min 600 nits (cd/m2) or better, inbuilt power & data redundancy, aluminium diecast Cabinet viewing angle 160°H, 160°V, refresh rate >3840 Hz or better, color temperature 3000-10000 K, display colors 14-bit, Minimum pixel resolution of video wall 2304x1344 or better. Video wall should come with OEM wall mounting arrangement & 5% Spare parts	Nos	1		
23	Supply, Installation, Testing and Commissioning of 55"4K (3,840 x 2,160), Direct LED Professional Display with 4K resolution, Native Contrast ratio upto 1100:1, Response time 8ms or better, Peak Brightness 500 cd/m ² or better, 4K , HDCP 2.2 (HDMI), RS232, USB, RJ45, Wi-Fi with In-Built Bluetooth, 10W Speakers Viewing angle 178 degree or better, Including confidence monitor stand with wheels for display.	Nos.	2		
24	Supply, Installation, Testing and Commissioning of 43" 4K (3,840 x 2,160), Direct LED Professional Display with 4K resolution, Native Contrast ratio upto 1100:1, Response time 8ms or better, Peak Brightness 400 cd/m ² or better, 4K ,HDCP 2.2 (HDMI), USB, RJ45, Wi-Fi with In-Built Bluetooth, 10W Speakers Viewing angle 178 degree or better, Including wall mount bracket.	Nos.	1		
25	Supply, Installation, Testing and Commissioning of 4x1 switching Transmitter and Receiver Included USB-C, HDMI 2.0 and USB 2.0 or above ports supporting 4K signal formats (4K UHD @ 60Hz RGB 4:4:4, up to 18 Gbps) at transmitter and 2 x HDMI inputs and HDMI out at receiver, secure control Ethernet interface. USB-C connectivity for 4K video, audio, USB 2.0 gen peripherals, LAN Ethernet, control signals. The device shall have programmable control system. The device should also work as USB Hub and USB Switcher both. Open Control API . In order to achieve the same functionality, multiple same OEM components can be quoted as per asked minimum specifications.	Nos	1		
26	Supply, Installation, Testing and Commissioning of 4x4 matrix with USB 3.1 ports Enables four computers/host to share USB peripheral up to four devices, Supports hot plugging. The device should also work as USB Hub and USB Switcher. In order to achieve the same functionality, multiple components can be quoted as per asked minimum specifications. Along with 4K HDMI to USB Capture Device,	Nos	1		
27	Supply, Installation, Testing and Commissioning of Full 4K HDMI 2.0 HDBT transmitter with RS-232, Bi-directional IR, Ethernet and Bidirectional remote powering; supports 4K UHD @ 60Hz 4:4:4 upto 100meter , up to 18 Gbps, HDCP 2.2., 1 x USB Host and 4 x USB Clients/peripherals.	Nos	6		

28	Supply, Installation, Testing and Commissioning of Full 4K HDMI 2.0 HDBT receiver with RS-232, IR, Ethernet and Bidirectional remote powering; supports 4K UHD @ 60Hz 4:4:4, upto 100 meter & 18 Gbps, HDCP 2.2.	Nos	6		
29	Supply, Installation, Testing and Commissioning of 8 input and 8 output Full 4K HDMI 2.0, HDR 10+, 36-bit per pixel Deep Color and HDCP 2.2 standalone matrix with analog/digital audio ports. 4K@60Hz with 4:4:4 colorspace, 18 Gbit/sec bandwidth. RS-232, Ethernet/USB control options, Advanced EDID Management. LCD, front panel control. multiple control option- Open API Control over IP and Serial, full Web GUI console, and front panel buttons.	Nos	1		
30	Supply, Installation, Testing and Commissioning of USB over Category Cable Extender Local & Remote, for most of the USB 3.2 or better devices, Should provide connectivity for a single USB host like computer, media server, codec, etc. Should Extend USB signals up to 330 ft (100 m) over CAT6a/7 (or better) twisted-pair cable using Rx module at speeds up to 5 Gbps. Should be compatible with Windows®, macOS®, or Linux® operating system and no drivers required.	Nos	2		
31	Supply, Installation, Testing and Commissioning of PTZ Camera, The camera sensor should be 1/2.8-inch. Having high quality HD camera with CMOS Sensor or better, The camera should have an Option of Auto or Manual White Balance, The camera should have a 20x optical zoom or better, The camera should have a standard Video Output and should support ,HDMI/DVI & USB , IP Based so that Camera can be integrated with standard End Points and USB 3.0 or better, The camera should have 58.5 Degree or better field of view. The camera should have a Pan Rotation Angle of Pan: -130° -130°, Tilt: -30°-90° or better, The camera should support 1080p@60fps and Should support upto 50 ft distance. It should have at least 1 RJ-45 Port for IP Camera functions, The camera should have an option VISCA/TCP, VISCA/UDP, PELCO-D, PELCO-P, ONVIF, UVC for communication.	Nos	2		
32	Supply, Installation, Testing and Commissioning of secure, high performance control processor. Having ethernet port of 100/1000 Mbps, auto discovery, full/half duplex, industry-standard TCP/IP stack, DHCP, SSL/ TLS/SSH, IEEE 802.1xX, SNMP, HTTPS. Having minimum Memory SDRAM 512 GB, Flash 8 GB. Minimum Control ports of 4 no's relay port or better, Min 4 no's I/O port or better. 1 x Bidirectional RS-232/ 422/485 port. Minimum 2 x Bidirectional RS-232 ports Should have backnet/network for integration. (internal or by additional hardware), Should be able to control the complete programmed system, from the IT laptop or PC. Should comply to CE, UL, FCC. Power supply and Android/IOS license for control should be included.	Nos	1		
33	Supply, Installation, Testing and Commissioning of 10" Wired LED backlight IPS Touch Panel, Resolution 1920x1200 or better. Should support 5 point multi touch. Brightness: 350 nits (cd/m2). Contrast Ratio >800:1, SDRAM: 3 GB or better, Storage 16 GB eMMC or Flash: 20 GB or better. Should have built-in Speakers, camera and microphone; NFC Read/Write, Proximity Sensor, Ambient Light Sensor. POE enabled, with table top standered accessories. Compliance- UL, CE, CB.	Nos	1		
34	Supply, Installation, Testing and Commissioning of 10-11 inch Multi-Touch (iPad) with IPS technology with Liquid	Nos	1		

	Retina display, Resolution:2388x1668-pixel resolution at 264 pixels per inch (ppi), 600 nits brightness.				
