

Notice Inviting Tender



Management Development Institute -Gurgaon

Tender Ref. No.: MDIG/CC/2024-25/AV-NAB-GH/09

Tender Date: 24.08.24

Sub: Invitation of sealed quotations from reputed manufacturers or their authorized representatives for AV at New Academic Block and Hostel (s).

Tender Schedule: -

Bid System	Two Bid System Financial Bid to be submitted in separate sealed envelope. Rest of the documents along with EMD to be submitted in separate sealed envelope as Technical Bid Both sealed envelopes of Technical and Financial Bid should be first sealed separately and then be placed in a single sealed bigger envelop superscribed "Bid for AV Systems at New Academic Block and Hostel (s)"
Last Date of Bid Submission	17.09.24 2:30 PM
Online Pre-bid meeting	03.09.24 3:00 PM Register for the Online Pre-Bid meeting by expressing intent to join online meeting by sending email to ittender@mdi.ac.in latest by 02.09.24 3:00 PM. Online meeting link will be shared with all those who register.
For any correction after Pre-bid meeting, the Addendum will be communicated on or after	On or after 03.09.24
Bid should be addressed to	Senior Systems Analyst Computer Centre Management Development Institute Mehrauli Road, Sukhrali Gurgaon - 122 007, Haryana (INDIA)
EMD	EMD of Rs. 15,00,000/- (Fifteen Lakhs) through Demand Draft from any scheduled bank in favor of Management Development Institute Society payable at Gurugram, Haryana.

The Complete Tender details and any updates on the Tender will be available on the MDI Website at the link: <https://mdi.ac.in/infrastructure/tenders.html>

For any clarifications, write to Email- ittender@mdi.ac.in

The notice inviting bid along with instructions to bidders, Scope of Work, eligibility criteria, system of award of contract, etc. form part of the bid document containing 45 pages in all.

Sd/- For MDI-Gurgaon
(Senior Systems Analyst)

Checklist & Index for your bid

To help you prepare the best application possible, all items below need to be considered and ticked off. This will also assist us with assessment of your application.

During bid Submission, please keep this page after the cover page.

Checklist and Index of the required documents in the Order indicated Below S.No. 1 to 10 would be part of Technical bid (sealed in separate envelope earmarked 'Technical Bid'). S.No.11 would be part of Financial bid (sealed in separate envelope earmarked 'Financial Bid')

S. No.	Document to be Attached	Whether Submitted	Mention Page Number
1.	Format-1 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
2.	Format-2 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
3.	Format-3 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
4.	Format-4 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
5.	The tender document with all addendums (if any) signed & stamped in each page.	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
6.	Copy of GST / PAN No.	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
7.	Affidavit as per format in Format-5	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
8.	Whether agree to the scope of project including the specifications of items given in Section E.	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
9.	Warranty Declaration on company letter head	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
10.	Valid MAF from OEM for all products quoted (Mention OEMs)	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
11.	Financial Bid (Format-6) (To be submitted in separate sealed envelope)	Yes <input type="checkbox"/> / No <input type="checkbox"/>	

Section A

General Terms and Conditions: -

1. The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the bid process.
2. All documentation is required to be in English. Corrections/overwriting, if unavoidable, should be signed separately. Tender papers must be signed on all the pages by the tenderer.
3. The bid (including Financial Bid) should be valid for at least 180 Days from the date of submission of the bid. Institute will not entertain any request in respect of escalation of price due to any reason whatsoever.
4. All items are required to be quoted in INR for delivery and installation at MDI Gurgaon premises. All prices shall be fixed and shall not be subject to escalation of any description. The rates must be quoted as per the Financial bid format provided in Tender. (Format-6)
5. The Bid must be strictly as per tender specifications/conditions. If not, deviations must be spelt out specifically. In the absence of this, the bid may be rejected. Deviation on lower side of specifications will not be considered. No deviations in terms & conditions of the tender document will be accepted in any case.
6. Incomplete bids or receiving the bid after closing date and time are liable to be ignored and rejected.
7. The Institute will not be responsible for non-receipt of tender quotations within the specified date and time due to any reason including postal delay or holidays.
8. Please ensure that Tender document must be signed and stamped on all pages as a token of acceptance of all the terms and conditions. Bidder shall sign all pages of the bid document including all enclosures etc forwarded with the bid.
9. The bidder must quote for all the items as mentioned in the Section E. The bidder not quoting all the items of Section E will be summarily rejected.
10. Institute may seek any clarification on the bid and ask for documentary submissions as proof of the claims by bidder. The decision in this regard shall be taken by the concerned committee and this decision shall be binding on the bidder.
11. No quotations would be accepted by E-mail and only hard copies will be accepted.
12. The tender documents are non-transferable and should be submitted in the exclusive name of the party to whom we will actually provide the Purchase order.
13. **Sub-contract is not allowed.** The selected bidder(s) should not assign or sublet the work order or any part of it to any other agency in any form. Any such eventuality shall result in termination of purchase order and forfeiture of EMD of the bidder.
14. The bid should be submitted on company letter head and should be submitted duly signed by the authorized person.
15. Tender once submitted shall not be returned to the tenderer in future.
16. The bidders will have to arrange for all the testing equipment and tools required for installation, testing, maintenance etc.
17. The Institute will have the right to reject the components/equipment supplied if it does not comply with the specifications at any point of installation/ inspection and also, if they are not conforming to the specifications and other conditions.
18. The Institute reserves the right not to disclose names and rates of successful tenderers.
19. The bidder must give clause-by-clause compliance of the scope, technical specifications

- of the items, and terms & conditions mentioned in the tender document.
20. Conditional bid/ offer shall not be accepted on any ground and shall be rejected summarily.
 21. Institute shall have the right to inspect or to test the items to confirm their conformity to the ordered specifications. The supplier shall provide all reasonable facilities and assistance to the concerned Institute official at no charge to MDI Gurgaon. In case any inspected or tested goods fail to conform to the specifications, Institute may reject them and supplier shall replace the rejected goods with the goods in conformity with the specification required free of cost to MDI Gurgaon. Any delay due to above shall attract relevant penalty clauses of the tender.
 22. For any other query relating to the tender, the bidders may write to- ittender@mdi.ac.in
 23. Each bid must be submitted with Earnest Money Deposit of RS. 15,00,000 (Rupees Fifteen Lakhs) in the form of Demand Draft/ Pay Order in the name of "Management Development Institute Society".
 24. EMD is liable to be forfeited and bid is liable to be rejected, if the bidder withdraw or amends, impairs or derogates from the tender in any respect within the period of validity of the tender.
 25. The earnest money of all the unsuccessful bidders will be returned after placement of order on the selected vendor. EMD submitted will be returned as it is. In case of EMD in the form of DD/Pay order, No interest will be payable by MDI Gurgaon on the Earnest Money Deposit.
 26. MDI may, at its discretion, extend the date for submission and/or opening of the bid.
 27. If work is awarded and service not commenced by the vendor within scheduled time as mentioned in this tender document, then EMD amount may be forfeited or liquidated damages may be enforced or both forfeiture of EMD and liquidated damages may be enforced which will be discretion of competent authority of MDI-Gurgaon.
 28. Only those vendors should quote who can satisfy the scope of work and other requirements of MDI as stated in Section E.
 29. Tenderers should note that the work is to be executed under the existing site conditions while quoting their rates, terms and conditions. The tenderers may visit the site to get fully acquainted with the site conditions. No compensation/claims in regard to site conditions /constraints /rules and regulations etc shall be entertained.
 30. The delivery of items and Implementation of Project including testing and commissioning of the whole system should be completed within 8-10 weeks from day of the commencement of the work.

31. Delivery, Installation, Commissioning:

The item delivery and project installation & commissioning should be completed in all respects within 8-10 weeks from the receipt of purchase order. The project will end only when all aspects of the project are working satisfactorily as per MDI-Gurgaon expectation and all warranty related work commenced.

32. Liquidated Damages: -

In the event of failure to comply with the stipulated time schedule for completion of the project due to fault of vendor, MDI-Gurgaon will have the right to recover from the contractor towards Liquidated Damages for delay, to the extent of 2% of the cost of unfinished portion of work per week or part thereof subject to a maximum of 10% of the total contract value.

33. Termination of contract-

- a. If performance of the vendor is not satisfactory in executing the project or the intermittent problems come up after commencement of the new AV System within

warranty period, then same will be informed in writing by MDI as warning letter and if inspite of issue of warning letter the performance does not improve to the satisfactorily level as per expectation of MDI within a fortnight then second warning letter will be issued.

- b. If after issue of second warning letter also performance doesn't satisfy MDI expectation, then Institute reserves the right to terminate the work order prematurely by giving one-month notice in writing without assigning any further reason whatsoever.
- c. After the contract comes null and void the amount deemed payable to the vendor (if any) will sine die without any further payment. No further claim from the vendor will be entertained.
- d. After the contract comes to an end the vendor will withdraw their service/equipment from MDI-G premise within a month.
- e. The purchase order / empanelment can be terminated by giving one month written notice to the bidder, without any compensation to the bidder, if the bidder becomes bankrupt or otherwise insolvent.
- f. Decision of competent authority of MDI regarding determining the performance will be final.

34. Care of Work

From the commencement to the completion of the works, the bidder should ensure to take full responsibility for the care thereof and of all temporary works and in case any damages loss or injury happens to the works or to any part thereof or to any temporary works due to lack of precaution or negligence on the part of Bidder, the loss shall be made good at its own cost.

35. Damage to Person and Property

The bidder shall, indemnify and keep indemnified the Institute against all losses and claims for injuries or damage to any person or property arising out of or in consequence of the installation and maintenance of the works by them and against all claims demands, proceedings, damages, loss, charges and excesses whatsoever in respect of or in relation thereof.

36. DEFECT LIABILITY PERIOD

The bidder shall arrange for maintenance during the period of warranty from the date/dates of commissioning of equipment with regard to rectification/removal of defects if any observed during this period. If the bidder does not arrange to rectify the defects observed during the maintenance period within a reasonable time, the Institute shall be at liberty to get such defects rectified at the cost and risk of the bidder.

