



**North Eastern Development
Finance Corporation Ltd.**

Championing the entrepreneurial spirit of the North East

Notice Inviting Tender (NIT)

for

**Supply, Installation, Testing and Commissioning (SITC) of Audio
Visual (AV) and Video Conferencing cum Broadcasting System at
1st Floor Auditorium Hall, NEDFi House, Guwahati, Assam**

NIT No: NEDFi/IT/2024-25/4351 Dated: 27-Dec-2024

**North Eastern Development Finance Corporation Limited
NEDFi House, 2nd Floor, G. S. Road, Dispur, Guwahati – 781006
Phone: +91-361-2222200**

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Disclaimer

The information contained in this notice inviting tender (NIT) or subsequently provided to Bidder(s) whether verbally or in documentary form by or on behalf of North Eastern Development Finance Corporation Ltd. (NEDFi) or by any of their employees or consultants, shall be subject to the terms and conditions set out in this NIT document for proposal and any other terms and conditions subject to which such information is provided.

This NIT document is not an agreement and is not an offer or invitation by NEDFi to any party other than the Bidder who is qualified to submit the Bid. The purpose of this NIT document is to provide the Bidder with information to assist the formulation of their bid proposal in response to this NIT document. This NIT document has been prepared with care and attention to provide all required information to the Bidders. However, Bidders may need more information than that provided. In such case, the Bidder is solely responsible to seek the information required. NEDFi reserves the right to provide additional requested information at its sole discretion and shall provide the same to all Bidders (i.e. the Bidder who has sought for such information as well as all other Bidders). In order to respond to the NIT, if required, and with the prior permission of NEDFi, each Bidder may conduct their own study and analysis, as may be necessary to supplement the information and data. NEDFi, their employees and consultants make no representation or warranty and shall incur no liability under any law, statute, rules or regulations on any claim the Bidder may make in case of his failure to understand the requirement and make the proposition. NEDFi may, in their absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this Request for Proposal.

Bid Details

| Sl. No. | items | Description |
|---------|---|---|
| 1. | Name of Project | Supply, Installation, Testing and Commissioning (SITC) of Audio Visual (AV) and Video Conferencing cum Broadcasting System at 1 st Floor Auditorium Hall, NEDFi House, Guwahati, Assam |
| 2. | Tender Reference Number | NEDFi/IT/2024-25/4351 |
| 3. | Start date of availability of the NIT document (This document can be downloaded from NEDFi website freely) | 27-Dec-2024 |
| 4. | Date and Time of Site Visit for Understanding of the Requirement | 02-Jan-2025 11:00 AM |
| 5. | Last date of receipt of queries | 08-Jan-2025 |
| 6. | Last date of receipt of NIT Proposal | 17-Jan-2025 by 3:00 PM |
| 7. | Date of Technical Bid Opening | 17-Jan-2025 by 3:30 PM |
| 8. | Date of Technical Presentation | To be intimated to shortlisted bidders later. |
| 9. | Date for Financial Bid Opening & Declaration of Best Bidder | To be intimated to shortlisted bidders later. |
| 10. | Maximum time for delivery & Completion (commissioning) | 30 days from acceptance of the Work order |
| 11. | EMD | Interest free EMD of Rs. 50,000/- (Rupees Fifty Thousand only) in the form of DD/ FDR/Banker Cheque /BG from any scheduled Nationalised Bank in favour of "North Eastern Development Finance Corporation Ltd." payable at Guwahati valid up to 90 days. |
| 12. | Validity period of the Bid | 60 days |

Introduction

About NEDFi

The North Eastern Development Finance Corporation Ltd (NEDFi) is a Public Limited Company registered under the Companies Act 1956 on 9th August, 1995. It is notified as a Public Financial Institution under Section 4A of the said Act and was registered as an NBFC with RBI. The shareholders of the Corporation are IDBI, SBI, LIC, SIDBI, ICICI, IFCI, SUUTI, GIC and its subsidiaries.