35	Supply, Installation, Testing and Commissioning of 24 port Ethernet switch. Should have minimum 24x 1000Base-T Gigabit Ethernet RJ45 port that provides PoE+. Should have minimum 4x 10 Gigabit Base-X SFP+ ports populated enable use of transceiver modules to connect to a fiber network. Should provide minimum 950W. IGMP Support, LLDP Support.	Nos	1		
36	Supply, Installation, Testing and Commissioning of Wi-Fi Router with Wifi technology- 802.11a Dual Band Gigabit, Wifi Range-Large homes, Number of ethernet ports- (1 WAN and 4 LAN) Gigabit Ethernet ports with auto-sensing technology.	Nos	1		
37	Supply, Installation, Testing and Commissioning of All-in-One Device with 3 Full HD Video Sources Capturing, Mixing, Switching, Recording and Live Streaming device Controller Record and stream simultaneously Produce MP4 media or M4A audio files that are compatible with virtually any media player Min 2 HDMI Inputs and 1x HDMI output, 3 x IP cameras integration capability, Internal/External Storage USB / eSATA upto 1TB, Digital processing 4:2:2, 8-bits per color, Compression H.264/AVC.Fully Integrated with Kaltura, Panopto and Opencast Video Management Systems.	Nos	1		
38	Supply, Installation, Testing and Commissioning of USB-C to USB-C 3 m (9,84 ft) cable. USB Full Featured Type-C for USB 3.1 Gen 1.	Nos	3		
39	Supply, Installation, Testing and Commissioning of 3 m (9,84 ft) Premium High Speed HDMI 2.0b cable.	Nos	24		
40	Supply, Installation, Testing and Commissioning of 15 meter Premium High Speed HDMI 2.0b active cable.	Nos	2		
41	Supply, Installation, Testing and Commissioning of Loudspeakers with Drivers LF 1 x 15" ,1 x 1.4 HF, Frequency range 50 - 19000 Hz, Power capacity programm / peak: 600 / 1600 W , Impedance 8 Ohm , Coverage range (h x v) 75° x 50° HF-horn, rotatable;Sensitivity 1 W / 1 m - 96 dB or better, SPLmax / 1 m / peak 131 dB. wall/ceiling mount brackets shall be included complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	2		
42	Supply, Installation, Testing and Commissioning of Subwoofer with Drivers 1x 18" LF; Fequency range 32 - 160 Hz, Power capacity-programm / peak: 1200 / 4800 W ; Imopedance - 8Ohm, Sensitivity 1 W / 1 m - 96dB Passive ; SPLmax / 1 m / peak 132dB. Complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1		
43	Supply, Installation, Testing and Commissioning of Loudspeakers with Drivers 1 x 5" LF / 1 x 0.7" HF ; Frequency range100 - 20000 Hz; Power capacity programm/peak: 100 / 200 W ; Impedance - 6/8 Ohm; Coverage range (h x v) 100° radial;Sensitivity 1 W / 1 m- 88 dB; SPLmax / 1 m / peak 109 dB wall mount brackets shall be included Complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	3		

44	Supply, Installation, Testing and Commissioning of class D active/passive stage monitor trapezoidal in shape/cone shaped Loudspeakers with Drivers 1 x 8" LF / 1 x 1" HF, Frequency range -70 - 20000 Hz, Power capacity programm / peak: 400 / 800 W , Impedance-8 Ohm Coverage range (h x v) 90° x 60°, Sensitivity 1 W / 1 m - 95 dB ;SPLmax / 1 m / peak -124 dB, Connectors 4 Speakon/2 xlr, in wooden enclosures/Polypropylene/talc composite cabinet, wall mount brackets shall be included if required. If considered Passive, amplifier to be considered along as per approved makes. Complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	2		
45	SITC of Four Channel amplifier with inbuilt DSP, 1250W @2ohm, 1200W @4 ohm; 1200W @8ohm and 2500W @4Ohm and 2400W@8Ohm in bridge mode; Maximum output voltage 140Vpeak, Frequency Response 20Hz-20KHz;S/N Ratio- 108dBA; Maximum Fan Noise - less then 50 dB SPL @ 1M), THD+N < 0.35%, Damping Factor >500@ 20-100Hz; A/D and D/A Converters of 24bit/48KHz; DSP Inbuilt, Crossover Filters -as per OEM, Input Equalizers - as per OEM, all-pass, band-pass, band-stop, hi/lo-pass; Output Equalizer ; Limiters --as per OEM, RMS voltage, RMS current, Peak limiter; Audio signal input, Signal output; With separate input and Output DSP and DANTE, Load Impedance- 2Ω - 16Ω; 70Vrms and 100Vrms;	Nos	1		
46	Supply, Installation, Testing and Commissioning of Four Channel amplifier with inbuilt DSP, 150 W @2ohm , 280W @4 ohm; 280W @8ohm ; 300W @4Ohm and 580W@8Ohm in bridge mode; Frequency Response 20Hz-20KHz;S/N Ratio- >104dBA; Maximum Fan Noise - less then 50 dBA SPL, THD+N < 0.35%; Damping Factor >500@ 20-100Hz; A/D and D/A Converters of 24bit/48KHz; DSP Inbuilt, Crossover Filters - as per OEM;Input Equalizers - as per OEM, all-pass, band-pass, band-stop, hi/lo-pass; RMS voltage, RMS current, Peak limiter; and with speaker presets, Separate input and output with inbuilt DSP , DANTE inputs. Load Impedance- 2Ω - 16Ω; 70Vrms and 100Vrms ;	Nos	1		