37. Schedule Chart

At the outset of the works, the bidder will submit a Time schedule chart bringing out completion of various activities in the project for approval of Tenderer. Thereafter, the bidder will submit weekly implementation progress for the assigned project. While getting the project executed, apart from adherence to time schedule the bidder shall strictly adhere to quality norms applicable. In case of delay of the project and/or non-adherence to the norms as set in the tender, suitable penalty clauses as per tender will be attracted. The Project team (Senior Technical persons and Project Manager) as mentioned in the technical document

matrix should be available on MDI Gurgaon Campus during the Installation, Commissioning and testing phase for at least 20 hours spread across 3 days per work week. Critical date for project completion (SITC and handing over): 31.03.2025

38. Format of Price Schedule and related terms:

- a. **Price must be quoted in Indian Rupees.** Prices should be quoted as per the enclosed format both in figures and words. **The rates offered should be inclusive of all proposed work and comprehensive in nature.**
- b. The charges quoted shall be kept firm throughout the pendency of contract of this work and no price escalation shall be entertained.
- c. Any additional service required for successful completion of this project and not quoted in the financial bid by the tenderer then same shall have to be provided by contractor at no extra cost if the work is awarded to the tenderer.

39. Payment Terms:

- a. **70 percent of payment** of total Purchase Order value after successful supply of items required for project and generation of the invoice for the same.
- b. **25 percent of payment** of total Purchase Order value after generation of invoice post successful delivery, installation & commissioning of the project, handing over of warranty related papers of hardware and initiation of warranty period if vendor performed satisfactorily.
- c. **Rest 5 percent of Purchase Order Value** will be retained as security deposit. The amount will be refunded after the initial warranty & service period of three years is over, only if the project is executed satisfactorily as well as service under standard warranty service period of three years are conducted satisfactorily as per MDI expectation. If contract with vendor during execution of project or during warranty period is terminated prematurely by vendor or service rendered was not satisfactory as per MDI expectations, then security deposit amount will be forfeited.
- d. AMC would be paid quarterly
- e. EMD of successful bidder would be released at the time of 1st payment without any interest.

40. Cancellation of Tender

This tender document is not an offer and is issued with no commitment. The Institute is not bound to select bid(s) and it reserves the right without assigning any reason to

- a. accept or reject any bid
- b. cancel the bidding process or any bid wholly or partly
- c. withdraw this notice inviting tender and or vary any part thereof at any stage.
- d. modify/relax any of the terms & conditions of the tender by declaring / publishing such amendments on the website of MDI Gurgaon (mdi.ac.in).
- e. issue another tender for identical or similar items
- f. abandon the procurement process.

41. Any dispute/ difference arising out or relating to this Tender:

- a. Matters regarding any dispute shall be referred for arbitration to any officer appointed by the Director of Management Development Institute Gurgaon, whose decision shall be binding and final. Even after arbitration if any questions, disputes and/or differences arises under and out of, or in connection with the contract, if concluded, shall be referred to the High Court of Haryana or any other court in the district of Gurugram (Haryana).
- b. MDI further reserves the right to disqualify any bidder, should it be so necessary at

any stage. Institute reserves the right to reject any or all the tenders, wholly or partly without assigning any reason thereof and shall not be bound to accept the lowest tender. Institute reserves the right for distributing the work among several vendors.

42. Warranty/AMC

- a. **Onsite warranty** will comprise of back-to-back support from the successful bidder(s). The successful bidder(s) shall furnish the documents from OEM confirming back-to-back support at the time of acceptance of PO. In case the documents are not submitted, the EMD submitted by the bidder to shall be forfeited.
- b. Onsite Warranty services shall be provided at MDI Gurgaon.
- c. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts free software upgrades/updates/renewals. Also, the warranty shall cover all type of subscription charges/ license cost associated with any supplied item. The defects, if any shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours.
- d. The comprehensive warranty shall be for a minimum period of three years from the date of acceptance of the equipment by MDI Gurgaon.

43. Service Level Agreements

- a. After SITC of project & acceptance, during warranty, the vendor(s) shall be responsible for minimum uptime of 99% on 24x7 basis of the equipment as a whole as per SLA. The uptime will be calculated over a period of six (06) month time frame.
- b. (ii) The permissible downtime will further be subject to maximum downtime of 24 hours at a stretch at any instance. In case the same exceeds 24 hours at a stretch then penalty clause will be enforced. The same penalty clause will also be enforced in case the downtime exceeds the permissible total downtime as stated above.
- c. In case the device location is inaccessible or for some reason due to no fault of the successful bidder, the downtime cannot be rectified, a communication from the Institute not to deduct the downtime would be required for calculation of penalty.

44. Penalty Clause

- a. For critical components impacting several users Institute would deduct Rs. 1000/- per hour of downtime from the due payments or recovered from 15% hold payment as the case may be for every 1 hours of down time at a stretch or in part up to total down time of 10 hours. This down time shall be calculated over and above the total hours of downtime permissible. Beyond 10 hours of down time, Institute would deduct Rs. 3000/- per hour from the due payments or recovered from 15% hold payment as the case may be for every 1 hour of down time at stretch or in parts.
- b. For noncritical components impacting individual user(s), Institute would deduct Rs. 200/- per hour of downtime from the due payments or recovered from 15% hold payment at a stretch or in part up to total down time of 10 hours. This down time shall be calculated over and above the total hours of downtime permissible. Beyond 10 hours of down time, MDI G may deduct Rs. 500/- per hour from the due payments or recovered from 15% hold payment as the case may be for every 1 hour of down time at stretch or in parts.

- c. In any case, if the equipment is not made operational for 08 days from the time of reporting of fault, the 15% hold payment by the vendor(s) to MDI shall be forfeited. Any payments (payable to vendor) shall not be paid & will be adjusted as penalty. This will be deemed to be an event of default and MDI Gurgaon may terminate the contract as per the applicable terms of tender.

45. Delivery Period:

- a. The successful bidder(s) have to complete the delivery (installation, commissioning, testing & acceptance of the all ordered items as per the scope of work within 12 weeks from the date of respective purchase orders.
 - b. The items will be delivered at MDI Gurgaon. No separate charges shall be paid toward transportation, freight, cartage, delivery etc. All expenses involved in shipping and delivering the items to MDI Gurgaon will be borne by the bidder.
46. The bidders are expected to examine all instructions, forms, terms& conditions, other details in the tender document carefully. Failure to furnish complete information as asked in the tender document or submission of a proposal not substantially responsive to the tender documents in every respect will be at the Bidder's risk and may result in rejection of the proposal.

47. Indemnity

- a. The selected bidder shall indemnify the Institute against all third-party claims of infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied items and related services or any part thereof.
- b. Institute stand indemnified from any claims that the bidder's manpower may opt to have towards the discharge of their duties in the fulfillment of the purchase orders.
- c. Institute also stand indemnified from any compensation arising out of accidental loss of life or injury sustained by the bidder's manpower while discharging their duty towards fulfillment of the purchase orders.
- d. The bidder shall solely responsible for any damage, loss or injury which may occur to any property or to any person by or arising out the execution of the works or temporary works otherwise than due to the matters referred to in this tender hereinbefore.
- e. The bidder would ensure for observance of all labor and other laws applicable in the matter and shall indemnify and keep indemnified the Institute against the effect of nonobservance of any such laws.

48. Force Majeure:

- a. Force Majeure is herein defined as any cause, which is beyond the control of the selected Bidder or the Institute as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the Contract, such as:
- b. Natural phenomena, including but not limited to floods, droughts, earthquakes, epidemics; Acts of any Government, including but not limited to war, declared or undeclared, priorities, quarantines, embargoes; Terrorist attacks, public unrest in work area Restriction, Freight Embargo; provided either party shall within ten (10) days from the occurrence of such a cause notify the other in writing of such causes.

The Bidder or the Institute shall not be liable for delay in performing his/her obligations resulting from any Force Majeure cause as referred to and/or defined above.

49. Rates quoted by the bidder shall be final and no negotiation will be held. However, it would be subject to the discretion of the Competent Authority of MDI Gurgaon.
50. If selected bidder fails to accept order, his/her bid will be treated as cancelled and EMD would be forfeited.
51. Any conditions mentioned in their tender bids by the bidders which are not in conformity to the conditions set forth in the tender will not be accepted by the Institute. All the terms and conditions for the supply, testing and acceptance, payment terms penalty etc. will be as those mentioned herein and no change in the terms and conditions set by the bidders will be acceptable.
52. Institute reserves the right to modify and amend any of the above-stipulated condition/criterion depending upon Project priorities vis-a-vis urgent commitments.
53. Keeping in view the existing Digital Infrastructure that would be integrated with Digital Infrastructure of new buildings, MDI Gurgaon reserves the right and has evolved a super-set of technically qualified accepted systems and subsystem, items of their brands and models for the entire range of systems detailed in the Section E of this tender, so as to take care of the integration with existing infrastructure and 3-year service delivery related aspects of entire AV infrastructure.
54. The bidder should not assign its contractual obligations either in whole or in part of the work order to any other agency in any form. Any such eventuality may result in termination of contract and forfeiture of EMD of such bidder.
55. Laws of the Republic of India are applicable to this tender.
56. This Tender document is not transferrable. Bidders are advised to study the tender document carefully. Submission of bid shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications. The response to this tender should be full and complete in all respects. Incomplete or partial bids shall be rejected. Bidders shall bear all costs associated with the preparation and submission of the bid, including cost of presentation and demonstration for the purposes of clarification of the bid, if so desired by Institute. Institute shall in no event be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

57. Buy back of old devices

- a. Tenderers should note that the old devices under buy back are being offered on AS-IS-WHERE-IS basis while quoting the buyback rates.
- b. The bidders are advised to visit MDI Campus to inspect state of old devices. Please contact Shri Pranav Kumar (Phone 0124-4560281) for inspection of old devices. No compensation/claims at a later stage shall be entertained.
- c. Quantity of buy-back may vary. The discretion to utilize buy back remain with MDI.
- d. Refer Section E for brief details of items under buy back.

