



Jamia Millia Islamia University

Tender Document for Renovation and Renewing of Dr. MA Ansari Auditorium at
MMA Jauhar Marg, Jamia Millia Islamia, Jamia Nagar, Okhla, New Delhi, Delhi 110025.

PART – I: TECHNICAL BID

Notice Inviting Tender No.: JMI/PICO/NIT-35/ReAuditorium/2020-21-II

Dated: 18.06.2021

Cost of Tender Document: Rs.1000.00 (One thousand) (Non Refundable) Last Date & Time
of Submission: upto 09.07.2021 at 04:00 pm

Name of Bidder : M/S.

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Dated : _____

JAMIA MILLIA ISLAMIA UNIVERSITY**NEW DELHI**

JMI/PICO/NIT-35/ReAuditorium/2020-21-II

Date : 18.06.2021

NOTICE INVITING TENDER

The Registrar Jamia Millia Islamia University, New Delhi, invites sealed Item Rate tenders under **Two part Bid System** containing Part-I (Technical Bid) & Part-II (Financial Bid) from the Govt. approved and eligible contractors of the Jamia Millia Islamia University, New Delhi and other bonafide agencies meeting the minimum qualification criteria for the following work:

Sl. No	Name of work	Estimated Amount (Rs.)	Earnest Money Deposit (Rs.)	Time for Completion	Last date & Time for online submission of bids	Date/Time for opening of Technical bid
1	Renovation and renewing of Dr. M A Ansari Auditorium at Jamia Millia Islamia University.	1,56,69,575.00	3,92,000/-	75 Days	09.07.2021 04: 00 PM	09.07.2021 05:00 PM

Cost of Tender Paper Rs.1000.00,(One thousand only) NON REFUNDABLE (in the form of DD only) in favour of Registrar J.M.I University, payable at New Delhi (validity of DD should be at least 03 months) is to be submitted along with the EMD. Tender without 'Cost of Tender Document' will be summarily rejected.

The Earnest Money should be deposited in the form of DD only in favor of Registrar Jamia Millia Islamia University, payable at New Delhi. Tender without 'Earnest Money Deposit' will be summarily rejected.

Brief Scope of Work

The work comprises of –

1. Auditorium Chairs
2. Acoustic Work
3. False Ceiling work
4. Electrical Audio/Video work
5. Sound System
6. Civil, Electrical work

Eligibility Criteria

Contractors who fulfill the following requirements shall be considered as eligible bidder.

Agencies should have satisfactorily completed the similar interior works of Auditorium as mentioned below during the last 03 (Three) years ending last day of the February,2021 :

- i) Three (03) similar works each costing not less than 40% of estimated cost, or
- ii) Two (02) similar works each costing not less than 60% of estimated cost, or
- iii) One (01) similar work costing not less than 80% of estimated cost,

executed under Central/State Government Department / Central/State Autonomous Body / Central/State Public Sector Undertaking. **Similar work shall mean: Repair & Renovation of Interior of Auditorium.**

Completion certificate issued by Competent Authority will only be considered as credential. If the Completion certificate issued by Competent Authority does not reflect the type of work, The tender document (consisting of specifications, the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents) can be downloaded from

The University shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever. In case of any discrepancy between the tender documents downloaded from internet and the master copy available in this office, the later shall prevail and will be binding on the tender(s). No claim on this account will be entertained.

Bid should be valid for 60 days from the due date. The Registrar J.M.I University reserves the right to reject any tender without assigning any reason thereof.

JAMIA MILLIA ISLAMIA UNIVERSITY, NEW DELHI

Tender Document for Renovation and renewing of M.A Ansari Auditorium at Jamia Millia Islamia University at New Delhi.

INSTRUCTIONS TO THE BIDDER

1. Attention of the tenderer is directed to the conditions of tender and general conditions of contract of JMI University. Bidders who are not aware of the “General Conditions of Contract” of JMI University are instructed to collect the same from New Delhi and read the terms & conditions before submission of the tender. The tenderer shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract. All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the Institute accepts no liability whatsoever therefore. Failure by the tenderer to have done all the things, which in accordance with his condition he is deemed to have done shall not relieve the successful tenderer of the responsibility for satisfactory completion of the work as required. If there is any clarification required, the tenderer shall submit the queries in writing 03 (Three) days before the last date & time of submission of the tender, to Jamia Millia Islamia University, New Delhi. Access to the site will be granted, if necessary, to the tendered by prior permission of the Engineer-in-charge/ Architect.
2. The time for completion of work is **75 (Seventy five Days)** & will be reckoned from the 7th day from the date of issue of Work Order or handing over of site, whichever is earlier.
3. EMD of requisite amount as mentioned in NIT/Corrigenda in favor of Registrar, Jamia Millia Islamia University in the form of **Demand Draft** only from any **Nationalized Bank** payable at **New Delhi** should be enclosed within the **Technical Bid**. Validity of DD should be at least 90 days from date of publication of NIT. Any tender received without requisite Earnest Money in the form as mentioned above shall be summarily rejected and treated as cancelled. The Earnest Money received shall be refunded to the unsuccessful bidders without any interest within ninety days of the opening of Tender. The Earnest Money Deposit (EMD) of successful tenderer shall be retained and converted as part of Security Deposit.
4. Earnest Money Deposit (EMD) will be forfeited in the following cases -
 - a. If the tenderer withdraws / modifies his tender during the period of Bid Validity.
 - b. If the tenderer does not accept the correction of arithmetical errors of his tender.
 - c. If the tenderer after award of work, does not start the work within the stipulated time period as per Letter of Acceptance / Work Order.

The bidders must have experience for Acoustic Work, Electrical & Audio/Video and must have its own workshop for manufacturing of Auditorium Chairs and Stage Lights and also in house arrangement for designing sound & Acoustic system individually in line with Eligibility Criteria mentioned above as the responsibility of sound and Acoustic system is entirely of the contractor.

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Tender Document for Renovation and renewing of M.A Ansari Auditorium at JMI University, New Delhi.

5. Submission of Bid

The bids shall be submitted in **Two Parts** Online in Excel format.

I. **Complete Technical Bid** will comprise of :

- i) EMD of requisite amount in the form of DD only in favor of Registrar, Jamia Millia Islamia University payable at New Delhi. Bid without EMD would be summarily rejected.
- ii) Credential documents fulfilling the minimum eligibility criteria as per NIT, i.e., Experience Certificates for completion of similar type of job within last three years.
- iii) Original Tender Document – Part-I: Technical Bid. (Stamped & Signed in all pages)
- iv) Statutory registration documents like PAN, IT Return of last 3 years, GST Registration Certificate and Return etc.

II. **Complete Financial Bid** will comprise of :

- i) Duly filled-up **Form of Tender** as an acceptance to the terms and conditions set in the tender.
- ii) Duly filled-up **Schedule of Quantities**.

Both the bids should be duly filled with **NIT Number, Name of work and Technical Bid / Financial Bid** as the case may be uploaded online on MHRD Portal. Cost of Tender is Rs.1000.00,(One thousand only) NON REFUNDABLE (in the form of DD only) in favor of Registrar, Jamia Millia Islamia University, payable at New Delhi (validity of DD should be at least 03 months) to be submitted. E-tender without 'Cost of Tender Document' will be treated as cancelled.