Objective of the NIT & Scope of the work

The objective of the NIT is to select a suitable for Supply, Installation, Testing and Commissioning (SITC) of Audio Visual (AV) and Video Conferencing cum Broadcasting System at 1st Floor Auditorium Hall, NEDFi House, Guwahati, Assam. The scope of work includes but is not limited to:

- i) Supply, Installation, Testing and Commissioning (SITC) of Audio Visual (AV) System at 1st Floor Auditorium Hall, NEDFi House, Guwahati, Assam
- ii) Installation of high-definition video Conferencing cum broadcasting systems with 3 Full HD cameras.
- iii) Supply and installation of Active LED of specified dimensions.
- iv) Provision of necessary cabling, connectors, and mounting hardware.
- v) Training of staff on the operation and maintenance of installed systems.
- vi) The solution should support smooth switching of audio and video input, both way video conferencing communication.
- vii) 3 years comprehensive Warranty and support services post-installation.

The specifications and approved brands of the item/equipment are listed in ANNEXURE-VI, which represent the minimum requirements. Bidders may include additional items if needed to meet NEDFi's requirements. **However, bidders must only quote equipment from the brands approved by NEDFi. Bids with equipment from any other brands will be disqualified.**

Instruction to the Bidders

Definitions

- a. "NEDFi" means the **"North Eastern Development Finance Corporation Limited."**
- b. "Bidder" means the individual/firm/company/OEM/consortium who participates in this NIT Process.
- c. "Supplier" means the selected bidder under the NIT process.
- d. "Items" means all the equipment, machinery and/or other materials, which the Supplier is required to supply to NEDFi under the contract.
- e. The "work order" or "purchase order - PO" means the order placed by NEDFi to the Supplier signed by NEDFi including all attachments and appendices thereto and all

documents incorporated by reference therein. The work order shall be deemed as "contract" appearing in the document.

- f. The "Contract Price" means the price payable to the Supplier under the work order for the full and proper performance of its contractual obligations.

Minimum Eligibility Criteria

- a. The Bidder should have valid PAN, GST and Trade License. Documentary evidence shall be submitted as a part of technical bid.
- b. Bidder shall be authorized partner of quoted brands. Authorisation letter shall be submitted as a part of Technical Bid for all major components.
- c. Bidder should have office in Guwahati. Proof of Address shall be submitted as a part of Technical Bid.
- d. Average Annual Turnover for the last 2 (two) financial year should not be less than 50 Lakhs. Documentary evidence regarding the same has to be submitted by the Bidder
- e. Bidder should have successful track record of carrying out 3 (three) implementations of Audio-Visual system(s) in Govt./PSU/Private Institutions of repute in the last 3 (three) financial years with a combined value of INR 70 lakhs. A letter of satisfaction/completion certificate to be submitted with the "Technical Bid" for the same.
- f. The Bidder and the OEM of quoted products should not be blacklisted. Declaration or documentary evidence regarding the same shall be submitted as a part of technical bid.

Bid Evaluation Criteria

- a. The bidder shall submit their offers strictly in accordance with the terms and conditions of the Bid Documents. Any bid, which stipulates conditions contrary to the terms and conditions given in the Bid Documents, is liable for rejection. Any decision of NEDFi in this regard shall be final, conclusive, and binding on the bidder.
- b. The Financial Bid will be opened only if the Technical Bid is qualified (based on compliances of minimum eligibility criteria, required specification and the technical presentation) and accepted.
- c. Best/L1 bidder will be selected by considering the lowest total commercial value of all the items among the technically qualified bidders (refer the financial bid).

General Instructions

1. The bid consists of two parts namely, "Technical Bid" and "Financial Bid", which are required to be submitted in two separate sealed envelopes marked as "**Technical Bid**" and "**Financial Bid**". The bidder whose "Technical Bid" is found qualified will be called for opening of "Financial Bid".