47	Supply, Installation, Testing and Commissioning of Digital Wireless Dual Channel Receiver with 2 Handheld Mic & Network connectivity, Type : Dynamic, Audio Frequency Range – 470-937 MHz, 24 bit Digital Audio, Dual Channel Receiver, Dynamic Range - 120 dB or better,Frequency Response : 20 to 20,000 Hz, Polar Pattern : Cardioid,Support upto 96 compatible channels, Switching Bandwidth - 44 MHz or better,Frequency Auto Scan Functionality, Range – 300 ft or more,RF Transmitter Output : 1mW/10 mW, switchable,Frequency and Power Lock out,THD – <0.02%,Latency – 3.2ms,Sensitivity - -97 dBm, Should include 2 rechargeable batteries and charger with 2 slots for Handheld transmitter,Battery Life : 8 hours or more.	Nos	1		
48	Supply, Installation, Testing and Commissioning of Digital Wireless Dual Channel Receiver with 2 Lapel Mic & Network connectivity,Type : Condenser,Audio Frequency Range – 470-937 MHz,24 bit Digital Audio,Dual Channel Receiver,Dynamic Range - 120 dB or better,Frequency Response : 20 to 20,000 Hz, Polar Pattern : Omnidirectional, Support upto 96 compatible channels,Switching Bandwidth - 44 MHz or better, Frequency Auto Scan Functionality,Range – 300 ft or more,RF Transmitter Output : 1mW/10 mW, switchable, Frequency and Power Lock out,THD – <0.02%,	Nos	1		

	Should include 2 rechargeable batteries and charger with 2 slots for Bodypack transmitter, Battery Life : 8 hours or more.				
49	Supply, Installation, Testing and Commissioning of Dual Channel Receiver with 2 Earset Mic & Network connectivity, Type : Condenser, Audio Frequency Range – 470-937 MHz, 24 bit Digital Audio, Dual Channel Receiver, Dynamic Range - 120 dB or better, Frequency Response : 20 to 20,000 Hz, Polar Pattern : Omnidirectional, Support upto 96 compatible channels, Switching Bandwidth - 44 MHz or better, Frequency Auto Scan Functionality, Range – 300 ft or more, RF Transmitter Output : 1mW/10 mW, switchable, Frequency and Power Lock out, THD – <0.02%, Latency – 3.2ms, Sensitivity - 41.0 dB V/Pa, MAX SPL : 107dB, Equivalent Output Noise : 24.9 dB or less, Signal to Noise Ratio : 60.0 dB, Should include 2 rechargeable batteries and charger with 2 slots for Bodypack transmitter, Battery Life : 8 hours or more.	Nos	1		
50	Supply, installation, testing and commissioning of 18" Gooseneck Microphone with Shock Mount and Mute Switch Frequency Response - 50 to 17,000 Hz, Output Impedance (at 1,000 Hz) - Rated at 150 Ohm (180 Ohm actual), Open Circuit Sensitivity (At 1 kHz) - 33.5 dBV (21.1 mV), Maximum SPL (1kHz at 1% THD, 1 kOhm load) – 124.2 dB, Equivalent Output Noise (A-weighted) - 28.0 dB SPL, Signal to Noise Ratio (at 94 dB SPL) - 66.0 dB, Dynamic Range with 1 kOhm load – 96.2 dB, Common Mode Rejection - 45.0 dB minimum, Mute Switch Attenuation - 50.0 dB minimum, Preamplifier Output Clipping Level (1% THD) - -6.0 dBV (0.5 V).	Nos	2		
51	Supply, installation, testing and commissioning of 18" Gooseneck Microphone with Base, Mute Switch Frequency Response - 50 to 17,000 Hz, Output Impedance (at 1,000 Hz) - Rated at 150 Ohm (180 Ohm actual), Open Circuit Sensitivity (At 1 kHz) - 33.5 dBV (21.1 mV), Maximum SPL (1kHz at 1% THD, 1 kOhm load) – 124.2 dB, Equivalent Output Noise (A-weighted) - 28.0 dB SPL, Signal to Noise Ratio (at 94 dB SPL) - 66.0 dB, Dynamic Range with 1 kOhm load – 96.2 dB, Common Mode Rejection - 45.0 dB minimum Mute Switch Attenuation - 50.0 dB minimum, Preamplifier Output Clipping Level (1% THD) - -6.0 dBV (0.5 V).	Nos	6		
52	Supply, Installation, Testing and Commissioning of Antenna Splitter and Power Distribution System for receivers, 4-way active antenna splitter plus cascade port, different frequency versions available, external power supply. RF Frequency Range: 174 to 1805 MHz Gain Input to any output port: -1 to +1 dB with all required cables and accessories as per site requirement.	Nos	1		
53	Supply, installation, testing and commissioning of 100 feet antenna cables, 50 Ohms.	Nos	2		
54	Supply, Installation, Testing and Commissioning of Directional Active antenna RF Frequency Range: 470 - 900 Mhz, Four Position Gain Selector Switch, LED indicators for gain settings, Should include Antenna Amplifier as per site.	Nos	2		
55	Supply, Installation, Testing and Commissioning of Wired Vocal Microphone, Type : Dynamic, Frequency Response : 50 to 15,000 Hz, Polar Pattern : Cardioid, Sensitivity (at 1,000 Hz Open Circuit Voltage) : -54.5 dBV/Pa (1.85 mV) 1 Pa = 94 dB SPL, Impedance : Rated impedance is 150Ω (300Ω actual) for connection to microphone inputs rated low impedance, Polarity : Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3, Case : Dark gray,	Nos	4		

	enamel-painted, die cast metal; matte-finished, silver colored, spherical steel mesh grille, Connector : Three-pin professional audio connector (male XLR type).				