(Price bid and Technical Bid to be download and uploaded in the prescribed Excel Format available on the system only)

6. All Rates, Prices, Amounts and Sums quoted by the bidder shall be in Indian currency only. The language used throughout shall be English.
7. All Rates, Amounts & Sums shall have to be filled both in figures and words in excel sheet. If the rate quoted in words does not tally with the rate quoted in figures then the rate which corresponds to the lesser amount shall be considered.
8. Any overwriting / correction / applying correction fluid shall be avoided and in case any correction is made the same must be initialized and stamped.
9. Tender must be submitted with the rates for all the items of work involved and any incomplete tender will not be considered. The items for which the rates are not quoted will be considered as '**Zero**' & the agency shall complete that item of work without any claim.
10. No alteration shall be made by the tenderer in the tender and no conditional tender will be entertained. Tender with split rate will not be considered.
11. The bid shall remain valid for a period of **60 days** from the date of opening of the bid. If before expiry of the validity period or issue of work order, whichever is earlier, the bidder amends / modifies / withdraws his bid, making unacceptable to the University, then the Earnest Money Deposit shall be liable to forfeiture at the option of the University.
12. The Rates quoted by the tenderer should be inclusive of all taxes & duties, freight, cost for loading & unloading etc. and must hold good till the completion of work and shall not be subjected to escalation due to increase in local market rates of materials and labor. No claim on this account what so ever shall be entertained at any stage including the extended period, if any.
13. The tenderer shall have to submit copies of valid PAN, Income tax, Sales Tax / VAT / GST & other statutory tax clearance Certificates along with the tender. The original copies of these Certificates will have to be produced when demanded for verification.

14. Each page of the bid document shall have to be signed and stamped by the Bidder / Authorized Signatory before submission. The bidders have to submit the tender documents and correspondences accompanying the tender with proper sign and stamp on each page along with the bid. The person / officer signing the tender / bid should be delegated with an appropriate **Power of Attorney (duly endorsed by a Notary Public)** by the **Owner / Proprietor / Partner / CEO / MD / Director** of the company to sign such documents.
15. The Intending bidders will have to produce documentary evidence in original in support of their credentials before the competent authority whenever demanded for verification. If any information furnished by the bidder is found as false / fabricated then his bid will be rejected and treated as cancelled, even if the same is detected at any stage after signing of the contract and would lead to termination of the contract besides forfeiture of Earnest Money Deposit (EMD) and liabilities towards prosecution under appropriate law. In such cases the bidder / tenderer will be debarred from participation in future tendering process for next 03 (Three) years.
16. Should there be any doubt or obscurity as to the meaning of any of the tender documents or if any further information is required, the tenderer must address his enquiry in writing in duplicate to, Jamia Millia Islamia University, New Delhi. Such enquiries must be submitted not later than **03 (Three)** working days before the last date fixed for submission of the tenders.
17. The Technical Bid of tender will be opened online only.
18. The Price Bid of tender will be opened online only.
19. The Registrar of University reserves the right to accept or reject any or all the offer including the lowest without assigning any reason. The University does not bind itself to accept the lowest offer.
20. The successful tenderer, shall deposit an amount equal to 5% of the tendered and accepted value of the work as performance guarantee in the form of Demand Draft of a Scheduled Bank in favor of Registrar, Jamia Millia Islamia University payable at New Delhi. The time allowed for submission of the performance guarantee shall be 15 days of receiving "Letter of Acceptance" (LOA). This period can be further extended as the written request of the contractor by the for a maximum period ranging from 1 to 15 days with a late fee @ 1.00% per day of Performance Guarantee Amount. If the bidder still fails to deposit the performance guarantee within the extended time period, i.e. within 16th day to 30th day from the issue of letter of acceptance (LOA), his bid will be rejected and treated as cancelled and the entire Earnest Money Deposit shall be forfeited. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the Contractor, without any interest.
21. Standard University payment procedure shall be followed. A sum @ 5% of the gross amount of the bill shall be deducted as Security Deposit from the bill of the contractor. However, Earnest Money shall be adjusted first in the Security Deposit and the rest amount to complete a sum of 5% of gross bill value will be deducted from the contractor's bill. The security deposit of the Contractor shall not be refunded before the expiry of defect liability period of one year after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

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ADDITIONAL CONDITIONS OF CONTRACT

1. The quantities indicated are approximate and may vary at the time of execution. The University will exercise absolute discretion for operating all or some items of the schedule.
2. Contractor has to remove all the debris from the site of execution and dispose them at suitable places shown by the Engineer or his authorized representative at site.
3. All temporary arrangements, staging, working platforms etc. is to be provided by the tenderer at his own expense to the satisfaction of the Engineer-in-Charge. The University will not however, be liable to pay any compensation due to accident, injury to the contractor's work men or any account whatsoever.
4. The contractor will have to maintain the work for **12** calendar months from the certified date of its completion.
5. The splashes of paints over doors, windows and floor shall be cleaned thoroughly after execution of the work.
6. Irrespective of rates quoted by the bidder, the contractor shall be solely responsible for payment of *Minimum Wages* as stipulated by the Government from time to time and indemnity the University against any non-payment to the labour.
7. The Contractor shall also submit samples (at site Dr. M. A. Ansari Auditorium) along with the Submission of tenders of the following as this is an essential part of the Conditions of Contract. The financial bid of the Contractors whose samples are not approved will not be opened.
 - i) Auditorium Chair with Sample of Cloth.
 - ii) Sample of Fabric Acoustic Panel with Specification.
 - iii) Brochure of Projector.
 - iv) Sample of curtain Cloth.
 - v) Brochure of Sound System including console.
 - vi) Acoustic Tiles
 - vii) Carpet
8. Terms of Payment
Mobilization Advance:
 - i) 35% against bank guarantee to be adjusted in the 1st three bills.
 - ii) 70% of non-perishable material brought at site.
 - iii) 5% security Retention money will be released after one year from the date of Completion. The period will be consider as defects liability Period.
9. The payment shall be made on actual measurement basis of individual items.
10. All allied job like Civil, Carpentry, Electrical connected with the items of work shall be the part of respective items.
11. The contractor will be supplied Electricity & water free of charge for the work at one point at site.
12. All wood work/other relevant material shall be treated with Anti-termite treatment.
13. Penalty of Rs.15000/- per day will be levied on the contractor if the work is not completed within the stipulated time.
14. The contractor can work up to 11 PM provided no disturbance is created to the adjoining occupants.
15. The work is to be carried out for all heights. No extra shall be paid for any centering or staging work.
16. All Dismantled usable material will be stacked at site.

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at Jamia Millia Islamia University at New Delhi.

FORM OF TENDER

(To be filled by the Tenderer with sign & stamp and submitted within the Financial Bid envelope)

To
The Registrar
Jamia Millia Islamia University
New Delhi

I/We, _____ Son/Daughter of Sri _____
Proprietor/Partner/CEO/MD/Director of M/s. _____
of (Address) _____

having examined the site of works, carefully read and understood the Specifications, General Conditions of Contract and Conditions of the Tender, hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specifications, Bill of Quantities, General Conditions of Contract, the rates and prices set out in the annexed Bill of Quantities within Sixty days from the seventh day of the date of receiving work order.

THE TOTAL AMOUNT PUT TO TENDER = Rs. _____ (Rupees _____).

I/We have submitted Account Payee Demand Draft No. _____ dated _____ in favour of Registrar JMI University, New Delhi payable at **New Delhi** for Rs. _____ (Rupees _____) with the tender as **Cost of Tender Document**.

I/We have submitted Account Payee Demand Draft No. _____ dated _____ in favour of Registrar JMI University, New Delhi payable at New Delhi for Rs. _____ (Rupees _____) with the tender as **Earnest Money**.

I also declare that the information / documents furnished along with the application and tender are true and authentic to the best of my knowledge and belief. I am well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender / termination of contract at any stage besides liabilities towards prosecution under appropriate law. Each page of the tender document and papers submitted by my Company are authenticated, sealed and signed, and I take full responsibility for the entire documents submitted with this tender.

I/We agree that the period for which the tender shall remain open for acceptance shall not be less than **90 Days** from date of opening of tender.