58. Responses to Pre-Submission queries & issue of Addendum-

- a. After publication of NIT in tender page of MDI website, MDI will begin accepting written questions from the applicants for pre-bid meeting. MDI will endeavor to provide timely response to all queries. However, MDI makes no representation or warranty as to the completeness or accuracy of any response made in good faith, nor does MDI undertake to answer all the queries that have been posed by the applicants. For any clarifications, write to Email- ittender@mdi.ac.in .
 - b. A Prebid meeting will be held on the date and time indicated in the tender document. Bidders are requested to attend a Prebid meeting for clarification on the Tenders' technical specifications and commercial conditions. Participation in such a Prebid meeting is not mandatory. If a bidder does not participate or submit any query, then no subsequent representations from them regarding the Technical/ commercial specifications/ conditions shall be entertained.
 - c. At any time prior to the last date for receipt of tender, MDI may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective applicant, modify the NIT document by an addendum.
 - d. The addendum (if any) shall be posted online at <https://mdi.ac.in/infrastructure/tenders.html>.
 - e. Any such addendum shall be deemed to be incorporated into this NIT.
 - f. In order to provide prospective applicants reasonable time for taking the addendum into account, MDI may, at its discretion, extend the last date for the receipt of bids which shall again be notified online through MDI portal www.mdi.ac.in
59. **Definition of Similar Work/ Project:** Supply, installation Testing and Commissioning of Digital Infrastructure consisting of AV (Digital Podium, Projector, Digital Screens, Audio Visual equipment, Speakers etc) executed in last five years.

Declaration: -

I/We do hereby confirm that I/We have the necessary authority and approval to submit this bid for implementation *AV Systems for New Academic Block and Hostel* as per the terms & conditions mentioned above and also, hereby, agree and accepts the terms & conditions mentioned in General Terms and conditions.

Date :-

(Signature)

Place:-

(Name of Authorized Signatory)

(Designation of Authorized Signatory)

(Name of Vendor)

Section – B

Bid Rejection Criteria, Minimum Qualification Criteria and Other specific requirements from OEMs

A. Bid Rejection Criteria:

1. The bidder should submit authorization from all OEMs to bid against this tender specifically without which bid shall be rejected.
2. Bids without EMD would be rejected.
3. Bids not received within the specified due date and time are liable to be rejected.
4. Bids without Profile and declaration on company's letterhead would be rejected.
5. Bidder should have average turnover of Rs. 15 Crore in the last three financial years. (FY 2020-21, 2021-22, 2022-23) The Bidder has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years. (FY 2020-21, 2021-22, 2022-23). Bidders are required to submit attested audited copies of bidders' annual report for the mentioned years along with Certificate from practicing CA on his letter head confirming the turnover, profitability, positive networth for the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23)
6. Bidder should have experience of successfully executing similar projects in the last five years.
7. The bidder should not have been barred/ blacklisted by any Central/ State Government departments/ Organizations/ PSUs/ University/ Institute. Declaration On Non-Judicial Stamp Paper of Rs. 10/- as per format given in Format-5
8. Not submitting copy of GST & PAN registration certificate.
9. If financial bid is submitted along with technical bid and not submitted separately in sealed envelope.
10. If warranty declaration in company letter head not submitted.
11. The bidder should quote for all the items mentioned in the tender, failing which, their bid will be rejected.
12. The bidder should have an office in Delhi NCR manned with their own qualified support staff/Engineer with their Customer Support Number (Details to be provided)
13. The Bidders are requested to furnish documents to establish their eligibility for each of the clauses. Relevant portions, in the documents submitted in pursuance of eligibility criterion mentioned in the tender, may be highlighted. If the tender is not accompanied by all the documents mentioned, the same would be rejected.
14. Upon verification, evaluation / assessment, if in case any information including all documents furnished by the Bidder is found to be false / incorrect, their bid shall be summarily rejected, their EMD shall be forfeited and no correspondence on the same shall be entertained
15. Not having minimum qualification criteria mentioned in the Tender.

B. Minimum Qualification Criteria:

Following will be the minimum pre-qualification criteria. Each eligible bidder should possess all the following pre-qualification criteria. Responses not meeting the minimum pre-qualification criteria will be rejected and will not be evaluated.

S. No.	Pre-qualification Criteria	Supporting Compliance document
1.	The applicant shall be a firm/ company registered under the Indian Companies Act, 2013 with their registered office in India for at least last five years and who have their registered offices in India and (office in National Capital Region of Delhi will be preferred)	Copy of Certificate of incorporation or any other relevant documents attested by Company Secretary/ Authorized Signatory, brief company profile with copy of GST & PAN.
2.	The firm should be in the business of providing similar services for at least 05 years as on 31.03.2021.	(Copy of purchase Order Submitted as proof as per Bid Rejection Criteria Clause e.
3.	The Bidder has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23)	Attach certificate from CA or any other relevant certificate.
4.	The Bidder should have an average annual turnover of Rupees 15 Crore in the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23).	submit attested audited copies of bidders' annual report for the mentioned years along with Certificate from practicing CA on his letter head confirming the turnover, profitability, positive net worth for the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23) Practicing CA certified document with name of CA registration number, signature and stamp or any other relevant certificate.
5.	Bidder should have experience of successfully executing similar projects in the last five years and must enclose relevant copies of scope of work, deliverables, time period of execution, project value and work completion certificate from client for at least one similar project of value not less than Rs. 10 Crores or two similar projects of value not less than Rs. 07 Crores or three projects of value not less than Rs. 04 crores. (Copy of purchase Order Submitted as proof)	Copy of Work Order / Contract along with Completion Certificate to be attached as proof.
6.	Names & addresses of prestigious clients (at least three) along with their contact details (telephone number/E-mail) of the contact persons of the clients of recent past if available.	1. 2. 3.

7.	The bidder should have ISO 9001:2008 or equivalent, ISO 27001 or equivalent certifications. Attach relevant documentary proof.	
8.	The firm should not be blacklisted by any Central Govt. / State Govt. / PSU/Govt. Bodies/ IITs & IIMs/Reputed Educational Institutes in India.	Affidavit on Non-Judicial Stamp Paper as per format in Format-5 to be submitted
9.	Warranty and Support All products should be quoted with at least 3-year onsite warranty The Vendor shall provide comprehensive Support for all the equipment's listed in the document for a period of 3 years.	Declaration in this regard to be submitted in company letterhead.
10.	Undertaking to be submitted that <ul style="list-style-type: none"> • The products being quoted would not be declared end-of-sale for the next 1 year from the last date of bid submission of this tender document. • The support including spares, patches, upgrades/ updates for the quoted items shall be available for the next 5 years from the date of successful installation, testing and commissioning of the system • All active equipment has a life-time of at least 5 years as per the industry practices adopted 	
11.	Bidder should give following unconditional compliance & undertaking for all equipment/ services/ software that would be procured and installed. <i>"All the equipment & devices will be properly configured. There will not be any vulnerability left in the equipment".</i>	Submit undertaking on letter head signed by authorized signatory
12.	All offered products, software & components should support seamless inter-operability among them. There should be no compatibility issue among the supplied products, software & components etc. All offered products, software & components should be as per Govt. of India guidelines and standards where ever applicable. An undertaking to this effect should be submitted by the bidder.	Submit undertaking on letter head signed by authorized signatory

C. Other specific requirements from OEMs

1. All replacements should be directly done by OEM. OEM should submit the advanced replacement methodology (h/w will be replaced in advance)
2. OEMs should have Technical support Centre and should have Toll Free Number to support the equipment. OEM(s) should have direct presence with their office in India manned with engineers for minimum of last 3 years. Relevant documentary proof should be submitted.
3. All products should be quoted with at least 3-year warranty with next day business support.
4. OEM should have a dedicated call-center number to log the calls and should submit escalation matrix on their letterhead.

Section C

Evaluation Procedure and Selection of Bidder

A. Evaluation Procedure and Selection

- The evaluation process of the tender proposed to be adopted by the Institute is indicative only and to provide the Bidders an idea of the evaluation process that the Institute may adopt. However, the Institute reserves the right to modify the evaluation process at any time during the Tender process, without assigning any reason, whatsoever, and without any requirement of intimating the Bidders of any such change.
- When deemed necessary, during the evaluation process, the Institute may seek clarifications on any aspect from any or all the Bidders. However, that would not entitle the Bidder to change or cause any change in the substance of the tender submitted or price quoted.
- Bidders will be technically qualified based on Information/documents provided by the Bidder on the basis of eligibility criteria of the tender. The bids conforming to the eligibility criteria and the products quoted by them meeting the specifications given in the Tender will only be considered for further evaluation.
- The shortlisted eligible bidders would be asked for detailed technical presentation/discussion on the proposed solution offered in the bid. Technical presentation is mandatory. Failure to give presentation would result in disqualification of the bid.
- In their own interest the bidders are advised to ensure that the goods/equipment quoted by them should conform to all tendered technical parameters/ specifications and are functional. Goods/Equipment quoted and not meeting complete tender specifications will not be considered for evaluation.
- For the evaluation purpose, Institute reserves the right to visit at a short notice to any similarly implemented site as claimed by the bidder.
- MDI decision will be final for the evaluation of Technical Bids and is binding on all bidders.

B. Procedure for Evaluation of Responsive Technical Bids and awarding Technical Score:

- Bidders will be technically qualified based on Information/documents provided and Technical presentation done by the Bidder.
- Only those Technical Bids that are found compliant/suitable after technical evaluation done by MDI will be called for Technical presentation.