56	Supply, Installation, Testing and Commissioning of 16 in 8 out Analog I/O Digital stagebox as the same OEM and compatible with offered Digital Mixer, complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1		
57	Supply, Installation, Testing and Commissioning of 16 Channel DIGITAL CONSOLE/Digital Audio Mixer with Rack-mountable Digital Mixer for Live, Studio and Installation , 5" colour touchscreen, 16 Mono Inputs (TRS + XLR) , 3 Stereo Inputs (TRS), 4 Stereo FX with dedicated FX Returns , 16 Busses , 12 Mix Outputs (XLR) (LR, Mono Mix 1-4, Stereo Mix 1- 3) , 4 SoftKeys , Extra stereo outputs – AES digital, Alt Out, 2TRK out , Talkback mic input , dSNAKE Cat5 snake for remote audio, 4 Mute Groups , 4 DCA Groups4 Soft Keys, USB . complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1		
58	Supply, Installation, Testing and Commissioning of AEC capable Digital Audio Conferencing Processor with at least 12 AEC Mic/Line inputs & 8 analog outputs, 24 Bit A-D and D-A Convertors or Convergence Rate: 49 dB/s; Sampling Rate : 48 kHz; THD : <0.01% or or better ; Frequency Response 20 Hz - 20 kHz ;Dynamic Range > 108 dB or better; 5 Control Inputs and Outputs; RS-232 and Ethernet Port for third party Control and Monitoring; 48 or more Bidirectional DANTE/Digital Audio Networking ports, Shall include standard Connectivity features like VoIP/digital phone, USB Audio etc. inbuilt DSP features like Conference room Routers, Input Equalizers, Router, Band Pass filter, Output Equalizer, Delay, Limiters, gates, Source selectors etc. complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1		
59	Supply, Installation, Testing and Commissioning of custom Junction/Floor Box for stage with 2 power,2 XLR input, 2 LAN port and other connectors as per site requirement complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos.	12		
60	Supply, Installation, Testing and Commissioning of minimum 2 Core 2.5sq mm Speaker Cable with copper conductors and PVC Jacket complete in all respect with required accesories as desired by Engineer- In- Charge.	mtr.	600		
61	Supply, Installation, Testing and Commissioning of 24 AWG or 0.51 mm x 4 pair or better CAT6A STP cable STP cable complete in all respect with required accesories as desired by Engineer- In- Charge.	mtr.	610		
62	Supply, Installation, Testing and Commissioning of Shielded microphone cable. 2 core + Shield, 18/23 AWG or better complete in all respect with required accesories as desired by Engineer- In- Charge.	mtr.	600		

63	Supply, Installation, Testing and Commissioning of 42 U Equipment Rack, Locakable front glass door, cooling facility, internal wiring, front glass door, heat dessipation fans, movement wheels, power distribution units & equipment shelves as required, fully welded construction for strength. Extra-wide rackrail for cable pass-throughs to facilitate front-to-rear cabling complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos.	1		
64	Supply, Installation, Testing and Commissioning of Smart Wood/Metallic podium approved by client before supply with provision of installing 2 gooseneck microphone, separate drawer for documents, fitted with i7 12 Gen PC (8GB RAM, 500GB SSD, inbuilt Wi-Fi enabled, and licensed Window 10 Professional or better pre loaded with 4 USB port, Licenced microsoft word, antivirus and other required softwares for functioning of auditorium softwares, HDMI port and audio port, fitted with 23" Interactive Pen Touch Monitor (Wacom or Equv) for Live annotation with tilt motorized mechanisum. FHD / UHD Resolution. Brightness: 250 cd/m2, contrast ratio: 1000:1 or better. Viewing angle : 178°(v) 178°(h) or better. Input: 1x HDMI. USB Interface. To be supplied with complete accessories wireless keyboard and wireless mouse with required capacity UPS complete in all respect with required accesories as desired by Engineer- In- Charge. Podium design with logo has to be approved by EIC before supply.	Nos.	1		
65	Supply, Installation, Testing and Commissioning of Microprocessor Based 1-loop, True Peer-to-Peer Networkable Addressable Fire Alarm Control Panel with minimum 600 characters LCD display, 4000 event plus 1000 alarm log history events, QWERTY keypad for programming. The panel should be equipped with sufficient numbers of loops considering 20% spare capacity in each loop. Each loop shall have a capacity of minimum 300 analog addressable devices. The panel shall work in degrade mode in case of CPU failure, Products not having this feature may offer Redundant CPU. Four access levels, flash EPROM, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and 30 mins in alarm condition. The panel shall be complete 2 ways Communication Fire Fighters System capable of supervising all the speaker circuits with adequate zone control and accessories. Failure of Fire Panel CPU shall not result in failure of DVC operation. The Fire Fighters Telephone System shall be capable of having minimum 30 Telephones in conference in multiple FFT Risers. Designed to meet UL864, 10th Edition and FM complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos	1		
66	Supply, Installation, Testing and Commissioning of Addressable Multi-criteria Photo-Thermal Detector with sensitivity range of 0.5 to 4.0% obs/ft.The intelligent multi criteria detection device shall include the ability to combine the signal of the thermal sensor with the signal of the photoelectric signal in an effort to react hastily in the event of a fire situation. It shall also include the inherent ability to distinguish between a fire condition and a false alarm condition by examining the characteristics of the thermal and smoke sensing chambers and comparing them to a database of actual fire and deceptive phenomena. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall	Nos.	3		

	be with user friendly rotary decimal switches. Designed to meet UL268, 7th Edition. FM Approved.				