Signature of the Tenderer / Authorised person

(Seal of the Tenderer)

Witness :

Name of the Tenderer _____

Signature : _____

(in Block letters)

Name : _____

Address : _____

(in block letters)

Address : _____

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the MHRD Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the MHRD Portal, prepare their bids in accordance with the requirements and submitting their bids online on the MHRD Portal.

More information useful for submitting online bids on the MHRD Portal may be obtained at: <https://mhrd.euniwizarde.com>.

1. Bidders/Vendors/Suppliers/Contractors must get themselves registered by payment of 2000/- exclusive onetime fee for 1 Year on the portal for participating in the e-tenders published by the department. Detailed registration help manual is available in bidder help manual kit.
2. Bidders must provide the details of PAN number, registration details etc as applicable and submit the related documents. The user id will be activated only after submission of complete details.
3. Bidders must have a valid email id and mobile number.
4. Bidders are required to obtain Class 3 Digital Certificates (Signing & Encryption) as per their company details.
5. Once bidder DSC is mapped with the user id, the same DSC must not be used for another user id on the same portal. However bidder can update the digital certificate to another user id after unmapping it from the exiting user id.
6. Bidders now can login with the activated user Id & DSC for online tender submission process in this portal.
7. Bidders can upload required documents for the tender well in advance under My Documents and these documents can be attached to the tender during tender participation as per the tender requirements. This will save the bid submission duration/time period and reduce upload time of bid documents.
8. Bidders must go through the downloaded tender documents and prepare and upload bid documents as per the requirements of the department.
9. Bidders are advised to read complete BoQ/SoQ/Price Bid/Financial Bid and Terms & Conditions before quoting rates in the bid document.
10. Any modification/replacement in BoQ/SoQ/Price Bid/Financial bid template is not allowed. Bidders must quote only in predefined fields in the bid sheet and save the bid sheet. After saving, the same bid sheet must be uploaded in the portal.
11. Bidders must pay required payments (Tender fee, Tender Processing Fee etc as available on the portal) as mentioned in the tender document, before submitting the bid.

12. Bidders are recommended to use PDF files for uploading the documents and file size must not cross 5MB. Only **price bid and technical bid sheet** will be in Excel format.
13. The bidders must ensure to get themselves registered on the portal at least 1 week before the tender submission date and get trained on the online tender submission process. For tender submission and registration process bidders are advised to refer respective manuals on website. Tender inviting Authority/Department will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues like internet connectivity/PC speed/etc...
14. Offline Submission of bids/documents/rates by the bidders will not be accepted by the department, under any circumstance.
15. After final submission of the bid, a confirmation message and bid submission acknowledgement will be generated by the portal. The bid submission acknowledgement contains details of all documents submitted along with bid summary, token number, date & time of submission of the bid and other relevant details. Bidder can keep print of the bid submission acknowledgement.
16. If bidder is resubmitting the bid, bidder must confirm existence of all the required documents, financial bid and again submit the bid. Once submitted, the bid will be updated.
17. Submission of the bid means that the bid is saved online; but system does not confirm correctness of the bid. Correctness of the bid will be decided by tender inviting authority only.
18. The time displayed in the server is IST(GMT 5:30) and same will be considered for all the tendering activities. Bidders must consider the server time for submission of bids.
19. Bid documents being entered by the Bidders/Vendors/Contractors will be encrypted at the client end and the software uses PKI encryption techniques to ensure security/secrecy of the data. The submitted bid documents/data become readable only after tender opening by the authorized individual.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to MHRD Portal in general may be directed to the 24x7 MHRD Portal Helpdesk.

For E-Tendering Help/Support in participation or guidance: -

Helpdesk No. – 01149606060 or you may contact to below persons for any clarifications
Navneet – 9560364871

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

To,

Sub: Acceptance of Terms & Conditions of Tenders.

Tender Reference No. _____

Name of Tender/Work:-

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely.

as per your advertisement, given in the above mentioned websites(s).

2. I/We hereby certify that I/we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like NIT, Agreement, schedule(s), etc.), which form part of the contract agreement and I/we shall abide hereby by the terms/conditions/causes contained therein.
3. The corrigendum(s) issued from time to time by your department/organization has also been taken into consideration, while submitting this acceptance letter.
4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in its totality/entirety.
5. I/We do hereby declare that our Firm has not been blacklisted/debarred by any Govt. Department/Public sector undertaking.
6. I/We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject the bid or termite the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully

(Signature of the Bidder, with Official seal)

**Dr M.A ANSARI AUDITORIUM
SCHEDULE OF QUANTITIES (ACOUSTICS)**

SR. NO.	ITEMS SPECIFICATION	QTY	UNIT	UNIT PRICE	AMOUNT	MAKE
1.	<p>Fire & Moisture Resistant Gypsum used for cove & Designing work all heights in Ceiling Area where high fire and moisture protection is required.</p> <p>Providing & Fixing of(Moisture Resistant Gypsum board ceiling) All height with necessary GI framing as explained under gypsum ceiling. Features & Properties:</p> <ul style="list-style-type: none"> • Good sound insulation performance • Hydrophobic boards impregnated against absorption of moisture • High protection performance • Contains glass fibre additives to maintain the integrity of board for longer time periods than standard boards when exposed to fire. • A material that breathes and balances the room climate and humidity levels • Environment Friendly • Limitless design options <p>The tapered and square edges of the boards are jointed and finished to a flush finish with requisite jointing compound paper tapes finishes and primer suitable for gypsum plaster boards are as per mentioned make with 12.5mm including two or more coats of plastic emulsion paint to a smooth finish finished surface area of Gypsum board Ceiling with cove design.</p>	2500	SQFT			<ul style="list-style-type: none"> • USG BORAL (Lafarge) • Saint Gobain (Gypcore) • Knauf
2	<p>Providing & Fixing of perforated Calcium Silicate tile with extra strengthening of silhouette Ceiling Grid system :</p> <ul style="list-style-type: none"> • Calcium Silicate is Free from formaldehyde and other harmful materials. Does not contain any toxic ingredients. It is environment friendly and also categorized as green building product by Green Building • Calcium silicate has better thermal insulation and fire resistant properties which helps in reducing thermal losses and provide fire protection. • It has superior light reflection which reduces lighting requirement and enhance interiors. 	3000	SQFT			<ul style="list-style-type: none"> • Hilux, • Calsi, • Aerolite