C. Tentative Parameters for Technical Evaluation:

S.No.	Description	
1.	EMD of Rs. 15,00,000	Mandatory
2.	MAF Authorization from all AV OEM	Mandatory
3.	Average Turnover of Rs. 15 Crores in the last three financial years. (2020-21, 2021-22, 2022-23)	
4.	Should be profitable and should not have incurred loss in any of the last	

	3 consecutive Financial Years. (2020-21, 2021-22, 2022-23).	
5.	Experience of executing similar projects	Mandatory
6.	Office in Delhi NCR with their own qualified support staff/Engineer with their Customer Support Number	Mandatory
7.	The bidder should have ISO 9001:2008 or equivalent, ISO 27001 or equivalent certifications	Mandatory
8.	All products should be quoted with at least 3-year warranty from OEM with next day business support	Mandatory
9.	Submission of Format-5 Non-Judicial Stamp Paper (Rs. 10/-)	Mandatory
10.	Profile of Company & number of years in Business Max Score: 10	2 marks for each year in operation for every year beyond minimum requirement of 5 years of operation in similar lines
11.	<p>Qualification and experience of technical experts:</p> <ul style="list-style-type: none"> • Project manager: highly skilled in project management PMP certified and experienced in AV infrastructure implementation (5pts). • Minimum of 3 technical engineers/experts. Highly skilled, experienced in ICT infrastructure implementation. (5 pts) <p>Important Note: Attach relevant certificates of the project manager as mandatory and technical experts (CV and credentials) Submit Technical Document giving Team structure and responsibility matrix for the MDI AV Project.</p>	Max Marks: 10
12.	No. of AV projects Executed (including all equipment as per specifications in Section E) supplied & Installed in any Institute/ University/ PSU/ Government/ Corporate Max Score: 40	<p>10 marks for each project with value of Rs. 10 Crores or more</p> <p>07 marks for each project with Value in the range Rs. 07 Crores - Rs 10 Crores</p> <p>05 marks for each project with Value in the range Rs. 04 Crores – Rs 07</p>

		Crores 03 marks for each project with Value in the range Rs. 02 Crores – Rs 04 Crores
	Presentation Total Score: 40	
	Total Technical Score: 100	
Points in S.No. 1 and 2 would be given only on the basis of documents submitted as part of technical bids. The Purchase Order and Completion certificate must be attached to score Points in these categories.		

- Minimum Technical Score required for opening of Financial Bid: **70 Points**.
- MDI decision will be final for the evaluation of Technical Bids and binding on all bidders.
- The qualified bidder would be identified after considering both the Technical Bid and the presentation.

The Financial Bids of only the technically qualified Bidders scoring 70 points and above would be opened.

D. Procedure for Selecting the bidder

The work shall be awarded to the L1 bidder from among the technically qualified bids.

E. System of award of contract:

- a. The vendor who satisfies the qualification criteria and offering lowest rate (As per Financial bid format provided in Format-6) would be selected.
- b. Also, during commercial evaluation of the price bid, Institute reserves the right to correct any of the arithmetical and/or tax rate errors in the bidders' price bid subject to the condition that in no circumstances Institute will be liable to pay any higher value against the Grand Total Value quoted by the L1 bidder. Unit rates will be taken as the base for making arithmetical corrections. The lower of the Grand Total Value or arithmetically corrected value would be considered.
- c. In exceptional situation, the committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract.

Section D

Formats

FORMAT – 1

(To be submitted on Letter Head)

S. No	Organizational Contact Details	
1.	Name of Organization	
2.	Year of establishment	
3.	Number of employees	
4.	Main areas of business	
5.	Type of Organization Firm/ Company/ registered under the Indian Companies Act, 2013	
6.	Whether the firm has been blacklisted by any Central Govt. / State Govt./PSU/ Govt. Bodies / Autonomous bodies/ IITs & IIMs/Reputed Educational Institutes in India. If yes, details to be provided. If No, attach Undertaking in regards to not being blacklisted.	
7.	Address of registered office with telephone no. & E-mail	
8.	Address of offices - in National Capital Region of Delhi if any	
9.	Authorized Contact Person with telephone no. & E-mail ID	
10.	Annual turnover in each of the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23).	
11.	Profit earned in the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022- 23)	
12.	Experience of executing similar works in last five years (Attach work order copy and completion certificate)	Project Value: Rs. 13 Crore 1. Project Value: Rs. 09 Crore to Rs. 13 Crore 1. 2. Project Value: Rs. 07 Crore to Rs. 09 Crore 1. 2. 3.
13.	Names & addresses of prestigious clients (at least three) along with their contact details (telephone number/E-mail) of the contact	1. 2. 3.

	persons of the clients of recent past.	
14.	Whether ISO 9001:2008 or equivalent, ISO 27001 or equivalent certifications. Attach relevant documentary proof.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
15.	Agree to Warranty & Support All products should be quoted with at least 3-year warranty from OEM with next day business support. The Vendor shall provide comprehensive Support for all the equipment's listed in the document for a period of 3 years.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
16.	Undertaking1 submitted on letter head signed by authorized signatory <ul style="list-style-type: none"> • The products being quoted would not be declared end-of-sale for the next 1 year from the last date of bid submission of this tender document. • The support including spares, patches, upgrades/ updates for the quoted items shall be available for the next 5 years from the date of successful installation, testing and commissioning of the system All active equipment has a life-time of at least 5 years as per the industry practices adopted	Yes <input type="checkbox"/> / No <input type="checkbox"/>
17.	Undertaking2 submitted on letter head signed by authorized signatory Following unconditional compliance & undertaking for all equipment/ services/ software that would be procured and installed. <i>"All the equipment & devices will be properly configured. There will not be any vulnerability left in the equipment"</i> .	Yes <input type="checkbox"/> / No <input type="checkbox"/>
18.	Undertaking 3 submitted on letterhead signed by authorized signatory All offered products, software & components should support seamless inter-operability among them. There should be no compatibility issue among the supplied products, software & components etc. All offered products, software & components should be as per Govt. of India Guidelines and standards where ever applicable. An undertaking to this effect should be submitted by the bidder.	Yes <input type="checkbox"/> / No <input type="checkbox"/>

19.	OEM Authorization (tender specific MAF from all products)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
20.	OEM Specific requirements documentation submitted as indicated in the Bid Rejection Criteria and Minimum Qualification Criteria	Yes <input type="checkbox"/> / No <input type="checkbox"/>
21.	Agree to Scope of Work, technical specifications as per Section E (To be submitted on letter head signed and stamped)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
22.	<p>Agree to Payment Terms</p> <p>a. 70 percent of payment of total Purchase Order value after successful supply of items required for project and generation of the invoice for the same.</p> <p>b. 25 percent of payment of total Purchase Order value after generation of invoice post successful delivery, installation & commissioning of the project, handing over of warranty related papers of hardware and initiation of warranty period if vendor performed satisfactorily.</p> <p>c. Rest 5 percent of Purchase Order Value will be retained as security deposit. The amount will be refunded after the initial warranty & service period of three years is over, only if the project is executed satisfactorily as well as service under standard warranty service period of three years are conducted satisfactorily as per MDI expectation. If contract with vendor during execution of project or during warranty period is terminated prematurely by vendor or service rendered was not satisfactory as per MDI expectations, then security deposit amount will be forfeited.</p>	Yes <input type="checkbox"/> / No <input type="checkbox"/>
23.	Delivery period (please mention)	_____ Weeks
24.	Installation period (please mention)	_____ Weeks

Enclose: -

1. All documentary proofs for all the above points and place them in same serial order in the technical bid.

Signature of the Applicant

Full name of the applicant

Stamp & Date

Note: This is to be furnished on the letter head of the bidder.

FORMAT – 2

(To be submitted on Letter Head)

Experience of implementing similar works within last 5 years

Add a row for Each Client

Minimum three required

S .No.	Client Name (Higher Education Institute / University/ Govt. / PSU/ Others)	Size of the Project (No. of Smart Classrooms/ Digital Podium/ Projector etc same order)	Value of the Project	meter of Fiber Optical Cable installed	Client Contact No.	Client Email ID	Work Order Copy / Completion Certificate Attached
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>

Encl: Documentary Proof to be attached

Signature of the applicant Full name of applicant
Stamp & Date

FORMAT – 3

(Certificate from Practicing CA on his letterhead)

Financial Strength of the Organization				
S. No	Financial Year	Whether profitable (Yes/NO)	Annual net profit (in Lakhs of Rs.)	Overall annual turnover (in Lakhs of Rs.)
1	2020-21			
2	2021-22			
3	2022-23			
Note: Please enclose annual report				

Signature of the applicant

Full name of applicant

Stamp & Date

Encl: As above.

Format-4

(To be submitted on Letter Head)

Details of technical and administrative personnel to be deployed for this project
(Attach One Page CV of each person to be deployed for the project)

S. No.	Designation	No. of employees in this category	Name of person deployed for project	His/ Her Qualification	His/ Her Professional Exp.	Capacity in which employee would be involved in the work
						Project Manager
						Technical Engineer/ Expert
						Technical Engineer/ Expert
						Technical Engineer/ Expert

Format-5

(DECLARATION ON NON-JUDICIAL STAMP PAPER OF RS. 10/-)

I/we _____ Partner(s)/legal Attorney/ Proprietor(s)/
Accredited Representative(s) of
M/s _____ solemnly declare that:

2. I/we are submitting tender for ----- against Tender Notice
No. _____ dated _____.

3. All information furnished by me/us in respect of fulfillment of eligibility criteria and information given in this tender is complete, correct and true. All documents/credentials submitted along with this tender are genuine, true and valid.

4. My/our bid shall remain valid for a period of 180 days from the last date fixed for the bid submission in accordance with the Bidding Documents and shall be binding upon us and maybe accepted at any time before the expiry of the period.

5. The Price-Bid submitted by me/us is "WITHOUT ANY CONDITION".

6. If any information or document submitted is found to be false/incorrect, MDI may cancel my/our Tender and can take any action as deemed fit including termination of the contract, for forfeiture of all dues including blacklisting of my/our firm and all partners of the firm etc.

7. I/we also declare that the Government of India or any other Government body has not issued any show-cause notice or declared us ineligible or blacklisted us on charges of engaging in corrupt, fraudulent, collusive or coercive practices or any failure/lapses of serious nature.

8. I/We understand that MDI Gurgaon decision will be final for the evaluation and rejection of Bids.

9. I/We have gone through all terms & conditions of the tender documents before submitting the same and accept the same along with the technical specification and all other conditions mentioned in the documents; including the condition that MDI is not bound to accept the lowest bid.

(Signature, Name of the Tenderer with Seal)

Date:

Section E

Scope of Work, Schedule of Requirement and BoM

A. Brief Scope of Work

The scope of work for SITC of AV Systems in new Academic Block and Hostel(s) of MDI-Gurgaon Campus shall include site survey, site preparation, solution design, supply of all material as per detailed specifications in Section E, laying / installation, all electrical, all civil works required for & incidental to the project, configuration, testing & certification, integration of new Academic Block and Girls Hostel AV to the existing AV Infrastructure, migration & commissioning, documentation, project management, supply of spares, warranty and support etc. complete in all respect as specified in the various technical specs.