67	Supply, Installation, Testing and Commissioning of Addressable Beam Detector. The beam detector shall be used for High Ceiling application with a detection range upto 100 mtrs having 4 manual & 2 auto sensitivity settings. The beam detector shall be True addressable installed on the SLC circuite & communicate directly with the panel without any interface module.	Nos.	1		
68	Supply, Installation, Testing and Commissioning of Addressable Manual Call Point (Pull down / Break Glass Type). The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device.	Nos.	2		
69	Supply, Installation, Testing and Commissioning of Addressable Control Module for Sounders / Strobes / Sounder cum Strobes. The control module shall provide supervised NAC output rated at 24v DC, 2A. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Addressing shall be with user friendly rotary decimal switches. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	Nos.	2		
70	Supply, Installation, Testing and Commissioning of Addressable Relay Module for AHU, Access Control, Lifts, Staircase Pressurization, Fire Suppression & other Third Party Outputs. The relay module shall provide contact rated at 24v DC, 2A. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Addressing shall be with user friendly rotary decimal switches. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	Nos.	1		
71	Supply, Installation, Testing and Commissioning of Addressable Monitor Module for Sprinklers, Panic Bars & other Third Party Inputs. The monitor module shall monitor potential free contacts. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the heath status of the device. Addressing shall be with user friendly rotary decimal switches. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance.	Nos.	1		
72	Supply, Installation, Testing and Commissioning of Sounder cum Strobe rated at 80 dBA @ 3m for Audible annunciation and 115cd flashintg at 1 Hz for visual indication. UL Listed complete in all respect with required accesories as desired by Engineer- In- Charge.	Nos.	2		
73	Supply, Installation, Testing and Commissioning of 2 CORE X 1.5 Sq mm multi stranded twisted unshielded FRLS Copper cable complete in all respect with required accesories as desired by Engineer- In- Charge.	Rmt.	100		

74	Supply, Installation, Testing and Commissioning of LED Par Lights with Lamp : 3 Watt x 54 RGBW and with channel : 6 or more DMX; Power consumption : 110 W or better, 240volt. Housing CRC sheet, Color Black, Function: strobe, dimming, sound active and Master slave. Focusing Front/Back/Rotary Knob, 2 mtr. 3 core wire , plug top. Complete in all respect and to be approved by Architect and his representative.	Nos.	16		
75	Supply, Installation, Testing and Commissioning of LED profile light Lamp with 200 Watt or better; 2 or better DMX channel protection grade over heating & high voltage. • Focus : Manual Focus e Beam Angle : 19° Control : DMX, Autorun and Master/Slave Shutter arrangements : Beam shapping shutter. Complete in all respect and to be approved by Architect and his representative.	Nos.	4		
76	Supply, Installation, Testing and Commissioning of LED Fersnal light with Lamp : High quality 180W LED Fresnel light used as a Key light, Back light, Fill light with dimming, spot & flood focus versions for creating various effects for multiple applications with specifications as below. Lamp power - 180W COB LED Power SITC - 100-240 AC, 50/60 Hz Power cable - 3 core 1 sq. mm. copper PVC insulated Color Temperature: 3200K Control : DMX512 / Manual Spot - Flood focus adjustment. Complete in all respect and to be approved by Architect and his representative.	Nos.	6		
77	Supply, Installation, Testing and Commissioning of LED Flasher Bar with power consumption of 100 W or better; Lamp : 18 RGBW 10 Watt, Channel : 7 DMX; Control : DMX, Housing CRC sheet metal Holder 2 Nost, 2 mtr 3 core copper wire 3 pin plug top. Complete in all respect and to be approved by Architect and his representative.	Nos.	6		
78	Supply, Installation, Testing and Commissioning of 300W LED Moving Head Light used as a Special Effect Light by Integrating three features - Beam, Spot, & Wash effect with high- contrast gobo projection etc., for entertainment lighting. with below specifications: - Source : 1 x 300W LED e Power SITC : 100 - 240v AC, 50 - 60Hz. Operation Modes : DMX512, Master / Slave, Sound active. e Beam Angle : 1°/3°/6.5° (with beam reducer), 2°/6°/13°/20° (with zoom lens), Spot Angle : Fix Gobo: 9°-18°, Rotating Gobo: 7.5°-+13° (with zoom lens) , Wash Angle : 12°~23° e Pan/Tilt Angle : 540°/ 240° (16 bit) DMX Channels : 16/19 channel e Color Wheel : 7 fixed colors plus white with rainbow effect Gobo Wheel : 1 static gobo wheel with 9 fixed gobos plus open and 1 rotating gobo wheel with 7 gobos plus open e Prism : 6 facet prism, rotation in both dirct.Complete in all respect and to be approved by Architect and his representative.	Nos.	2		