<ul style="list-style-type: none"> • Calcium silicate tiles are not affected by moisture, water and extreme of temperatures. Therefore these tiles do not soften and sag even in high humidity environments. False ceilings using Calcium silicate tiles do not lose physical integrity even in case of condensation from air conditioning ducts or in case of any leakage of water from the main ceiling above the suspended ceiling and can be safely used even in industrial and semi exposed locations. • Calcium silicate is a sound absorbing material that neither transmits nor augments sound. It has good noise coefficient reduction and therefore can be used at auditoriums & libraries. • These tiles are made from inorganic materials and are immune to termite attack. <p>Product Specifications: Councilwith acoustical backing that improves sound quality and reduces reverberation time on 15 mm black grooved selhoute grid. The tiles should have 100% water resistance & fire resistance as per BS 476 , Light Reflectance >75% in module size of 595 X 595 X 8 mm . The tile should be Termite proof. Minimum 15 mm wide grid T sections i.e. the Main Runner 3000mm in web height of 32mm, 1200 mm & 600 mm Cross Tees in web height of 26mm.</p> <p>INSTALLATION:-To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using suspension system at 1200mm maximum centre. The First/Last suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600 x 600mm module to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be wall angles of size 3000x19x19mm, secured to walls at 450 mm maximum centres. Work complete in</p>					
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	all respect as per the drawing to the satisfaction of Engineer in-charge or Project Officer.					
3	<p>Providing & fixing of customized grooved & perforated wooden Medium Density Fibreboard panel to reduce echoes by trapping and diffracting sound in the grooves and perforation found on the surface backing with black fleece.</p> <p>To achieve NRC 0.76 (Noise Reduction Coefficient) with 50mm Rockwool, The sound that passes through the perforation is further absorbed by Rockwool, which reduces reverberation in the room. Smaller grooves are better at attenuating high frequency sounds, whereas larger grooves are better at controlling low frequency sounds with requirtd lineal perforation on side wall as per simulated drawings & designs. The panels shall be Non FR grade with melamine laminate panels 2440mm x130mm x 18mm with 2.5mm groove at 14mm pitch, Tongue and Groove edges for seamless mounting having density of 400kg/m3, The Panel is fixed by using GI Framework spaced at 600mm centres @ 12 mm wooden ply strips framework spaced at 400mm centers with suitable hardware and the system is backline with 50 mm insulation and along with all accessories. Continue installing rows of panels by inserting screw & plugs into the groove of the wooden panel and progressively installing the panel into the next keel till the actual height is achieved. Finish off the edges using wooden moulding of matching colour. The panelling work shall be done in all respects as per detailed drawings. The Work complete in all respect as per the drawing to the satisfaction of Engineer in-charge or Project Officer.</p>	2800	SQFT			<ul style="list-style-type: none"> • Calsi • Pro-Acoustics • Action Tesa, • Green or Century
4	<p>Providing and Fixing of Fabric acoustic wall and ceiling treatment system:</p> <p>As per architectural drawings to achive customized design, Stretch fabric panelsa are designed for acoustic performance and visual enhancements, Panles combines beauty and functionality, creating environments that appeal to all senses. In addition to eliminating unwanted noise and reverberation inside Auditorium above</p>	1400	SQFT			<ul style="list-style-type: none"> •Nexgen •Innovative •Responce

	<p>8ft height:</p> <p>Stretch fabric panels fixed on flexible track profiles secure and frame fabric finish with excellent for sound control applications and is also a beautiful wall covering, enhancing the décor and the sound of installations, almost any panel size can be created in side Auditorium on G.I studs 2400mm X 50mm web flanges 15 & 50mm fully knurled giving it high strength, hot dipped galvanized steel with 120GSM zinc coating specially designed for Acoustic vibration management and long life with a backing 50mm thick Rock wool @48kg density insulation intact with chicken mess wires NRC up to .90. To be mechanically fastened on the G.I Studs. Then 12mm Vinyl tracks are screw fixed on to the 12 mm Ply and Acoustics panel's .Then the fabric is stretched over the Vinyl tracks. The installed system should provide NRC OF 1.00.Fabric colour as per Architect choice-Ref attached specifications for more details. The system to be installed on G.I studs 600x600mm centre to centre 2400mm X 50mm web thickness 0.5mm, flanges 15 & 50mm fully knurled giving it high strength, hot dipped galvanized steel with 120GSM zinc coating specially designed for Acoustic vibration management and long life with a backing of 50mm thick, 1000 GSM Rock wool tested as per Fire Retardant ASTM D 635-1991 /Insulation and IS 15061-2002 for excellent results. Work complete in all respect as per the drawing to the satisfaction of Engineer in-charge or Project Officer.</p>					
5	<p>Wood Bonded Acoustical Tiles Used On Stage Side Walls Rear Walls And on overhead MS Grid</p> <p>Providing & Fixing 20mm Thick Panels in Size 1220 X 610mm Colored Panel as per desired Finish , Premium Square Edge.Panels are made of pine wood Fibers containing Cellulose Binded with Magnetite. The Paanelns will be screw Fixed</p>	2090	SQFT			<ul style="list-style-type: none"> • EchoMute • pro-acoustics • Fibercrete • Aerofiber • Himalayan • Utone • Fibretex

	<p>@ 200mm on GI Metal Frame of 50 X 50mm Making a grid of 610mm c/c. The Frame is to be made in proper line after leveling. The Panels will be backed with 50mm Roxul Rockwool of 48 kg/cum inserted inside the grid of 610 X 610mm Which will comprise of minimum NRC 0.80 as per IS: 8225/ ISO: 354/ASTM: 423-90a. The Panel meets the Stringent fire test required having Class 'P' rating for ignitability test as per BS 476 part 5 and class 'I' rating as per BS476 part 7 for surface spread of Flame test. Class 'P' and Class 'I' are the Highest rating .BS 476 part 6 fire Propagation index, I-not greater than 4.11. Panels Shall be Spray Painted with Choice Colour for Final Finish.</p> <p>* Stage Ceiling * Stage Side Walls (Right & Left) & Rear Wall</p>					
6	<p>Providing and Fixing of Acoustical Stage Wooden Flooring:</p> <p>Providing and fixing 75mm to 90mm X 20mm to 18mm thick in random length, 2nd class teak wood planks flooring with tongue and groove joints on a layer of 19 mm thick BWR grade ply of approved make and manufacture, fixed to hardwood joint 62mmX 62mm at 600 mm c/c in one direction and 62 X 62 mm hard wood battens 600mm c/c on other direction, interlocked frames. the framework Hardwood joint resiliently supported on 12mm Thickness X 100MM Width X 100 MM Length ANTI VIBRATION RUBBER PAD BOTH SIDE GRIP with Specific Gravity: 1.60g/cm³(+/- .05), Hardness : 70 (+/- 5) Shore A, Tensile Strength: 30 kg/cm² (min), Elongation: 250% (min) Rubber Pads, the framework to be filled with 50mm thick Insulation Wool resin bonded insulation of density 24kg/cum. PU polishing of teakwood on the exposed surface: In horizontal/vertical plane (rate for flooring shall include providing additional framework required for housing microphone and power outlet junction - signal & Popup Stage boxes, If required providing and fixing hinged 18mm thick teakwood cover for the junction boxes. As</p>	600	SQFT			As per Architural Design & Drawing

	per Design & Drawing Work complete in all respect as per the drawing to the satisfaction of Engineer in-charge or Project Officer.					
7	<p>Providing and fixing of Sound Absorbent Anti-bacterial BROADLOOM CARPET</p> <p>Broadloom carpet of WELSPUN MAKE ,100% PET carpet of pile Height 9 mm (± 1 mm), Pile Weight Net less Than 1100GSM (± 5%), Total Weight 2837 GSM (± 5%), Secondary Backing PP Mesh, Gauge 1/8 Cut Pile, Latex Natural Rubber, Color fastness to Light Test Method: AATCC 16 (20 AFU) ≥ 4.0 at 80 Hours , Static Electricity Test Method: AATCC 134 Less than 3.5 KV, Hexapod test Method: ASTM D 5252 ≥ 4, Flammability (Radiant Panel) Test Method: ASTM E 648 ≥ 0.45 (Class I) , complete as per drawing , specifications of the architect. The carpet and Underlay (min 6 mm) will be installed with standard Fevicol/Dunlop Adhesives. The flooring to be installed as per the manufacture's specification and to be installed by its authorized agency or as Approved</p>	5200	SQFT			<ul style="list-style-type: none"> • Vibrant • Bolon • Nox • Innovative
8	<p>Providing and Fixing of Side Skirting Wooden Beading:</p> <p>complete Installation on side skirting & Moulding 100mmX10/8mm as per required finishing with melamine polishing. Work complete in all respect as per the drawing to the satisfaction of Engineer in-charge or Project Officer. Skirting: 157.68 Sqft Beading: 233.47 Sqft</p>	450	R/FT			<ul style="list-style-type: none"> • As approved by Architect or Engineer in charge
9	<p>Stair edging trims, or angles, provides a safe and professional finish to the front of steps.</p> <p>When installed they conceal the exposed edges of step floorcoverings and stair nosing's. Provides Slip resistance thereby ensuring adherence to safety norms. Where steps are covered with carpet, stair nosing ensures that the carpet stays in place. There are two stair edging trim options in aluminium or UPVC with thickness of 30-60 mm, 45-55 mm, they solve the purpose of Aesthetics,</p>	450	R/FT			<ul style="list-style-type: none"> • As approved by Architect or Engineer in charge

	maintenance & Safety.					
10	<p>Providing and fixing of 25-50 mm thick wooden nosing : Made out of 2nd class teak to finish staircases and edges in flush or overlap. They are designed to take the brunt of foot traffic while maintaining each step's beauty. Flush noses are used through glue / nail-down methods. They are often nailed with shoe, saddle & Quarter round shape leaving smooth and finished surface, They often contribute to low maintenance and extended life span of the material keeping the edges safe and in alignment.</p>	200	R/FT			<ul style="list-style-type: none"> • As approved by Architect or Engineer in charge