1. The bidder will carry out the work as specified by MDI Gurgaon and will be responsible for total system integration and execution of project.
2. The bidder will try & reuse the item available to the extent possible subject to its functionality & feasibility.
3. The bidder will carry out the feasibility sites surveys, prepare the drawings, laying & cable route plans, rack locations, device/equipment placement etc. for the AV infrastructure in consultation with the Institute.
4. The bidder will design, supply, install, commission, integrate and provide support of AV Infrastructure as per requirement in conformity with Bills of Material (any subset of items & quantities) & Technical Specifications (Section E) and terms & conditions of the tender.
5. The bidder will ensure to install the supplied systems and make it operational and provide warranty & onsite support for three years.
6. The bidder shall deliver and implement the technologies in conjunction with a set of best practices guidelines & industry standards.
7. The bidder will ensure smooth integration of the offered equipment with the existing equipment at MDI Gurgaon.
8. The bidder will provide user manual to end-user detailing operations of the equipment and onsite user level training at the time of installation.
9. The bidder will submit a detailed implementation plan after consultation with Institute within one week from the date of purchase order.
10. The Bidder has to ensure that during the execution of the project they do not damage or disrupt the existing services under and above the ground.
11. The Bidder has to comply with the security policy of the user organization and its nondisclosure agreement.
12. The methodology of conduiting & cabling and installation work (wherever required), to be adopted, has to ensure minimum damage to the existing finish and no loss to the aesthetic beauty of the floors & Walls. Any damage to the existing flooring / walls etc. shall be made good by the bidder.
13. The bidder shall organize technical training about the equipment after installation and commissioning has been completed. Training will be provided on no additional cost for 2 days at the place of installation. All the training material will be provided by the bidder.

14. The bidder will ensure the availability of services from professionally qualified team during implementation of the project and to provide the required on-site warranty for three Years.
15. The Bidder will be liable for any hardware and software up-gradation for maintenance without any extra cost during warranty period.
16. On completion of the work the bidder shall submit the detailed diagram/drawings & documentation of the project to MDI Gurgaon, which will be submitted to Institute along with the bills.

B. Testing & Certification

1. The SYSTEM shall be subjected to inspection at various stages during implementation by MDI representative for compliance with various requirements spelt out in this document / design document / various other MDI approved documents, good workmanship, adherence to good engineering practice, safety requirements etc. The details of stage-inspection by MDI shall be finalized during document approval. The SYSTEM INTEGRATOR shall carry out the various test / checks as per the test plan and offer the same for witnessing by MDI representative.
2. The final inspection on the SYSTEM shall include the following as a minimum
 - a. Final checks / tests for physical completion of the implementation as per this document and other MDI approved documents.
 - b. Verification of the SYSTEM configurations to ensure implementation as per this design document / various other MDI approved documents.
 - c. Functional Tests / checks on the SYSTEM to ensure that the functional requirements
3. All the above tests / checks shall be carried out by the SYSTEM INTEGRATOR internally; Internal Test Reports / Certificates shall be furnished to MDI for verification and shall be demonstrated to MDI representatives to verify compliance.
4. The SYSTEM INTEGRATOR shall integrate the SYSTEM supplied and installed with the existing infrastructure to offer seamless operation.

C. Documentation

1. The SYSTEM INTEGRATOR shall submit as-built / as-laid documents of the AV infrastructure implemented as a part of the project.
2. The documents shall be kept updated throughout warranty period with appropriate version control. The documentation includes, but not limited to the following:
 - a. Overall logical diagram depicting AV installations
 - b. Physical layout plan of cabling for AV equipment
 - c. Physical layout plan of the AV equipment
3. Device wise configuration details of Components deployed.
4. Comprehensive Inventory of equipment/ devices / components deployed in the AV Project.
5. All SYSTEM INTEGRATOR prepared documents shall be submitted as both in soft copies and in hard copies. The soft copies shall be submitted in the native format.

D. Training

The handover training shall broadly cover the AV design, administration, operation and management of all equipment.

E. Bills of Material

Technical Specifications for SITC of Digital Podiums & Laser Projectors at MDI-Gurgaon Campus with 3-year warranty

*Attach technical data sheet of all the products quoted

* If any Deviation Bid would be rejected

No.	Detailed Specifications of the Digital Podium & Laser Projector including the following (Attach Product Sheet and MAF)	Qty	Specify Make and Model	Compliance	Indicate deviations (if any)
1.	<p>Digital Podium for Tower PC along with all accessories and connectors Make – AHA ELF 72DG Supply, Installation, Testing & Commissioning of Digital Podium having Physical Specifications- Size 659(W) x 1130(H) x 750(D), Material- All ABS Plastic, Software Integrated Podium Software, Edupen-Pro, View Angle 22inch wide (Wide angle display Monitor), Touch Technology Pen-touch technology based on Digitizer technology, Audio Integrated Amplifier, Power Consumption Up to 2X240 W, Three-Year equipment warranty, 1- 22"LCD Tablet Monitor with Resolution 1920 x 1080 (FULL HD), View Area 477(H) x 268(V) mm – 22 inch, Luminance ,White 250 cd/m2, Contrast Ratio 1000:1 (typ.), Viewing Angle 160° (H/V), Lamp Life Time 20,000 Hrs (min), Technology Electromagnetic Resonance, Detectable Height 3~10mm, Position Report Rate 138pps, Pressure Resolution 1024 Level, Technology Projected Capacitive, Detected object Fingers, or Conductive material, Touch Points 10 Points, Sub-monitor- Non Tablet / 22inch wide, 2- BODY with Sliding cover- Opening/Closing the cover easily, Soft wheels- Moving podium with convenience, Adjusting Monitor Angle system (Actuator)- User can set monitor angle as user's want, Dimensions- 659(W) x 1,130(H) x 750(D), Ports: 3- Main Controller with UHD HDMI IN 3 HDMI INPUT (HDMI 1.4/HDCP1.2 Compliant), UHD HDMI OUT 3 HDMI OUTPUT (HDMI 1.4/HDCP1.2 Compliant), VGA OUT 1 (D-SUB 15P), Resolution 3840 x 2160 (Up to UHD), Composite Inputs Video X 2, Composite Output Video X 1, Bandwidth</p>	33		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

<p>100MHz, Return loss -30dB; 5MHz, Screen / ELE Control Ports X 2, Switch Control Ports X 4, USB Selector 2 Input , 1 Output LAN Selector 2 Input , 1 Output RMS Control Modul X 1, AMP Control Port X 1, IR Control Port X 2, Serial RS-232 Ports X 4, Speaker Out 40W 4Ω (20W + 20W) Stereo Input x 3 (Ø 5.5 Mono Jack), x 2 (RCA Stereo JACK L/R) x 1 (Ø 3.5 Stereo Jack), Output x 1 (RCA Stereo JACK L/R), x 2 (Ø 3.5 Stereo Jack)</p> <p>Lab Gruppen CA2402 Digital Amplifier with Maximum Output Power 4 or 8 Ω per channel 240 W, Number of Output Channels Number-2, Minimum Load Impedance 70 V output mode-20 Ω, 100 V output mode 41 Ω, Controls Front-Power standby button, gain control, tone controls - bass and treble, Rear- Load config - (4 Ω / 8 Ω / 70 V / 100 V), switchable 80 Hz high-pass filter, Tone Controls Bass ±10 dB @ 100 Hz Treble ±10 dB @ 10 kHz, Indicators Power On (blue), force standby (red), sleep (yellow) Master Signal (green LED) >12.3 mV (-36 dBu) Limit (red LED) Input clip, output limit Fault (red LED) Overheat, DC fault, over current, etc, Inputs 2 x 3-pin 5.08 mm Euroblock connector 2 x RCA stereo summed, Input impedance 10 kΩ unbalanced and RCA, 20 kΩ balanced Input sensitivity Balanced: 1.23 V (+4 dBu) RCA: 0.62 V (-2 dBu) each for mono sum RCA Maximum input level 9.75 V (+22 dBu), Outputs 1 x 4-pin 5.08 mm Euroblock connector, Output circuit type Class D, Remote connector 2 x RJ45 connector, submit tender specific authorization certificate from Lab Gruppen 5. Wireless Microphone with Frequency ranges 925.0MHz ~ 932.0MHz, Type Hand and Belt, Oscillation mode PLL synthesized, 6. Gooseneck Microphone with Polar Pattern Cardioid, Frequency Response 150Hz ~ 17KHz, Output Impedance 200 ohm Balanced, 7. 7inch Controller with Resolution 800 x 480, View Area- 154(H) x 92(V) mm – 7 inch, Interface RS-232, Touch Type Resistive, Operate System Win CE5.0, 8. Laptop with HDMI x2 / Tablet USB x1 / USB x 2 / Sound In x2 / LAN x1/ RCA Jack(3P) / Power x1 Interface, 9. Power Distributor with AC Outputs 5CH (MAX 150W), DC Outputs 12V/4A x 4, 9V/3A x1, 5V/1A x1 etc.</p> <p>Multimedia controller/HD video Encoder/Multimedia power Amplifier/wireless Microphone/Digital Amplifier/power Distributor/DP to DVI connector as required/HDMI point cable/power strips/HDMI cables/Apple to</p>				
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	HDMI/HDMI to Apple All required cables and connectors part of this podium.				
2	<p>SITC of 2x1 universal switcher should have resolutions up to UHD/4K@60Hz 4:4:4 and handle signal types including DP Alt Mode, HDMI 2.0, HDMI 1.x, and DVI, with a maximum data rate of 18 Gbps and a pixel clock of 600 MHz. It should have content protection for HDCP 1.x and HDCP 2.2. Required input connectors include 1x HDMI type A with screw locking option and 1x USB-C type A with screw locking option, while the output connector should be 1x HDMI type A with screw locking option. The device should have video processing for signal parameter measurement, simultaneous pass-through, and de-embedding to the audio layer, supporting all HDMI 2.0 audio formats for pass-through and uncompressed LPCM (up to 8 channels, 192 kHz, 24 bits per sample) for de-embedding. Control interfaces should include 1x 100Base-T via RJ45 for secure control, 1x 100Base-T via RJ45 for utility AV, and 1x 100Base-T via RJ45 for configurable Ethernet. RS-232 control should be facilitated through a 3-pin Phoenix connector with a symbol rate between 9600 and 115200 baud, configurable parity (none, odd, or even), and 1 or 2 stop bits. USB connectors required are 1x USB Type C with up to 100W charging function and optional Ethernet access, 1x mini-USB Type B for LCD control, 1x USB Type A for service, 1x USB Type B for user application, and 2x USB Type A for peripherals. Additionally, the device should include a room occupancy sensor connector (3-pin Phoenix) and a GPIO connector (8-pin Phoenix). Powering should be supported by an external 160W power supply with a maximum power consumption of 150 W etc all complete. Bidder to submit bid specific OEM authorization.</p> <p>Make: Lightware/Extron/QSC</p>	32		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