79	Supply, Installation, Testing and Commissioning of High quality LED PARCAN Light used for dance hall, architectural and stage lighting with below specifications: Lamp power - 100W LED Power SITC - 100-240 AC, 50/60 Hz Channels: 2 channel DMX 512 Control: Manual, DMX Color Temperature: 3000K CRI > 90 Function: Dimming, Strobe Dimming: 0-100% Beam Angle - 9/15/20° Protection rating - IP20. Complete in all respect and to be approved by Architect and his representative.	Nos.	12		
80	Supply, Installation, Testing and Commissioning of "C" clamp with safety locking chain, duly powder coated in black matt texture finish. Complete in all respect and to be approved by Architect and his representative.	Nos.	46		

81	Supply, Installation, Testing and Commissioning of Light controller with 20 or more channel Double Preset/40 or more channels Single preset(WIDE);with 2 or more output channels,48 registers or better (assignable with scene memories or chase)+24 registers or better for the immediate modification of the channels,12 pages or more of registers (total 288 scene memories),24 or more programmable chase (level or on/off) with chase level independent. Complete in all respect and to be approved by Architect and his representative.	Nos.	1		
82	Supply, Installation, Testing and Commissioning of DMX Data Splitter: 1 x IN and 12 x Out or more DMX-512 Data Splitter, suitable both for Dimmer & Intelligent Lights, complete in all respect and to be approved by Architect and his representative.	Nos.	2		
83	Supply, Installation, Testing and Commissioning of Follow spot light 1250 watt long double ended color temperature : 6000K DMX channels : 4 channels dimmer/flash: dual patches dimming,1-10 flashes/s,speed adjustable, iris: linear zoom in & zoom out, color wheel: 5 colors+ white/with rainbow effect, speed adjustable, color temperature wheel: 2 color temperature rectify filters. Complete in all respect as desired by the Engineer in charge of work at site.	Nos.	1		
84	Supply, Installation, Testing and Commissioning of 2 core shielded DMX control cable for lighting. Complete in all respect and to be approved by Architect and his representative.	Mtr	300		
85	Supply, Installation, Testing and Commissioning of Inter connection XLR Box- DMX Data patch cables, using 2-core Cu.Cond.Lap sheilding, suitable for RS485 / DMX data ; for interlinking Intelligent Lighting Fixtures & Dimmer(s) to DMX Splitter(s) & to control desk - to be laid in PVC conduits (to be terminated with supplied XLR connectors). Complete in all respect and to be approved by Architect and his representative.	Nos.	30		
86	Supply, Installation, Testing and Commissioning of 2.5sqmm x 3 core cable (Incoil/National),Complete in all respect and to be approved by Architect and his representative.	Mtr	300		
87	Supply, Installation, Testing and Commissioning of Socket box 4'x4' with Power junction BOX multi socket lor lighting power. Complete in all respect and to be approved by Architect and his representative.	Nos.	30		
88	Supply, Installation, Testing and Commissioning of Side Light Ladder of 25mm x 50mm M.S.tube size (6'x2').Complete in all respect and to be approved by Architect and his representative. Make: New Stage Craft / Modern Luminaires / Canra.	Nos.	4		
89	Supply, Installation, Testing and Commissioning of Stage suspension Grid: Providing & fixing MS suspension grid system over stage for hanging stage services made of 2 nos 40x40x5mm MS angles welded back to back with 50x12x12mm thk studs as MS spacers sandwiched between the MS angles so as to maintain 12mm gap between MS angles, the welded angles to be placed @ 1200mm c/c in one direction and 40x5mm thick MS Tee @ 600mm c/c in other direction. The MS grid to be suspended from the roof structure by means of MS flat suspender of 50x6mm thick MS flats @ 1200mm c/c in both directions. All MS members to be painted with a coat of red oxide primer & 2 or more coats of black	KG	2500		

	enamel paint. All complete as per Architect or Architect's representative.				