**Dr M.A ANSARI AUDITORIUM
SCHEDULE OF QUANTITIES (ACOUSTICS)**

SR. NO.	ITEMS SPECIFICATION	QTY	UNIT	UNIT PRICE	AMOUNT	MAKE
1	<p>SITC of Push Back Auditorium Chair: As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. PUSH BACK CHAIRS is an optimally designed chair for use in auditoriums Epoxy powder coated paint for all steel parts.</p> <ul style="list-style-type: none"> • 25mm x 5mm MS flat made back inner frame with 3 serpentine springs. • PPCP plastic moulded one-piece inner seat frame Moulded polyurethane foams cushioned seat back. • Upholsters with flame retardant fabric (Option scotch guard for stain resistance) • Zipper attached to seat back fabric for easy resolvability • Epoxy powder coated paint for all steel parts • Integrated skin type PU foam made arm rest with or without cup holder • Maintenance free synchronized push back system, with seamless seat supporting tray • Heavy gauge CRC sheet made side stand covered with fabric 4.5kg • Back side of the back covered with PPCP plastics back cover • Chairs installed to the floor with expanded anchor fasteners 	Per-Chair	580			*Cinema Works, *Innovative Pen workers
2	<p>Step Light Chair Lamp: Low Voltage (2.5W) LED Step Lights Kit, Half Moon, to fix on a chair to illuminate Stair LED Light With up to 20-lumen outpour supplies an adequate amount of non-flicker light. "Wiring as per actual" (Electrical Wiring As per actual)</p>	Per Piece	100			

**Dr M.A ANSARI AUDITORIUM
SCHEDULE OF QUANTITIES (ILLUMINATION)**

SR. NO	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
1	Supply, Installation, Testing & Commissioning of General Ceiling Lighting : Fixture of warm white 18 watt LED ceiling light in Auditorium	50	Pcs		
2	Supply, Installation, Testing & Commissioning of General Ceiling Lighting : Fixture of warm white 18 watt LED ceiling light on stage	10	Pcs		
3	Supply Installation & Fixing Of Legrand Arteor 4 Module Pop-Up Floor Box - White Installed in concrete or raised access floors on stage or integrated directly into the furniture to connect electrical devices: Slim design for perfect integration into the floor or office furniture. Soft opening for enhanced comfort and safety. Equipped with push and slide locking system to avoid accidental opening by feet To be equipped with Arteor socket outlets. For installation use the flush mounting boxes for concrete floors or the kits for raised access floors or table top 4 Modules White finish	6	Box		
4	Supply, Installation, Laying, Testing & Commissioning of Entry Safety Sinage above both doors in Auditorium : "PVC Insulated Finolex Electric Cable 1.5 mm" electrical wiring to illuminate exet sinage above main doors.	6	Pts.		
5	Supply, Installation, Laying, Testing & Commissioning of Exit Safety Sinage above both doors in Auditorium : "PVC Insulated Finolex Electric Cable 1.5 mm" electrical wiring to illuminate exet sinage above main doors.	6	Pts.		
ELECTRICAL WIRING & POINT AS PER ACTUAL					

**Dr. M.A ANSARI AUDITORIUM SCHEDULE OF QUANTITIES
(PROJECTION SYSTEM)**

SR. No.	ITEMS SPECIFICATION	QTY	UNIT	UNIT PRICE	AMOUNT	MAKE
1	<p>SITC Panasonic Laser ,6500 lumens, WUXGA : This projector also offers WUXGA resolution and Full HD support. Featuring breakthrough laser technology, it delivers a laser light source of up to 30,000 hours⁵. And, it offers virtually maintenance-free operation for the life of the optical engine⁶. Plus, it features a Dynamic contrast ratio of up to 2,500,000:1. It also includes manual lens shift, networking with enterprise-level security, and advanced installation features. Audio Input: Stereo Mini Jack: 2 Audio Output: Stereo Mini Jack: 1 Control I/O: RS-232C: D-Sub 9pin x 1 Others: USB Type A: 1 (for USB Memory, USB Document Camera, Firmware Update, Contents Playback, Copy OSD Settings) USB Type B: 1 (for Mouse, K/B, Control, Firmware Update) Throw Ratio Range: 1.35 - 2.20 (Wide to Tele)</p>	1	Nos.			*Epson *Panasonic *SONY
2	<p>Universal Projector Ceiling Mount: Universal Projector Wall or Ceiling Mount - Adjustable Angle and H: * Cold-Rolled steel material; Durable construction * Fits most projector brands (mounting holes on projector max. 12.3") * 2-In-1 design can be installed as a Flush mount or Telescopic with height adjustment 14.9" - 24.4" * Angle adjustments: Tilt and rolls Plus or minus 15 degrees 90 degrees swivel adjustment * Features cable management to conceal HDMI, audio, video cables.</p>	1	Nos.			Reputed
3	<p>Optical High-Defination Multimedia Interface Cable: 50' Meter' Ultra High Speed Equalizer HDMI Cable FULL HD 3D Shielded High Speed Cable for Audio Video HDMI Cord Support HD 3D 4K, With Ethernet - Supports 3D & Audio Return Channel with MULTI- FUNCTIONAL SUPPORT - Lintek HDMI A Male to A Male Cable 1 Supports 3D HD 2K @ 1080p QHD @ 1440p UHD 4k @ 2160p (up to 60 Hz over HDMI 2.0 HDMI 2.0 connection).</p>	1	Nos.			Lintek
4	<p>Optical VGA "A Video Graphics Array" MALE TO MALE VGA CABLE DB-14 MACHO X DB-14 MACHO VGA 50MT: This VGA Cable is the best link for connecting</p>	1	Nos.			Lintek

	<p>your desktop or laptop to a monitor or projector. The combination of gold-plated connectors with heavy 28 AWG bare copper conductors, foil & braid shielding and dual ferrite cores provide superior cable performance. Its moulded strain relief connectors, finger-tightened screws, and easy grip treads increase durability, ensure a secure connection, and make plugging and unplugging easier.</p> <p>KEY FEATURES: Input: VGA 15-pin male Output: VGA 15-pin male Material: Bare copper conductor Supported resolutions: 800x600, 1024x768, 1280x1024, 1600x1200, 1680x1050, 1080p, 1920x1200 & higher.</p>					
5	<p>Grandview Motorised Smart Screen: Screen is designed to be clever to make your installation easy, like always the screen has multiple mounting points and can be mounted on the wall or ceiling. The Grandview Smart-Screen is designed to be clever to make your installation easy. Like always the screen has multiple mounting points and can be mounted on the wall or ceiling. Features: As standard is supplied with IR Remote, 12V Trigger, Close Contact and a manual override switch. Simple mechanical limit setting adjustments via the motor. Install is simplified with multi fit brackets that can be installed anywhere along the length of the casing allowing for mounting to wall stud positions. Brackets suit wall, ceiling or suspended installation. Projection surface is Plana R. Casing is extruded aluminium, finished in white. 12 V Trigger Using 1.5mm output on screen and 3.5 on the projector end. SIZE 15 ft. X20Ft behind procenium arc</p>	1	Nos.			Reputed
6	<p>12000 Lumens 4K Projector : Display Technology : Latest DLP Chip 3D Active Stereo Projector, Input and Output Resolution per projector : 3840x2400 (4K UHD) or better, Light Output per projector : 12500 ± 5% ISO Lumens, Contrast Ratio : 1200:1 sequential or more, Brightness Uniformity : > 90%, 3D Capability : Active stereoscopic 3D with single cable frame sequential active 3D input @ 120Hz for resolutions up to WQXGA, Color Correction : Projector should be able to support color correction capability by feeding in measured color values in projector via PC controller, Edge Blending and Geometric Correction :</p>	1	Nos			*Barco *Christie *Panasonic