3.	<p>SITC of Short Throw Projector utilizes 3LCD Technology with an RGB liquid crystal shutter and a 0.67-inch LCD panel with C2 Fine. It offers a color light output/Brightness of 6,000 lumens and features a WUXGA resolution of 1920 x 1200 with a 16:10 aspect ratio. The projector boasts a contrast ratio of over 2,500,000:1 and uses a laser light source with a lifespan of 20,000 hours in high mode and 30,000 hours in eco mode. Keystone correction is manual, both vertically and horizontally, up to $\pm 30^\circ$. It processes color video in 10 bits and reproduces up to 1.07 billion colors. The throw ratio is 0.80:1, with a digital zoom factor of 1 to 1.35 and an optical lens with manual vertical lens shift of $\pm 50\%$ and horizontal lens shift of $\pm 20\%$. It supports screen sizes from 50 to 200 inches and projection distances from 0.9 to 3.5 meters, featuring a projection lens F number of 1.7 and a focal length of 11.76 mm. Interfaces include USB 2.0 Type A and B, RS-232C, Ethernet (100 Base-TX / 10 Base-T), wireless LAN (IEEE 802.11a/b/g/n/ac), VGA in (2x), VGA out, HDMI out, HDBaseT, Miracast, stereo mini-jack audio out, stereo mini-jack audio in (2x), and HDMI (HDCP 2.3) (2x). The projector supports USB 2 Type A playback and network protocols like HTTPS, IPv6, SNMP, ESC/VP.net, and PLink. Advanced security features include a Kensington lock, control panel lock, security cable hole, wireless LAN unit lock, wireless LAN security, and password protection etc all complete. Bidder to submit bid specific OEM authorization.</p> <p>Make: Epson EB-L630SU</p>	33		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
4	<p>SITC of Ceiling mounting kit for above Projector etc all complete.</p> <p>Make: Chief/B-Tech/Aktan</p>	33		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
5	<p>SITC of 120 inches Diagonal Motorized Projector Screen for Projector having premium Fabric Motorized Screen with Tubular Motor & IR remote control, Plug and play Noise free operation, Wide angle of vision with both GB and MW fabrics, Black masking border to get best image quality, Design for wall or ceiling installations, RF/IR Remote Control with In-Line Switch for Convenience, Furnished with junction box and 3-position wall switch for recessed wall mounting, Matte White Screen surface can be cleaned, flame retardant, Mildew resistant, viewing angle 55°, Balanced and flat viewing</p>	33		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

	surface with dowel at bottom to maintain vertical tension of screen, Inbuilt Electric Motor, 110/220v all complete. Make: Dalite/Draper/Aktan				
6	SITC of 75" display with 350 cd/m ² brightness, a 1200:1 contrast ratio, and a 400,000:1 dynamic contrast ratio. It features an 8 ms response time, 3840 x 2160-pixel resolution, Video Processing 4K X-Reality PRO, Motion enhancer Motion flow XR, Picture Processor 4K Processor X1 and HDR compatibility (HDR10, HLG) with a 16:9 aspect ratio and portrait/tilt support. The IPS LCD panel with direct LED backlight powered by a 4K Processor X1, operating 16/7. it offers 178-degree viewing angles. Video enhancements include 4K X-Reality PRO, Motion flow XR, and support for multiple HDMI signals. Down-firing speakers deliver 10W + 10W output. Running on Android TV with 16GB storage, it supports Wi-Fi, Chromecast, Apple Airplay, USB playback codecs, and pro settings. Control options feature IP Control, RS-232C, and HDMI-CEC. Inputs include three HDMI HDCP2.3 (for HDMI1/2/3) ports, composite video, analog audio, digital audio, Two USB ports, and Ethernet. The frame is Black and VESA-compatible. Bidder to submit bid specific OEM authorization. Make: LG/Sony/Samsung	32		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
7	SITC of 1x6 HDMI Splitter/ HDMI Distribution A Input: One female HDMI type-A connector A Output: Six female HDMI type - A connectors, Supports computer and video resolutions up to 4K/60 @ 4:4:4, Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, and HD lossless audio formats, Support for HDR - High Dynamic Range video – These products provide the video bandwidth, color depth, and metadata interchange capability required to support HDR video signals. HDR provides a greater contrast range and wider color gamut, HDCP 2.3 compliant – Ensures display of content-protected media and interoperability with other HDCP - compliant devices, Automatic input cable equalization – Actively conditions incoming HDMI signals to compensate for signal loss when using long cables, low quality cables, or source devices with poor signal output,	32		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

	<p>Selectable output muting via RS-232 – Provides the capability to mute one or all outputs at any time. This allows content to be viewed on a local monitor prior to appearing on the main presentation display, User-selectable HDCP authorization – Allows the unit to appear HDCP compliant or non-HDCP compliant to the connected source, which is beneficial if the source automatically encrypts all content when connected to an HDCP-compliant device. Protected material is not passed in non-HDCP mode, Automatic color bit depth management, HDMI to DVI Interface Format Correction, HDCP authentication and signal presence LED indicator, Provides +5 VDC, 250 mA power on each output for external peripheral devices, RS-232 control port, Front panel USB configuration port etc. all complete.</p> <p>Make: Lightware/Extron/Crestron</p>				
8	<p>SITC of HDMI extender kit should support selectable operation modes (Auto or forced Long Reach mode) and feature cross-compatible I/O boards compatible with HDBaseT. It must support all embedded audio formats, including PCM, Dolby Digital, and DTS high bitrate audio, with an extension distance of up to 170 meters using CAT7 S/FTP AWG23 cable at 1920x1080p60 resolution. It should be HDBaseT compatible, offer Ethernet extension at 100 Mbps, and include transparent EDID pass-through and bi-directional IR extension with CEC support. It must handle HDMI 4K signal formats (4K UHD @30Hz RGB 4:4:4 or @60Hz YUV 4:2:0) at up to 9 Gbps without video compression. It should be Bi-directional RS-232 and IR extension should be supported with status LEDs for Live, TPS link, signal, and HDCP detection. It should feature a twist-and-lock DC power connector, low power mode (standby), and the option for local or remote power sources with an external universal power adaptor, Mounting options should include rack, furniture, or truss installations. The extender must transmit DVI or HDMI 1.4 signals along with audio, Ethernet, RS- 232, and IR over a single CAT5/6/7 cable. It should support HDMI 3D signal formats, deep color signals (24/30/36 bit RGB/YCbCr 4:4:4), and resolutions including 1920x1080@120Hz/4:4:4 and 4096x2160@30Hz/4:4:4 or 60Hz/4:2:0 up to 300</p>	80		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

	MHz pixel clock.Compliance with HDMI 1.4, HDCP 1.4, DVI 1.0, and HDCP 2.2 standards should be ensured, supporting 120 Hz 3D video signals and delivering uncompressed video up to 9 Gbps data rate with zero signal latency and zero frame delay etc all complete Bidder to submit bid specific OEM authorization Make: Lightware/Crestron/ Extron				
9	SITC of Networked Digital Audio Processor with advanced and reliable hardware, leveraging the latest Analog Devices high-performance DSP Sharc21569 and NXP i.MX ARM processor, with the DSP chip SHARC ADSP-21569. should offer a comprehensive range of processing modules, including graphic equalization, parametric equalization, high and low pass filtering, all-pass filtering, frequency crossover, noise gate, compressor, multi-function mixer, automatic mixing, adaptive echo cancellation, and various feedback cancellation algorithms (notch, auto adaptive filtering). should support 64x64 Dante network audio channels (compatible with AES67) and up to 32 analog audio I/O channels, it includes USB A, USB B, RS232, and GPIO interfaces. The device provides 16 mic/line level analog audio input channels, 16 line-level analog audio output channels, and automatic camera tracking functionality. It features multiple assignable, routable AEC processor modules, with 1 RS232 port and 8 two-way GPIO interfaces, and supports WiFi connection. For network connectivity, it includes two Gigabit Ethernet ports for Dante audio and network backup, and two independent 100M Ethernet ports for control connections or network backup. The DSP should supports up to 8x8 USB digital audio recording and broadcasting channels, and features 8 configurable GPIO interfaces for input and output. Power is provided by a built-in dedicated power module and a 12V (500mA) DC external power supply. System configuration, control, and monitoring are facilitated through PUMA Designer software, supporting both static and automatically assigned addresses. The DSP is compatible with the TCP01 touch screen control panel and the WP01 programmable knob control panel. etc all complete. Bidder to submit bid specific OEM authorization Make: Extron/Klark Teknik/Serenix	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