90	Supply, Installation, Testing and Commissioning of B class 50 mm dia M.S. pipe painted black hanged from the grid by means of MS flat to act as lighting bars. etc. complete as reqd. Complete in all respect and to be approved by Architect and his representative.	Mtr	40		
91	Supply, Installation, Testing and Commissioning of Main curtain made out of Velvet curtain (480 to 500 gram in 1 mtr) cloth with horizontal sliding arrangement complete with fixing railing track,fixing brackets,runner,master runner,3mm rope wire,1HP Crompton Motor,drum with groove cutting,pulleys,2 No air breaker switch (L&T,Siemens,GE make) for reverse & forward, 2 No air micro switch for auto stop,3 No push button for Open/Stop/Close position the curtain should be dropped to half area,when in closed position and minimum overlap at the centre should be 900mm and curtain should be stitched in double gathering.Complete in all respect and to be approved by Architect and his representative.	Sq Mtr	73.14		
92	Supply, Installation, Testing and Commissioning of back curtain made out of glazed cotton cloth with horizontal sliding arrangement complete with fixing railing track,fixing bracket,runner,master runner,3mm rope wire,1HP Crompton Motor,drum with groove cutting,pulleys,2 No air bracker switch(L&T,Siemens,GE make) for reverce & forward,02 No.air microswitch for auto stop,3 No push button for Open/Stop/Close position the curtain should be dropped to half area,when inclosed position and minimum overlap at the centre should be 900mm and curtain should be stitched in One & half gathering. Complete in all respect and to be approved by Architect and his representative.	Sq Mtr	73.14		
93	Supply, Installation, Testing and Commissioning of Stage Curtain control box well designed and engineered Wall mount 6 feeder motor control centre panel & Remote control panel with emergency trip & necessary meterings and contactors and relays to control the motors system for curtains.(MCCP/RCP -6). Complete in all respect and to be approved by Architect and his representative.	Nos.	1		
94	Supply, Installation, Testing and Commissioning of WINGS at Stage with fire retardant crape black fabric (weight not less than 290 gms/sqm of Make:Capital/ RSWM/Banswar Syntax) fixed complete on 50x 25(1.6 mm thick) MS tube framework @ 1200 (V) x600 (H) c/c backed with 6mm ply & 12mm U foam below the fabric. The rear side of the wing to have 6mm ply. The ply to be given 2 coats of black enamel paint after jointing fisnishing as per the manufacturers recomendations. The wing to be mounted with central pivot mechanism for 180 degree rotational movement at top & bottom.Size 1.2 mtr (w) x 9.52 mtr (h) approx. The work shall be executed as per drawings ,specifications & instructions of Architect or Architect's representative.	Nos.	4		

95	Supply, Installation, Testing and Commissioning of the Border frills out of Fire retardant Crape black colour (weight not less than 290 gms per mtr Make Comrade/ RSWM/Banswar Syntax)) fabric in 1:2 gathers & accessories like cotton dori eyelets of brass complete with 25mm dia medium grade GI pipe painted black suitably hung from the ceiling complete of size 1mtr x 11.5mtr approx . The work shall be executed as per drawings ,specifications & instructions of engineer in charge. Complete in all respect and to be approved by Architect and his representative.	Nos.	4		
96	Supply, Installation, Testing and Commissioning of the cyclorama for the stage by fixing 35x35x5mm MS angle on the wall with MS angle hold fasts secured to the walls & 40mm dia 14G MS pipe welded to it as per the drgs. Further 40mm dia pipe welded to it at 600 centres vertically at an angle of 45 deg. & finally welding 40 mm dia pipe horizontally to it. The pipe to be supported away at 200mm centers by MS pipe. Further welding to it 12mm dia MS hooks welded both (top ,bottom & sides). The cycloram frame to be supported by MS angle hold fasts of 35x35x5mm on the wall at 1200mm centers. Finally fixing PVC perforated screen, cyclorama cloth as per approved sample & fixing by cotton dori 10mm thick 12mm Comercial ply fixed back cylorama frame for saving Fabric till 8 feet complete.The work shall be executed as per drawings ,specifications & instructions of engineer in charge. Complete in all respect and to be approved by Architect and his representative.	Mtr	47.56		
97	Supply, Installation, Testing and Commissioning of motorised winch operated bars of 300 Kg capacity, Bars are suspended using steel wire rope guided through 1,2,3 and 4 set of divertor Pullies and supported at every 3-4 mtr. The Existing GI pipe for Light and Set bars are then welded to the Winch bar. The Light Bar winches should have necessary Cable Retracting arrangement to be collected in cable basket fixed on the Motorised Bar. Complete in all respect and to be approved by Architect and his representative. Make : New Stage Craft / Modern Luminaires / Canra.	Each	3		
98	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including modular plate etc. as required. connections but excluding				
	5/6 A switch	Nos.	40		
	3 pin 5/6 A socket outlet	Nos.	40		
	15/16 A switch	Nos.	30		
	6 pin 15/16 A socket outlet	Nos.	30		
99	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
	3 Module (100mmX75mm)	Nos.	20		
	6 Module (200mmX75mm)	Nos.	22		
	12 Module (200mmX150mm)	Nos.	3		
100	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2 X 1.5 sq. mm + 1X 1.5 sq. mm earth wire	Rmtr	3500		
	2 X 2.5 sq. mm + 1X 2.5 sq. mm earth wire	Rmtr	4500		
	2 X 4 sq. mm + 1X 4 sq. mm earth wire	Rmtr	900		
	2 X 6 sq. mm + 1X 6 sq. mm earth wire	Rmtr	600		

101	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	8 way , Double door	Nos.	2		
	12 way , Double door	Nos.	2		
	16 way, Double door	Nos.	1		
102	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	6 way (6 + 18), Double door	Nos.	1		
103	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	Single pole	Nos.	40		
104	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	40A	Nos.	2		
	63A	Nos.	4		
	100A	Nos.	1		
105	fixing following rating, four pole, (three phase Supplying and and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	63 A	Nos.	4		
106	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
	25mm	Rmtr	304		
	32mm	Rmtr	152		
107	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.				
	150 mm width X 50 mm depth X 1.6 mm thickness	Rmtr	120		
	300 mm width X 50 mm depth X 1.6 mm thickness	Rmtr	60		
108	Supplying and installing following size of perforated painted with powder coating M.S. cable trays bends with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.				