	<p>Projector should be able to support embedded image warping and blending.</p> <p>Inputs (Control and Display) : 2 or more DisplayPort 1.2, 2 or more Dual Link DVI-D, 1 or more HDBaseT, 1 or more HDMI 2.0 (HDCP 2.2, HDR 10), TCP/IP, RS 232, IR</p> <p>Lens Operation : Motorized zoom, Focus, Shift, Up to 125% vertical shift, depending on lens, Projector should be supplied with lens covering screen size of 12'x19.2' from a distance of 70', Lamp and Running Capability: Lamp-less illumination system with light-source lifetime of up to 35,000 hrs or more, Operating Environment : Temp: 10°-35°C and Humidity: 20-80%, Accessories : IR keypad (with batteries), User manuals of all hardware equipment and software, Inbuilt warping and blending capability, Mandatory Certification : CE, FCC Class A, cNemkoUS, CCC, EAC, KSA, RCM, UkrSEPRO, Tender specific authorization from OEM of Projectors must be submitted by the bidder. If OEM has an Indian office, then authorization must be from the Indian office of the OEM.</p> <p>The projectors shall be manufactured at OEM's own manufacturing facility. Re-branded or Projectors manufactured at any 3rd party company which are not owned by the Projector Brand are not allowed. Bidders shall provide evidence of name & location of manufacturing facility by means of BIS certifications issued to the Projectors manufacturer for product certification, by applicable certification agencies/authorities, with details of manufacturing facility/factory mentioned in the certificate. Applicable BIS certificate shall be submitted with the technical bid document.</p>					

**Dr M.A ANSARI AUDITORIUMSCHEDULE OF QUANTITIES
(SOUND/AUDIO)**

SR. No.	ITEMS SPECIFICATION	QTY	UNIT	UNIT PRICE	AMOUNT	MAKE
1	<p>Ceiling Mount Speaker(Front Left & Right): As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Speaker type : 2-way bass reflex , Frequency range (-10dB) : 50Hz-20kHz , Nominal coverage : 90 x 40 , Components : 15" cone , 1.75" , Ti vc, CD-Horn , Power rating : PGM 500W , SPL : Sensitivity (1W; 1m on axis) 98dB SPL , Nominal impedance : 8Ω</p>	4	Nos.			<ul style="list-style-type: none"> • Yamaha • JBL • QSE
2	<p>Speaker Rigging : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Speaker Mount &Rigging Hardware for Yamaha R115 (Area: Front Speaker)For Hanging arrangement of Speaker</p>	2	Nos.			<ul style="list-style-type: none"> • Custom
3	<p>Floor Monitor Speaker : Speaker type : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Floor Monitor Speaker : Speaker type : 2-way bass reflex , Frequency range (-10dB) : 55Hz-20kHz , Nominal coverage : 40 x 90 , Components : 12" cone , 1.75" , Ti vc, CD-Horn , Power rating : PGM 400W , SPL : Sensitivity (1W; 1m on axis) 97dB SPL , Nominal impedance : 8Ω</p>	2	Nos.			<ul style="list-style-type: none"> • Yamaha • JBL • QSE
4	<p>Monitor Speaker on Side Wall behind Stage wings : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Speaker type : 2-way bass reflex , Frequency</p>	2	Nos.			<ul style="list-style-type: none"> • Yamaha • JBL • QSE

	range (-10dB) : 50Hz-20kHz , Nominal coverage : 90 x 40 , Components : 12" cone , 1.75" , Ti vc, CD-Horn , Power rating : PGM 400W , SPL : Sensitivity (1W; 1m on axis) 97dB SPL , Nominal impedance :8Ω					
5	<p>Speaker Brackets : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>For Hanging arrangement of Speaker on side walls or over head on stage</p>	2	Nos.			<ul style="list-style-type: none"> • Custom
6	<p>Subwoofer : Speaker type : as per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Bass reflex , Frequency range (-10dB) : 35Hz-3kHz , Components : 18" cone , Power rating : 1000W , SPL : Sensitivity (1W; 1m on axis) 97dB SPL ,Peak SPL (128dB) Nominal impedance : 8Ω</p>	2	Nos.			<ul style="list-style-type: none"> • Yamaha R118W
7	<p>Delay Speaker (Left & Right) : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Speaker type : 2-way, Bass-reflex , Frequency range (-10dB) : 51Hz - 20kHz , Nominal coverage : H (100) X V (100) , Components : 8" Cone & 1" Soft dome , Power rating : 180W , Nominal impedance: 8Ω/60W (170Ω), 30W (330Ω), 15W(670Ω) , SPL : 117dB SPL</p>	12	Nos.			<ul style="list-style-type: none"> • Yamaha • JBL • QSE
8	<p>Power Amplifier for, main Speaker & subwoofers : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>2x 1000W at 8Ω ; 2x 1200W at 4Ω ; Newly developed Class-D amplifier engine with a custom LSI ; Flexible onboard PEQ,</p>	2	Nos.			<ul style="list-style-type: none"> • Yamaha • Crown • QSE

	<p>crossover, filters, delay, and limiter functions; Yamaha Speaker presets ; Utilities for safe and secure operation ; Output power; 1kHz Non-clip 20msec Burst Both channels driven 8Ω ; 1000W x 2 ; 4Ω 1200W x 2 ; 2Ω 700W x 2</p>				
9	<p>Power Amplifier : Stage Monitor Speakers : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>2x 800W at 8Ω ; 2x 1050W at 4Ω ; Newly developed Class-D amplifier engine with a custom LSI ; Flexible onboard PEQ, crossover, filters, delay, and limiter functions ; Yamaha Speaker presets ; Utilities for safe and secure operation ; Sampling frequency rate Internal 48kHz ; A/D D/A Converters AD/DA: 24-bit linear, 128 times over sampling; Total harmonic distortion 0.1% (1kHz, 10W), 0.3% (1kHz, Half power) ; Frequency response ±1.0dB (1W, 8Ω, 20Hz to 20kHz)</p>	2	Nos.		<ul style="list-style-type: none"> • Yamaha • Crown • QSE
10	<p>Power Amplifiers for surround speakers : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>2x 300W at 8Ω ; 2x 500W at 4Ω ; Newly developed Class-D amplifier engine with a custom LSI ; Flexible onboard PEQ, crossover, filters, delay, and limiter functions ; Yamaha Speaker presents ; Utilities for safe and secure operation ; 8Ω/Power Boost Mode 600W x 1 4Ω/Power Boost Mode 1000W x 1; Sampling frequency rate Internal 48kHz ; A/D D/A Converters AD/DA: 24-bit linear, 128 times over sampling</p>	3	Nos.		<ul style="list-style-type: none"> • Yamaha Px5
11	<p>Analog Mixer : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Mixing channels 24 Line Inputs (16 mono and 4 stereo) ; GROUP 4 GROUP Buses + ST</p>	1	Nos.		<ul style="list-style-type: none"> • Yamaha • Macki • Sound Crafd