10	<p>SITC of column array speaker should be a passive two-way multiple driver column array loudspeaker with 7 x 3.5" (89 mm) full-range drivers. It should have a rated power of 150 W average, 300 W continuous, and 600 W peak with a nominal impedance of 12 Ohms. The speaker should achieve an SPL peak of 112 dB continuous and 118 dB peak at 1 meter with Lo Z, and a horizontal dispersion of 90-100 degrees or better and variable vertical dispersion. The frequency range should be 120 Hz to 18 kHz (-10 dB) with a sensitivity of 90 dB at 1 meter (Lo Z). The vertical dispersion should be -6 dB at +6° / -22°. Transformer taps via rotary switch should be available with rated noise power and impedance options for 70 V (150 W at 33 Ω, 75 W at 66 Ω, 37.5 W at 133 Ω, 19 W at 265 Ω, 9.5 W at 520 Ω, and 5 W at 1000 Ω) with OFF and low impedance operation, and for 100 V (150 W at 66 Ω, 75 W at 133 Ω, 37.5 W at 265 Ω, 19 W at 520 Ω, and 9.5 W at 1000 Ω) with OFF and low impedance operation. The wiring terminal should be 1+ / 2- (input) and 3- / 4+ (link). The speaker should be EN 54-24 rated, constructed from aluminum extrusion, and include a wall mount bracket. Certification should include CE etc all complete. Bidder to submit bid specific OEM authorization. Make: Tannoy/Bose/QSC</p>	64		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
11	<p>SITC of POE Switch of 10 Gigabit Ethernet adoption by providing affordable and powerful features for growing small and medium-sized business networks. With the 10G ports in both copper and fiber, you can easily and cost-effectively enable 10G connections to servers and network storage devices with standard RJ-45 Ethernet cables. You can also aggregate 10G Enhanced Small Form-Factor Pluggable (SFP+) fiber connections to build a high-performance backbone to dramatically increase the overall speed of your network. Power dedicated to PoE with 195W and no of ports 24x 1G + 4x 10G(4 support 60W PoE), having Green power (mode) EEE, Energy Detect, Short Reach, System power consumption, 110V=48.8W, 220V=49.3W, USB Type A slot on the front panel of the switch for easy file and image management, LEDs System, master, stack ID, link/speed per port, Flash 256 MB etc all complete. Make: Extreme/Cisco</p>	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

12	<p>SITC of Full HD 1080p @ 60 frames per second PTZ Camera with minimum 20X Optical Zoom and FoV of minimum 57 deg, min 100 Presets. Camera should support simultaneous outputs through Ethernet, HDMI, 3G-SDI & USB 3.0, Audio In and can be controlled via RS232 & 422 In & Out & IP. Panning angle -170° ~ +170°, Tilting angle -30° ~ +90°. The tilting and panning speed of camera should be minimum 200° per second. Camera should support SRT, FreeD Protocol, PoE and Virtual USB Driver. Quoted model should be BIS, CE, FCC & RoHS Certified with Test Lab Reports. Bidder to submit bid specific OEM authorization.</p> <p>Make: Lumens/ QSC/Lifesize</p>	16		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
13	<p>SITC of Camera Switcher having Recording, Streaming & Webcasting Hardware simultaneously, Built-in 4x HDMI & IP Inputs with 4x Line Inputs, 2x HDMI Outputs. The system should be capable to record up to any four inputs simultaneously in a single frame and as well as individual sources simultaneously. Should have minimum 1TB inbuilt storage and can be connected to local NAS storage. The system should be able to support minimum 3 unicast streams. The recorded files should have the option of time and date stamp. Quoted model should be CE, FCC & RoHS Certified with Test Lab Reports. Bidder to submit bid specific OEM authorization.</p> <p>Make: Lightware/Crestron/Lumens</p>	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
14	<p>SITC of HDMI to USB Capture Card, automatically scales 4K sources to 1080p for USB capture, supports video timing stabilization to help ensure a reliable and stable USB capture stream, Supports capturing 2 channel digital audio from either HDMI (LPCM 2.0) or the 3.5mm analog audio input, Compliance with the UAC (USB Audio Class) and UVC (USB Video Class) standards, allows the unit to support most common capture and video streaming software etc all complete.</p> <p>Make: Data Video/Crestron/Cypress</p>	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

15	<p>SITC of ceiling tile microphone should feature automatic dynamic beamforming for optimal audio capture, ensuring True Voice lift and perfect speech intelligibility across its coverage of up to 80 m². It must include 28 Electret condenser capsules for high-quality audio performance. The microphone should support both Dante and Analog output options, powered over Ethernet (PoE IEEE 802.3af Class 3), and include certification for MS Teams, Zoom, DingTalk, and Tencent platforms. It should incorporate Exclusion Zones and Priority Zone features for flexible audio management, with the ability to control cameras based on talker position data. The microphone must comply with IEEE 802.1x for network security and feature audio output via 1 x 3-pin terminal and 2 x Digital Dante Network Audio (RJ-45 Primary and Secondary). Control and power supply should be facilitated through 1 x RJ-45 Ethernet port supporting PoE and data/control communication, with a voltage range of 44 – 57 V DC and maximum power consumption of 8.8 W. It should meet safety standards with UL 62368 certification, utilize a pre-polarized condenser microphone transducer principle, offer an AF frequency response range of 160 Hz to 18,000 Hz, sensitivity of 0 dBV/Pa (988 mV/Pa), signal-to-noise ratio of 83 dB (A), and latency of 4 ms. The microphone should also maintain an equivalent noise level of 11 dB (A). etc all complete. Bidder to submit bid specific OEM authorization</p> <p>Make: Sennheiser/Sony/Audio Technica</p>	14		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
16	<p>SITC of Central Control Processor, AV control processor should include specified control ports, advanced security standards, and a Gigabit Ethernet network port. It must be compatible with touch panels, iOS/Android devices, and button panels using a standard network infrastructure. The processor should feature two or more bidirectional RS-232 ports and one or more bidirectional RS-232/RS-422/RS-485 ports. It must have two or more IR/Serial ports, four or more low voltage relay ports, and four or more Digital I/O ports. The processor should include one or more serial BUS ports for control system expansion. It should have 8 GB or more Flash memory and 2 GB or more SDRAM. The processor must have</p>	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

	<p>dual 10/100/1000Base-T Ethernet ports for network separation, monitoring, and control of a minimum of 30 or more devices. It should support Ethernet protocols such as DHCP, DNS, HTTP, HTTPS, IEEE 802.1X, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, and UDP/IP. The necessary licenses to integrate a minimum of 4 or more iOS/Android devices as user interfaces should be included. The processor should feature a built-in or external IR learner to capture IR commands. It must operate within a temperature range of 0 to +50 °C and comply with CE, UL, and RoHS with 10.2 " Wall Mount Touchpanel with Recessed Wall Mount Kit , etc all complete. Bidder to submit bid specific OEM authorization</p> <p>Make: Crestron/Extron/Lightware</p>				
17	<p>SITC of Various Cables, connector and Rack for connecting Av equipment (HDMI, Cat6, speaker cable, microphone cable etc) etc. all complete.</p> <p>Make: Krystal/ Finolex/ Polycab</p>	lot		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
18	<p>SITC of 55" display with 350 cd/m² brightness, a 1200:1 contrast ratio, and a 400,000:1 dynamic contrast ratio. It features an 8 ms response time, 3840 x 2160-pixel resolution, Video Processing 4K X-Reality PRO, Motion enhancer Motion flow XR, Picture Processor 4K Processor X1 and HDR compatibility (HDR10, HLG) with a 16:9 aspect ratio and portrait/tilt support. The IPS LCD panel with direct LED backlight powered by a 4K Processor X1, operating 16/7. it offers 178-degree viewing angles. Video enhancements include 4K X-Reality PRO, Motion flow XR, and support for multiple HDMI signals. Down-firing speakers deliver 10W + 10W output. Running on Android TV with 16GB storage, it supports Wi-Fi, Chromecast, Apple Air Play, USB playback codecs, and pro settings. Control options feature IP Control, RS-232C, and HDMI-CEC. Inputs include three HDMI HDCP2.3 (for HDMI1/2/3) ports, composite video, analog audio, digital audio, Two USB ports, and Ethernet. The frame is Black and VESA-compatible. Bidder to submit bid specific OEM authorization</p> <p>Make: Sony/Samsung/LG</p>	17		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
19	<p>SITC of modular video conferencing system: Camera with Zoom: 15x HD zoom (5x optical + 3x digital), Pan: 180° (±90°), Tilt: 140° (+50° / -90°), Field of View Diagonal: 90°, Horizontal: 82°, Vertical: 52°, Total Room Coverage: 262° wide x</p>	19		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

	<p>192° tall (field of view + pan and tilt), Resolutions @ 30fps: 4K Ultra HD, 1440p, 1080p, 900p, 720p, and SD, Resolutions @ 60fps: 1080p, 720p, RightLight Technologies: Wide Dynamic Range (WDR), low-light compensation, video noise reduction, low-light saturation optimization, Privacy: Lens parks at -90° in sleep mode for assured privacy, Mic Pod, Pickup Range: 7 m diameter, Four omnidirectional microphones forming eight acoustic beams, AEC: Acoustic Echo Cancellation, VAD: Voice Activity Detector, Background noise, suppression, Mute button with LED status indicator, Captive 2.95 m 12-pin cable, Daisy chain up to 7 Mic Pods, Frequency Response: 90Hz – 16kHz, Sensitivity: >-27 dB +/- 1dB @ 1Pa, Microphone data rate: 48 kHz, Recommended # of participants, Speaker High-performance 76 mm driver with rare-earth magnet, Patent-pending suspension system eliminates vibration-induced camera shake and audio interference, Mini XLR cable connects to Display Hub for both signal and power, Speaker volume 95dB SPL @1W, 100dB SPL @7.5W, both +/-2dB at ½ meter, Sensitivity: 95+/-2 dB SPL at ½ meter, Distortion: 200Hz–300Hz <2.5%, 300Hz–10kHz < 1%@7.5W, Sampling rate: 48 kHz, etc all complete .</p> <p>Make: Lumens/QSC/Logitech</p>				
20	<p>SITC of 65" display with 350 cd/m² brightness, a 1200:1 contrast ratio, and a 400,000:1 dynamic contrast ratio. It features an 8 ms response time, 3840 x 2160-pixel resolution, Video Processing 4K X- Reality PRO, Motion enhancer Motion flow XR, Picture Processor 4K Processor X1 and HDR compatibility (HDR10, HLG) with a 16:9 aspect ratio and portrait/tilt support. The IPS LCD panel with direct LED backlight, powered by a 4K Processor X1, operating 16/7. It offers 178-degree viewing angles. Video enhancements include 4K X-Reality PRO, Motion flow XR, and support for multiple HDMI signals. Down-firing speakers deliver 10W + 10W output. Running on Android TV with 16GB storage, it supports Wi-Fi, Chromecast, Apple AirPlay, USB playback codecs, and pro settings. Control options feature IP Control, RS-232C, and HDMI-CEC. Inputs include three HDMI HDCP2.3 (for HDMI1/2/3) ports, composite video, analog audio, digital audio, Two USB ports, and Ethernet. The frame is Black and VESA-compatible. Bidder to submit bid specific</p>	20		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