2. All the bids duly addressed to **GM (IT), North Eastern Development Finance Corporation Ltd.** and should be deposited in the tender box kept in NEDFi Head Office. NEDFi will not be responsible for any tender made over by hand to any official of NEDFi.
3. NEDFi reserves the right to accept or reject in part or full any or all the bids without assigning any reason whatsoever. Any decision of NEDFi in this regard shall be final, conclusive, and binding on the Bidder.
4. Decision as to any arithmetical error, manifest or otherwise in the response to Bid Document shall be decided at the sole discretion of NEDFi and shall be binding on the Bidder. Any decision of NEDFi in this regard shall be final, conclusive, and binding on the Bidder.
5. NEDFi reserves the right to re-issue / re-commence the entire bid process in case of any anomaly, irregularity, or discrepancy in regard thereof. Any decision of NEDFi in this regard shall be final, conclusive, and binding on the Bidder.
6. Modification to the Bid Documents, if any, will be made available as addendum on the NEDFi website only. Accordingly, prospective bidders are requested to visit NEDFi website from time to time.
7. The Bid Documents may be downloaded from our website www.nedfi.com and submitted to the designated office address mentioned in this NIT.
8. The selected bidder may need to work in parallel along with NEDFi officials/other vendors / contractors at site to ensure timely completion within stipulated time frame. To complete the work at the site within stipulated time frame, engineers of the selected bidder may have to visit the site multiple times, if required, at no extra cost.
9. Each vendor shall submit only one proposal.
10. Quoted price shall remain valid for a period of 60 days from date of opening of Financial Bid.
11. Prices quoted should be all **inclusive** – i.e., inclusive of Taxes / Duties / Statutory levies / GST, charges for packing, forwarding, freight, transit insurance, loading and unloading etc.
12. Information Brochure/product catalogue must be attached with the Technical Bid clearly indicating the model quoted for.
13. The price quoted by the bidder cannot be altered or changed due to escalation on account of any variation in taxes, levies, and cost of material.

14. The price quoted is to be written in words as well as figures and in case of discrepancies between prices written in words and prices written in figures, the prices written in words shall be considered to be correct.
15. All taxes, if any, applicable shall be deducted at source as per current rate while making any payment.
16. The bids received and accepted will be evaluated by NEDFi to ascertain the best and lowest bid in the interest of NEDFi. However, NEDFi does not bind itself to accept the lowest or any Bid.
17. Payment terms will be 100% on submission of installation report or production of acceptance certificate duly signed by NEDFi's IT dept. Bidder has to submit the Performance Security for 5% of total contract value before submitting the invoice.

Preparation of BIDS

The bid prepared by the bidder shall comprise of (1) The Technical bid and (2) Financial bid.

All the documents submitted (whether original or photocopy) in the bid must be legible and signed and stamped by authorized signatory, otherwise the bid is likely to be rejected.

Technical BID

The Technical Bid shall contain the following documents. The documents shall be arranged in the same order as mentioned below with the checklist being on the top of documents. However, Bid Security in the form of DD/ FDR /Banker Cheque / BG for EMD of Rs.50,000/- (Rupees Fifty Thousand Only) should be submitted in a separate envelope inside the sealed envelope of Technical Bid.

- a. Covering letter.
- b. Bid Form (ANNEXURE-I)
- c. Information about the bidder (ANNEXURE-II)
- d. Declaration (ANNEXURE-III)
- e. Certificate of Incorporation/ Firm registration certificate
- f. Article of Memorandum of Association / Partnership Deed / Proprietorship Deed
- g. Copy of Income Tax Return/Audited Balance sheets for last 2 financial years
- h. Copy GST document.
- i. Clause by Clause compliance demonstrating substantive responsiveness to the commercial conditions by signing and stamping on all the pages of the original bid document by authorized person(s)
- j. Letter of Authority (ANNEXURE-IV)

- k. List of items quoted (ANNEXURE-V)
- l. Certificate/ Authorization Letter from OEM.
- m. Details of proposed solution with Design Diagram with technical design details.
- n. Compliance to specifications ANNEXURE-VI

Note: In Case of deviations, a statement of deviations and exceptions to the provision of the Technical Specifications and commercial conditions shall be given by the bidder. A bid without clause-by-clause compliance may be rejected.