	Bus ; AUX 6 AUX Sends + 2 FX Sends ; MATRIX 1 Matrix out ; On-board processors FX1:REV-X(8 PROGRAM, PARAMETER control)/ FX2:SPX(16 PROGRAM, PARAMETERcontrol)					
12	Wired Microphone : As per Architectural Drawings, Work will be executed as per the instructions of Engineer- in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete Microphone Unit Dynamic ; Polar Pattern Unidirectional ; Frequency Response 40 Hz– 15 kHz ; Sensitivity (2.83 V/1 m) -54dB ±3dB (0 dB=1V/Pa at 1 kHz) ; Output Impedance 500 ohms ±30% (at 1 kHz) ; Connector 3 pin XLR-M type ; Cable Ø6mm x 5m cable with XLR-F type connector and 6.3mmplug	20	Nos.			<ul style="list-style-type: none"> • Yamaha • Shure • Sennheiser
13	Handheld Wireless Microphone: As per Architectural Drawings, Work will be executed as per the instructions of Engineer- in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete Professional Handheld Wireless Microphone System with 8 Selectable UHF Channels. The selectable 8 UHF channels ensure flawless and non-interfering performance, along with an exceptionally clear microphone make the BR 28/BM 28 a great value proposition. UHF Band frequency by PLL-Synthesis Technology	2	Nos.			<ul style="list-style-type: none"> • Studiomaster • Shure • Sennheiser
14	Lapel UHF wireless microphone : As per Architectural Drawings, Work will be executed as per the instructions of Engineer- in- charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete Professional Lapel UHF wireless microphone technology system engineered for the high quality performance for virtually any application. This Series of UHF wireless system offers unprecedented flexibility & versatility. Superior quality UHF band frequency Wireless Microphone System. 100 UHF selectable channels.	2	Nos.			<ul style="list-style-type: none"> Studiomaster Sennheiser Studiomaster
15	GOOSNECK MICROPHONE As per Architectural Drawings, Work will be	2	Nos.			<ul style="list-style-type: none"> • Shure • Sennheiser

	<p>executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Frequency Range 50 Hz to 18 kHz Maximum SPL 120 dB SPL Impedance 100 Ohms Sensitivity -38 dOperating Voltage 12 to 48 V Dimensions H: 1.3 x W: 3.4 x L: 5.6" / H: 3.3 x W: 8.64 x L: 14.22 cm (Base) L: 18" / L: 45.72 cm (Gooseneck) Weight 1.73 lb / 784.7 g</p>					<ul style="list-style-type: none"> • Studiomaster
16	<p>PA Powered Lectern System Powered Podium: As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>I. Built-in 60 Watts Amplifier (4 OhmsOutput) II. Built-in Three 4 Inches•Woofers and One 2Inches•Tweeter III. Built-in Dual Wireless Microphone (Dual Hand or One Hand + One TieMicrophone) IV. Two Flexible Gooseneck Microphone and One ReadingLamp V. External Speaker Connectionavailable VI. Foldable LaptopTable In-Built USB Player with Bluetooth and Recording Facility</p>	1	Nos.			<ul style="list-style-type: none"> • MEGA • AHUJA • Audio work
17	<p>Equipment Rack : As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Equipment Rack for housing all rack mountable equipments with internal wiring, front glass door; heat dessipation fans; movement wheels, power distribution units etc.</p>	1	Nos.			<ul style="list-style-type: none"> • AUDIOWORKS RACKOM Equivalent
18	<p>UL Listed connectors : For inter connection of equipment's.</p>	1	Lots.			<ul style="list-style-type: none"> Seetronics Neutric Losen
19	<p>Floor Boxes : Container for electrical connections, usually intended to conceal them from sight and</p>	4	Nos.			<ul style="list-style-type: none"> STAGWORKS

	deter tampering.					
20	Microphone stand (big) : Long Stands for microphone	6	Nos.			<ul style="list-style-type: none"> • Hercules GS K & M
21	Microphone stand (Small) : Long Stands for microphone	14	Nos.			<ul style="list-style-type: none"> • Hercules GS K & M
22	Professional Stereo Headphones : <ul style="list-style-type: none"> *High impedance and maximised power handling for mixers *Enhanced frequency response tuned to deliver high-output bass with extended highs Closed-back, circumaural design rests comfortably over the ears and reduces background noise *Adjustable, collapsible headband with 90-degree swivel ear cups for comfort and easy one-ear placement *Legendary Shure quality to withstand the rigours of everyday use *Bayonet Clip securely locks cable into ear cup Replaceable ear cup pads ensure long product life *3m (10ft) coiled detachable cable provides plenty of length and easy storage *Carrying bag protects headphones when on the go or not in use 	1	Nos.			<ul style="list-style-type: none"> • SHURE • Sennhesier • Studio master
23	Snake Cable Long drum: LOSEN/SUNRISE/ MB PRO 16 Pair Bulk CL-2 Multi-pair Snake Cable Each channel is 24 gauges, individually shielded, jacketed and numbered. Meets NEC Code for permanent installation. Cables are built with the hard-working, hard-touring musician or audio professional in mind. AWI cables are exceedingly high-quality cable lines in the fix installations and live shows for their durability and excellent performance.	100	Mtr.			LOSEN &SUNRISE Clotz
24	Speaker Cable for 2.5 Sq. mm 200/40 Subwoofers &Main Speakers: Cable with thickness of 2 Core 2.5 Sq. mm.Use for all audio applications with Double Diamond ProtectionHighest quality stranded copper wire for maximum flexibility and covered with a tough PVC jacket to helpprevent chafing,Wire should be designed to maximize sound quality and for better frequency response Cable with thickness of 2 Core 2.5 Sq. mm	300	Mtr. Spool			<ul style="list-style-type: none"> • LOSEN &SUNRISE • Clotz • Neutric
25	Speaker Cable for 1.5 Sq. mm 100/40	250	Mtr. Spool			<ul style="list-style-type: none"> • LOSEN &SUNRISE

	<p>DelaySpeakers : Cable with thickness of 2 Core 1.5 Sqmm. Use for all audio applications with Double Diamond Protection Highest quality stranded copper wire for maximum flexibility and covered with a tough PVC jacket to help prevent chafing, Wire should be designed to maximize sound quality and for better frequency response Cable with thickness of 2 Core 1.5 Sq. mm</p>					<ul style="list-style-type: none"> • Clotz • Neutric
26	<p>Microphone Cable : Balanced shielded Roll Reel of microphone audio cable, Balanced and shielded with rope braiding to give cable substantial strength while retaining extreme flexibility & Great for building custom length mic cables, custom patch coded or other audio applications that require either a stereo or balanced signal.</p>	200	Mtr.			<ul style="list-style-type: none"> • LOSEN & SUNRISE • Clotz • Neutric