	150 mm width X 50 mm depth X 1.6 mm thickness	Nos.	6		
	300 mm width X 50 mm depth X 1.6 mm thickness	Nos.	2		

109	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Tee with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.				
	150 mm width X 50 mm depth X 1.6 mm thickness	Nos.	2		
	300 mm width X 50 mm depth X 1.6 mm thickness	Nos.	2		
110	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Cross Member with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required				
	150 mm width X 50 mm depth X 1.6 mm thickness	Nos.	1		
	300 mm width X 50 mm depth X 1.6 mm thickness	Nos.	1		
111	Supply, Installation, Testing and Commissioning of COB based recessed downlight luminaire Zena 114 with system power: 12 W, Luminous flux of luminaire 1200 lm, Colour temperature of 4000 K, Neutral white, SDCM 3, CRI > 80, 230 V constant current driver, 70% of luminous flux after 50,000 operating hours; Energy efficient LEDs, Direct light emission, Luminaire housing in aluminium, Polyester powder white coloured coat applied over a 5- stage pre-treatment, Clear glass cover, beam angle of 38°, ZHLS (ZERO HALOGEN LOW SMOKE) wiring, External electronic control gear, Protection class II, IP 40, Ø = 114mm, DA(Ø) = 108mm, H = 110mm.	Nos.	18		
112	Supply, Installation, Testing and Commissioning of LED recessed luminaire with LED (Light Emitting Diode) system power: 25W, the colour temperature of 4000K, neutral white, 230V constant current driver, 70% of luminous flux after 50,000 operating hours, energy-efficient LEDs, CRI>80, the luminous flux of 3500 lm, Electronic control driver, direct light emission, Sheet Metal frame, polyester white powder coat applied over a 5-stage pre-treatment, opal diffuser for glare-free uniform light. Protection class I, IP40, MacAdam 3, T.H.D≤ 10%, driver efficiency ≥ 88%, surge protection of 2.5kV, L = 595mm, B = 595mm, H = 70mm.	Nos	25		
113	Supply, Installation, Testing and Commissioning of LED Strip light 25W of power and equipped with 60 high-quality LEDs including drivers.	Rmtr	86		
114	Providing and fixing of Step Lighting Voltage 240 V Color White, Grey, Black Base White, Poly Carbonate, FR Grade,UV stabilized Material grade Poly Carbonate Uv stabilized & Fr grade. complete to the satisfaction of Engineer –in-charge.	Nos	48		
115	Providing and fixing of LED Exit signage Voltage 240 V and battery backup Poly Carbonate, FR Grade,UV stabilized Material grade Poly Carbonate Uv stabilized & Fr grade. complete to the satisfaction of Engineer –in-charge.	Nos	6		
116	Providing & making table (3200x600x750 mm) , Structure in 19mm Ply (BWR GRADE), Finished with 1MM thick laminate(merino), inside finished with 0.8MM thick laminate(Merino) ,including necessary hole, complete with Drawers,channels,lock & hardware(Hafele) etc. as per Design , drawing.(Audio Vedio room).	No	1		
117	Providing and fixing Low back chair of approved make/approved (Green Room)	Nos	4		

118	Providing visitor/Staff chair of approved make/approved (AV Room)	Nos	2		
119	Providing and fixing 6mm thick mirror fixed over 12mm BWP grade ply fixed to wall and surrounded with steam beech wood moulding including polishing etc. complete as per design and drawing and directions of Architect or Architect's representative.. (Green Room and Toilets)	Sqm	13.2		
120	Laminated Finish Open Shelves 475mm Deep : Providing and fixing low height open Shelves as per details. Top, bottom to be made out of 19-mm comm. block board (Century) with Approved pvc edge banding tape(make Rehau) match with laminate color. Back to be provided of 8-mm thick commercial ply(century).All shelves to be adjustable and made of 19 mm thick commercial board(century) .The sides of the storage to be made of 19mm thick commercial board(century). All shelves to be adjustable and made of 19 mm thick commercial board.fixed on all sides and inside surface to be finished 0.8 mm thick white laminate(Merino).Complete with all necessary fittings approved make(hafele) and size as per directions of Architect or Architect's representative.. (Green Room) .	Sqm	5.04		
121	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 meters lead :	Sqm	13.61		
122	Dismantling wood work in frames, trusses, purlins and rafters upto 10 meters span and 5 meters height including stacking the material within 50 meters lead :	Sqm	110		
123	Dismantling aluminum / Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	Sqm	667		
124	Carriage of unserviceable materials by mechanical transport including loading, unloading and stacking up to 15kms	Cum	20		
125	Providing and fixing of Paper Mache art work each layer of paper, delicately molded and shaped, reflects hours of patient dedication, resulting in a piece that feels both fragile and enduring. The intricate textures capture the essence of organic forms, inviting a closer look to appreciate the fine detailing. Its soft, muted colors, paired with subtle variations in shape as approved by client & consultant before start the work.Common themes like flowers, box patterns, jungle motifs, Kashmiri symbols like almonds, the chinara leaf or any other as selected by the bank	Sqm	23.48		
126	Repairing of existing auditorium chairs : (1) Removing and refixing after Change in upholstery of all seats as per fabric selected by the bank. (2) Arm rest cushioning with repairs and new glass holders of the seats . (3)Expansion fasteners replacement wherever required (4)Front row be kept for VIP Chairs .	Nos	202		
				Total	
				GST @ 18%	
				Grand Total including GST	