Financial BID

The Financial Bid shall contain:

- a. Covering letter
- b. Price Bid (Annexure VII)

BID Prices

- i. The bidder shall give the total composite price inclusive of all levies and taxes. The basic unit price and all other components of the price need to be individually indicated against the items proposed to supply under the contract as per the Price Bid. The offer shall be given in Indian Rupees. No foreign exchange shall be made available by NEDFi
- ii. Prices indicated on the Price Bid shall be entered as per ANNEXURE –VII.
- iii. The bidder shall quote only one price for the item. Rates for only Standard/requisite configurations should be quoted and not for all the possible permutations and combinations of configurations.
- iv. The prices quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account. A bid submitted with an adjustable price quotation is likely to be treated as non-responsive and rejected.
- v. The price approved by the NEDFi for procurement will be inclusive of all levies and taxes, packing, forwarding, freight and insurance etc.

BID Security (EMD)

- I. The bidders shall furnish, as part of his bid submission, a bid security for an amount of Rs 50,000/- (Rupees Fifty Thousand only) in the form of DD/ FDR/Banker Cheque /BG from any Scheduled Nationalised Bank in favour of “North Eastern Development Finance Corporation Ltd.” payable at Guwahati.
- II. A bid not submitted in accordance shall be rejected by NEDFi as non-responsive at the bid opening stage.

- III. The bid security of the unsuccessful bidder will be returned at the earliest after expiry of the final bid validity.
- IV. The successful bidder's bid security will be discharged upon the bidder's acceptance of the purchase order and furnishing the performance security.
- V. The bid security may be forfeited: -
 - a) If a bidder withdraws his bid during the period of bid validity; or
 - b) The Bidder makes any statement or encloses any form which turns out to be false, incorrect and/or misleading at any time prior to signing of contract and/or conceals or suppresses material information; or
 - c) The successful Bidder fails to sign the contract or furnish performance security and other guarantee(s)/security in the form and manner to the satisfaction of NEDFi, as mentioned in the Bid Documents.

Any decision in this regard by NEDFi shall be final, conclusive and binding on the Bidder.

Validity of BID

Period of Validity of Bids

Bid shall remain valid for 60 days after the date of Financial Bid opening prescribed by NEDFi. A bid valid for a shorter period shall be rejected.

In exceptional circumstances, NEDFi may request the bidder's consent for an extension to the period of bid validity. The request and the responses thereto shall be made in writing. The bid security provided shall also be suitably extended. A bidder may refuse the request without forfeiting his bid security. A bidder accepting the request and granting extension will not be permitted to modify his bid.

Format and Signing of Bid

1. The Bidder shall submit Only One Original set of the bid.
2. The original bid shall be typed or written legibly. The original shall be signed by the Bidder, or a person or persons duly authorized to bind the Bidder to the Contract.
3. The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialled by the authorised person or persons signing the bid.

4. The bid should be a complete document and should be bound as a volume. The document should be printed with page numbers and appropriately flagged and contain the list of contents with page numbers. The deficiency in documentation may result in the rejection of the Bid. Any decision in this regard by NEDFi shall be final, conclusive and binding on the Bidder.
5. Each page should be stamped and initialled by authorized signatory.
6. The Bidders shall seal and mark the Bid accordingly.
7. If the outer cover of the bid is not sealed and marked appropriately, NEDFi will assume no responsibility for the bid's misplacement or premature opening.

Submission of BID

1. The bidder shall wax seal the Technical Bid and the Financial Bid in separate envelopes and keep them in a bigger wax sealed envelope. The Technical Bid shall bear the name “TECHNICAL Bid of Tender No: **NEDFi/IT/2024-25/4351** Dated: **27-Dec-2024**” on the envelope, while the Financial Bid shall bear the name “FINANCIAL Bid of Tender No: **NEDFi/IT/2024-25/4351** Dated: **27-Dec-2024**” on the envelope for avoiding any mismatch. The Technical and the Financial Bid should contain documents as laid down. The bigger sealed envelope containing the Technical and the Financial Bid in separate sealed envelopes shall be addressed to NEDFi at the following address:

To,

**GM (IT),
North Eastern Development Finance Corporation Limited
2nd Floor, NEDFi House, GS Road, Dispur,
Guwahati –781006, Assam**

2. All the envelopes shall bear the Tender name and the Tender No.
3. The envelopes shall indicate the name and address of the bidders to enable the bid to be returned unopened in case it is received late.
4. Tender may be sent by Registered Post/ Speed Post/ Courier or delivered in person. The responsibility for ensuring that the tenders are delivered in time would rest with the bidder. Bids shall be delivered to “**North Eastern Development Finance Corporation Limited, 2nd Floor, NEDFi House, GS Road, Dispur, Guwahati –781006 Assam**” on or before due date and time in the tender box. NEDFi shall not be responsible if the bids are delivered elsewhere.
5. If the envelopes are not sealed and marked as required, the bid shall be rejected.