**Dr M.A ANSARI AUDITORIUMSCHEDULE OF QUANTITIES
(STAGE FURNISHING)**

SR. NO.	ITEMS SPECIFICATION	QTY	UNIT	UNIT PRICE	AMOUNT	MAKE
1	<p>MOTORIZED STAGE CURTAIN MAINTAINANCE & FABRIC UPGRADATION: As per Architectural Drawings, Curtain track position will be changed to match with lighting bars & Stage Frills /wings executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Stage curtain tracks & Winch will be reinstalled as per revised architectural drawings and Selected fabric with preferred colour will be rest itched on site as per drapery norms.</p> <p>FABRIC SPECIFICATION : 450-550 GSM VELVET, MOLFIN, HITECH & MOKEN Fabric Make :Innovative, Response, Nexgen or Pro-Fab Flame-Retardant treatment charges included</p>	3	JOB			<ul style="list-style-type: none"> • Canara • Stage Works • Leksa • illumitex
2	<p>STAGE SIDE WINGS: As per Architectural Drawings, Work will be executed as per the instructions of Engineer-in-charge (EIC) including all tools, tackles, machineries, manpower, staging, any consumables, etc. complete</p> <p>Providing and fixing of cloth wings made out of black glazed 450 GSM Velvet, Molfin, Mokol or Hitech fabric</p> <p>FABRIC SPECIFICATION : 450-550 GSM VELVET, MOLFIN, HITECH & MOKEN Fabric Make : Innovative, Response, Nexgen or Pro-Fab</p>	4	Nos.			<ul style="list-style-type: none"> • Canara • Stage Works • Leksa • illumitex
3	Removal of Chairs, Carpet, Curtain Panelling etc. and attacking at site.	-	JOB			
4	Disposal of Malba and stacking of usable material at site.	-	JOB			
5	Dismantling and Removal of Audio/Visual system and handing them to the authorities.	-	JOB			

**Dr M.A ANSARI AUDITORIUMSCHEDULE OF QUANTITIES
(STAGE LIGHTING)**

SR. NO.	ITEMS SPECIFICATIONS	QTY	UNIT	UNIT PRICE	AMOUNT	MAKE
1	<p>Supply, Installation, Testing & Commissioning of LED FLOOD LIGHT 100 Voltage: AC100V-240V Frequency: 50-60Hz Power Consumption: 130W Light Source: 100W LED QTY': 1 piece Light Colour: Single WW or CW (100W), 2in1/4in1(100W) Colour Rendering Index (CRI): Ra≥90 Lifetime: 50,000 hours DMX Channel: 2CH (Single colour), 2/5CH(2in1),4/8CH(4in1) Control mode: DMX 512, mater and slave, auto running, sound mode Environment Temperature: -30°C-50°C Cooling system: Low noise fan Light body: Aluminium Alloy IP Rate: IP20 Dimension: 240 X 745 X 440mm Net Weight: 8.5kg</p>	6	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
2	<p>Supply, Installation, Testing & Commissioning of LED 200W COB Surface Light (optional colour) GL-LPC200 Voltage: 110-240V 50/60HZ Power: 200W COB template Colour temperature: 3200K-6500K Strobe: High-speed electronically adjusted strobe up to 1-25 times/sec or random strobe Dimming: The total dimming channel can simultaneously control the light and dark changes and close light of 2 main colors Applicable life: 50000-1000000 hours Weight: Net weight 5.15KG</p>	24	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
3	<p>Supply, Installation, Testing & Commissioning of 54 X 3W RGBW LED PAR Stage Washer Voltage AC100 - 240V 50 / 60Hz Power:60W LED source: 3W Tian Xin (R14, G14, B14, W12) Light Life:50000h</p>	30	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex

	DMX channel: 8CH Modal: DMX512 /Sound / Auto / Master - salve Size:29.5 * 22 * 29 CM Weight: 3.4KG.					
4	Supply, Installation, Testing & Commissioning of 230 W Led Profile Spot 19 Degree Code: LKH PRO 1019 230W profile Light (19Degree) : Luminaire provided with gel holder, Gobo holding. Specification: Die cast Aluminium body, with HPL lamp. To include mounting accessories with required lamp.	2	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
5	Supply, Installation, Testing & Commissioning of 4 eyes cob led blinder light 100W Voltage / frequency: AC100V-240V/50-60Hz. Rated power: 430W. Light source: 4 ultra-high brightness COB 1 DOW two-in-one LED. Lamp life: about 50,000 hours. Color: Warm white or white or 2-in-1. Color temperature: 3200K - 5600K can be adjusted. Control channel: 8 channels. Light angle: 35° . Dimming: 0-100% linear electronic dimming. Strobe: Independent high-speed electronic strobe, 1-13 times per second. Operating mode: voice control, self-propelled, master-slave, DMX512. Colour rendering index: Ra>85 Waterproof rating: IP20	6	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
6	Supply, Installation, Testing & Commissioning of DMX/Scene Controller: 24 control channels 48 memorisable programs via 4 pages 12 scenes can be called directly via the faders Blackout function Sound control via built-in microphone or via line input Controller comes without pre-programmed chasers	1	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
7	Supply, Installation, Testing & Commissioning of Light controller DMX splitter 8C: DMX splitter is a DMX512 distribution amplifier it is specially designed for connection of DMX receiver (dimmers, colour changers, move lights, etc.) in a star	3	NOS.			

	configuration. DMX splitter can surmount the restriction that single RS485 can only connect 32 sets of equipment The multiple output optically isolated DMX512 distribution amplifier have become necessary in many DMX512 system. DMX splitter provides total electrical ground isolation between different branches of the stars. This greatly decreases problem with ground loops.					<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
8	Supply, Installation, Testing & Commissioning of 3000W DMX Fog Machine Voltage: AC 110 / 230V 50-60Hz ± 10% Power: 3000W Warm-up time: 12 minutes Smoke oil capacity: 10 liters; Spray distance: 20 meters Smoke cover: 40000cu.ff / min Control mode: timing quantitative / DMX512 control	1	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
9	Supply, Installation, Testing & Commissioning of DMX 3-Pin Male XLR – 3-Pin Female XLR DMX Cable: Supply, Installation, Laying, Testing & Commissioning of DMX Data Signal Point Wiring : Using 2-core PVC insulated 22AWG multi-stranded Cu. Cond. high speed data cable designed for EIA485 ; low capacitance, twisted pair shielded ; FHDPE insulation - starting from DMX Splitter to each Light Bar - either sides, Side Ladders and Floor Points, as required to be terminated with suitable XLR connectors	90	NOS.			<ul style="list-style-type: none"> • Neutrik • SUNRISE • Kramer
10	Supply, Installation, Testing & Commissioning of LIGHTING SAFETY HOOK Features Choose from multiple lengths and safety bond types Galvanised steel cable Black PVC coated Black steel cable Screw-gate carbine hook Shackle Designed and manufactured in the UK! Specifications Cable diameter: 3mm Working Load Limit (WLL): 25kg	90	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
	Supply, Installation, Testing &					

11	Commissioning of Black Steel Hook: G CLAMP Strong metal G clamp fitted with protector strip designed for hanging light effects. Fits on bars up to 50mm diameter.	85	NOS.			<ul style="list-style-type: none"> • Canara • Stage Works • illumitex
12	Supply, Installation, Testing & Commissioning of Wiring for Direct Points Using PVC Insulated Finolex 2.5 sqmm 3Core FRLS Cu. Cond. cable for 2 sockets/box ; 30 No. Core FRLS Cu. Cond. cable for 2 sockets/box ; starting from the supplied MCB Box/Panel, having 10A SP MCBs, to the Lighting bars/tree or stage points ; terminated at junction box with 2 x SHUCKO 16 Amp. Sockets/per point (all points to be marked & numbered)	85	Pts			<ul style="list-style-type: none"> • Finolex • Pollycab • Havells

SR.NO.	SCOPE OF WORKS	AMOUNT
1	AUDITORIUM ACOUSTICS	
2	AUDITORIUM STAGE FURNISHING	
3	AUDIO SYSTEM	
4	PROJECTION SYSTEM	
5	AUDITORIUM CHAIRS	
6	STAGE EFFECT LIGHTS	
7	AUDITORIUM ILLUMINATION	
Total		

(Price bid to be download and uploaded in the prescribed Excel Format available on the system only)

You can also upload the above price bid in PDF format in cover two point #Additional documents related to price bids.