	OEM authorization. Make: Sony/Samsung/LG				
21	<p>SITC of Screen Size 98, Brightness (cd/m²) 780, Contrast Ratio 5000:1, Dynamic Contrast Ratio 700,000:1, Response Time (ms) 6.5, Display resolution (H x V, pixels) 3840 x 2160, HDR (High Dynamic Range) compatibility HDR10,HLG,Dolby Vision, Aspect Ratio 16:9, Portrait/Tilt Compatibility , Dimming type Local Dimming, Display Device, LCD, Panel Type, VA Backlight type Direct(Full Array LED) TRILUMINOS Display, XR Triluminos Pro, Color, gamut (DCI-P3), 95%, Picture Processor, Cognitive Processor XR, Operation time, 24/7, Deep Black Non-Glare coating, Viewing Angle (Right/Left) 178(89/89) degree, Viewing Angle (Up/Down) 178(89/89), degree, IP Control, RS-232C Control,HDMI-CEC, HDCP HDCP2.3(for HDMI1/2/3/4), Composite Video Input (s), Hybrid w/S-Center Speaker Input x1(Side, Mini jack), HDMI inputs total 4(4Side), Analog Audio Input (s) (Total) 1(Side Analog Conversion), Digital Audio Output (s) 1(Side), USB ports 2(Side), Ethernet inputs 1 (Side) etc all complete. Bidder to submit bid specific MAF.</p> <p>Make: Sony/Samsung/LG</p>	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
22	<p>SITC of Digital Amplifier with Maximum Output Power 4 or 8 Ω per channel 240 W, Number of Output Channels Number-2, Minimum Load Impedance 70 V output mode-20 Ω, 100 V output mode 41 Ω, Controls Front- Power standby button, gain control, tone controls - bass and treble, Rear- Load config - (4 Ω / 8 Ω / 70 V / 100 V), switchable 80 Hz high-pass filter, Tone Controls Bass ±10 dB @ 100 Hz Treble ±10 dB @ 10 kHz, Indicators Power On (blue), force standby (red), sleep (yellow) Master Signal (green LED) >12.3 mV (-36 dBu) Limit (red LED) Input clip, output limit Fault (red LED) Overheat, DC fault, over current, etc, Inputs 2 x 3-pin 5.08 mm Euroblock connector 2 x RCA stereo summed, Input impedance 10 kΩ unbalanced and RCA, 20 kΩ balanced Input sensitivity Balanced: 1.23 V (+4 dBu) RCA: 0.62 V (-2 dBu) each for mono sum RCA Maximum input level 9.75 V (+22 dBu), Outputs 1 x 4-pin 5.08 mm Euroblock connector, Output circuit type Class D, Remote connector 2 x RJ45 connector, submit tender specific authorization certificate from Lab Gruppen etc all complete. Bidder to submit bid specific MAF.</p> <p>Make- Labgruppen CA2402</p>	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

23	SITC of Full range surface-mount loudspeaker for indoor and outdoor installation applications, 40 Watts continuous, 160 Watts peak power, 4" mineral loaded polypropylene driver with nitrile rubber surround for enhanced durability and long-term reliability, 0.75" ferrofluid cooled soft dome neodymium high frequency driver, 110° constant directivity dispersion for optimum coverage, UL 1480 certified for general signalling systems, UV and weather resistant UL 94 V-0 ABS enclosure, Multiple transformer taps for 70 V and 100 V line systems, Low insertion loss 30 W line transformer with easily accessible tapping switch, All components weather resistant to IP64 for outdoor use, Stylish durable enclosure in a semi matt black paint finish fits unobtrusively in any environment, Painted perforated aluminium mesh grille with dust protection, Yoke bracket included for ease of installation, Phoenix connectors input and link output etc all complete. Make: Tannoy/QSC/Bose	12		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
24	SITC of Standard Throw 3LCD Laser Projector with 4K Enhancement, Brightness - 8500 lumens, Resolution - WUXGA (1920 x 1200), CONTRAST RATIO >2,500,000 : 1, Aspect Ratio 16:10, Keystone Correction Projection Orientation 360° Free, Manual (Vertical / Horizontal) ±45° / ±30°, LIGHT HOURS 20,000 Hrs, LENS SHIFT - VERTICAL ±67° HORIZONTAL ±30°, Network Protocol: HTTPS, IPv6, SNMP, ESC/VP.net, PJLink, Interface: USB 2.0 Type A (2x), USB 2.0 Type B (Service Only), RS-232C, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN IEEE 802.11a/b/g/n (optional), VGA in, DVI in, HDBaseT, Stereo mini jack audio out, HDMI (HDCP 2.3), Network Wired LAN RJ45 and Optional Wireless LAN unit, Direct Power On / Off - Yes, Start-Up Period Less than 7 seconds; Warm-up Period: 30 sec, Quick Start-Up Less than 7 seconds, Cool Down Period - Instant Off, Air Filter Type - Electrostatic Filter, Power Supply Voltage 100 - 240 V AC ±10%, 50/60 Hz etc. all complete along with Suitable standard lens. Make: Epson EBPU1008B	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
25	180 inches Motorized Projector Screen Make: Dalite/Draper/Aktan	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
26	HDMI Cable 5mtr. MX/Kramer/Extron	33		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
27	Installation, Testing and Commissioning			Yes <input type="checkbox"/> / No <input type="checkbox"/>	

Buyback of old devices

S. No.	Device	Qty.	Compliance for Buyback
1.	Old Motorized Screen	01	Yes <input type="checkbox"/> / No <input type="checkbox"/>
2.	Old Player	01	Yes <input type="checkbox"/> / No <input type="checkbox"/>
3.	Old TV	01	Yes <input type="checkbox"/> / No <input type="checkbox"/>
4.	Old VC	02	Yes <input type="checkbox"/> / No <input type="checkbox"/>

Format-6
Financial Bid

(To be submitted on Letterhead in a separate sealed envelope)

Quote for SITC of Digital Podiums, Laser Projectors and other AV equipment at MDI-Gurgaon Campus with 3-year onsite warranty at MDI Gurgaon

*Qty may increase / decrease/ may be zero at the time of placing the order

S. No.	Detailed Specifications of the Digital Podium & Laser Projector including the following	Qty.*	Unit Price Excl. GST	Total Price Excluding GST	GST %	Total Inclusive GST
1.	Digital Podium for Tower PC along with all accessories and connectors as per specifications in Section E	33				
2	SITC of 2x1 universal switcher as per specifications in Section E	32				
3.	SITC of Short Throw Projector as per specifications in Section E	34				
4	SITC of Ceiling mounting kit for above Projector as per specifications in Section E	34				
5	SITC of 120 inches Diagonal Motorized Projector Screen as per specifications in Section E	34				
6	SITC of 75" display as per specifications in Section E	32				
7	SITC of 1x6 HDMI Splitter/ HDMI Distribution as per specifications in Section E	32				
8	SITC of HDMI extender kit as per specifications in Section E	80				
9	SITC of Networked Digital Audio Processor as per specifications in Section E	4				
10	SITC of column array speaker as per specifications in Section E	64				
11	SITC of POE Switch of 10 Gigabit Ethernet adoption as per specifications in Section E	4				
12	SITC of Full HD 1080p @ 60 frames per second PTZ Camera as per specifications in Section E	16				
13	SITC of Camera Switcher having Recording, Streaming & Webcasting as per specifications in Section E	4				
14	SITC of HDMI to USB Capture Card as per specifications in Section E	4				
15	SITC of ceiling tile microphone as per specifications in Section E	14				
16	SITC of Central Control Processor, AV control processor as per specifications in Section E	4				

17	SITC of Various Cables, connector and Rack for connecting Av equipment as per specifications in Section E	lot				
18	SITC of 55" display as per specifications in Section E	17				
19	SITC of modular video conferencing as per specifications in Section E	19				
20	SITC of 65" display as per specifications in Section E	20				
21	SITC of Screen Size 98 as per specifications in Section E	1				
22	SITC of Digital Amplifier as per specifications in Section E	1				
23	SITC of Full range surface-mount loudspeaker for indoor and outdoor installation applications as per specifications in Section E	12				
24	SITC of Standard Throw 3LCD Laser Projector as per specifications in Section E	1				
25	180 inches Motorized Projector Screen Make: Alite/Draper/Aktan	1				
26	HDMI Cable 5mtr. MX/Kramer/Extron	33				
27	Installation, Testing and Commissioning including any accessories, items , cables, connectors, tools etc required for SITC and completion of project					
28	Total					
30	Grand Total					

Total Amount in Figures: Rs.: _____

Total Amount in Words: Rs.: _____

Delivery period in Weeks for Supply: _____

Installation period in weeks: _____

A. Quote for Buyback#

S. No.	Device	Qty.	Unit Price in Rs.	GST	Total Price Excl. GST	Total Price Incl. GST
1.	Old Motorized Screen	01				
2.	Old Player	01				
3.	Old TV	01				
4.	Old VC	02				
5.	Total					

Note:

*Quantity of new purchase may increase/decrease/ may be zero at the time of placing order.

#Refer tender terms for buyback devices

- The Scope and specifications given in Section-E must be agreed. The bid with deviations would be rejected.
- Quotation Validity Period: - 180 days from the last date of Submission of quotation/tender.
- In case of discrepancy in the amount quoted in figure and words, the amount mentioned, which results in lowest payable by MDI will be taken into consideration. The lower of the Grand Total Value or arithmetically corrected value would be considered.
- 5-year warranty from OEM with next day business support.
- Price quoted should be inclusive of freight, cartage, delivery and installation at MDI Gurgaon Campus. Nothing extra will be paid.
- #MDI may place the order for the whole/ some of the items indicated above. Quantity of each item may vary (increase/ decrease) at the time of placing the order. Decision of competent authority of MDI in this regard shall be final and acceptable to the bidder.
- **Not delivering items within the period indicated above would attract penalty**
- **Financial bid not in the format-6 (as above) would be summarily rejected.**
- **All items must be quoted. Not quoting for one or more of the above items would lead to rejection of the bid.**
- **Payment terms not in conformity of the tender terms would lead to rejection of the bid.**

Place:

Sign of bidder: -

Date:

Name of bidder: -

Firm's Name with stamp: -

(To be submitted on company letter head)