6. Bid must be received by NEDFi at the address specified in Bid Document not later than the specified date and time as specified in Bid Document. In event of the specified date for submission of bids being declared a holiday for the NEDFi, the bids will be received up to appointed time on next working day. NEDFi may, at its discretion, extend this deadline for submission of bids by amending the bid documents, in which case all rights and obligations of NEDFi and bidders previously subject to the deadline will thereafter be subject to the deadline as Extended.

BID Opening and Evaluation

Opening of BID

- i. NEDFi shall open technical bids in the presence of bidders or their authorized representatives who choose to attend on the opening date and time. The bidder's representatives, who are present, shall sign in an attendance register. Authority letter to this effect shall be submitted by the bidders before they are allowed to participate in bid opening.
- ii. A maximum of two representatives for any bidder shall be authorized and permitted to attend the bid opening.
- iii. The Bidder's names, documents submitted, modifications, bid withdrawals and such other details as the NEDFi, at its discretion, may consider appropriate; will be announced at the opening.
- iv. The date fixed for opening of bids, if subsequently declared as holiday, the revised date of schedule will be notified. However, in absence of such notification, the bids will be opened in the next working day, time and venue remaining unaltered.

Clarification of BIDs

To assist in the examination, evaluation, and comparison of bids NEDFi may, at its discretion ask the bidder for the clarification of its bid. The request for clarification and the response shall be in writing. However, no post bid clarification at the initiative of the bidder shall be entertained.

Technical Evaluation

- i. NEDFi shall evaluate the technical bids to determine whether they are complete, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order.

- ii. Bidder meeting the minimum eligibility criteria will be called for a technical presentation of their proposed solution. Details of the date and time slot will be communicated to the short-listed bidder only.
- iii. Prior to the Financial Bid opening, NEDFi will determine the substantial responsiveness of each bid to the Bid document. For purposes of these clauses, a substantially responsive bid is one, which fulfil the below criterias:
 - a) The bid shall conform to all the terms and conditions of the Bid Documents without material deviations and
 - b) The bid proposes suitable and acceptable solution, as demonstrated in the technical presentation..

Financial BID Opening / Financial Evaluations

- i. NEDFi shall shortlist those who are eligible and have submitted substantially technical responsive bid for opening of financial bid. Successful Bidders would be called to attend opening of financial bids. The Financial Bids of Technically unsuccessful bidders would not be opened and shall be destroyed / returned unopened in due course.
- ii. Arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by NEDFi. If there is a discrepancy between words and figures, the amount in words shall prevail.
- iii. The evaluation and comparison of responsive bids shall be done on TOTAL Price as indicated in the Price Bid.
- iv. NEDFi reserves the right to waive any minor infirmity or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder. Decision of NEDFi in this regard shall be final and not challengeable.

Contacting the NEDFi

- i. No bidder shall try to influence NEDFi on any matter relating to its bid, from the time of the bid opening till the time the contract is awarded.
- ii. Any effort by a bidder to influence NEDFi in the NEDFi's bid evaluation, bid comparison, or contract award decision shall result in the rejection of the bid.

Award of Contract

NEDFi's right to vary quantities at the time of award.

NEDFi have the right to increase or decrease the quantity of items and services specified in the schedule of requirements without any change in the unit price of the ordered quantities or other terms and conditions at the time of award of contract.

Signing of contract

- i. The issue of final Purchase Order and acceptance of the same by the selected bidder shall constitute the award of contract on the bidder.
- ii. Upon the successful bidder furnishing of performance security, NEDFi shall discharge its bid security (EMD).
- iii. Failure of the successful bidder to comply with the requirement shall constitute sufficient ground for the cancellation of the award and forfeiture of the bid security (EMD) in which event, NEDFi may make the award to any other bidder at the discretion of NEDFi or call for new bids. Decision of NEDFi in this regard shall be final and not challengeable.
- iv. NEDFi reserves the right to disqualify the supplier for a suitable period who habitually failed to supply the equipment in time. Further, the suppliers whose equipment does not perform satisfactory in the field in accordance with the specifications may also be disqualified for a suitable period as decided by the NEDFi.
- v. NEDFi reserves the right to barred a bidder for a suitable period in case he fails to honour his bid without sufficient grounds.

General Conditions of the Contract

Performance security

- i. The supplier shall furnish performance security to NEDFi for an amount equal to 5% of the value of purchase order at the time of signing of the contract.
- ii. The proceeds of the performance security shall be payable to the NEDFi as compensation for any loss resulting from the supplier's failure to complete its obligations under the Contract.
- iii. The Performance Security shall be in the form of DD / Bank Guarantee only issued by a Scheduled Nationalised Bank.
- iv. The Performance Security will be discharged by NEDFi after a period of 3 (three) years beyond completion of the supplier's performance obligations including any warranty obligations under the contract.

Inspection and Tests

- i. NEDFi or its representative shall have the right to inspect and test the items for their conformity to the specifications.
- ii. If any inspected or tested items fail to conform to the specifications, NEDFi may reject them, and the supplier shall either replace the rejected items or make all alterations necessary to meet Specification requirements at free of cost to NEDFi.
- iii. Nothing shall in any way release the Supplier from any warranty or other obligations under this contract.

Delivery

- i. Delivery of the items shall be made by the Supplier in accordance with the terms specified by the NEDFi in its Schedule of Requirements, scope of the work and conditions of the NIT.
- ii. The items shall remain at the risk of the Supplier until delivery has been completed. The delivery of the equipment shall be to the ultimate consignee as given in the purchase order.
- iii. The Supplier should supply install and commission the items within **30 days** from the date of issue of the final purchase order, **failing which NEDFi may cancel the order and forfeit the performance security.**

Warranty

- i. 3 years from the date of commissioning of system.
- ii. Replacement or repair under warranty clause shall be made by the supplier free of all charges at site including freight, insurance, and other incidental charges.

Payment terms

- i. 100% Payment shall be made on successful completion of supply, installation, configuration, Testing and system integration.
- ii. For claiming the payment following documents are to be submitted to NEDFi.
 - (a) Invoice
 - (b) Delivery Challan
 - (c) Installation Report
- iii. Payment will be made after technical inspection by NEDFi to verify the technical compliance of the items supplied.

Prices

- i. Prices charged by the supplier for items delivered and services performed under the contract shall not be higher than the prices quoted by the Supplier in his Bid.
- ii. In the case of revision of Statutory Levies/Taxes during the finalization period of tender, NEDFi reserves the right to ask for reduction in the prices.

- iii. Prices once fixed will remain valid during the scheduled delivery period. Increase of Taxes and other statutory duties will not affect the price during this period.

Delays in the supplier's performance

- i. Delivery of the Items and performance of the services shall be made by the Supplier in accordance with the time schedule specified by NEDFi in its purchase order. In case the supply is not completed in the stipulated delivery period, as indicated in the Purchase Order, NEDFi reserves the right to short close/ cancel the purchase order and/or recover liquidated damage charges.
- ii. Delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to any or all of the following sanctions: forfeiture of its performance security, imposition of liquidated damages, and termination of the contract for default and/or blacklisting of supplier.

Liquidated damages

- i. The date of delivery of the items stipulated in the acceptance of the tender should be deemed to be the essence of the contract and delivery must be completed not later than the dates specified therein. Extension will not be given except in exceptional circumstances. Should, however, deliveries be made after expiry of the contracted delivery period, without prior concurrence of NEDFi and be accepted by the consignee, such delivery will not deprive NEDFi of his right to recover liquidated damage.
- ii. Should the supplier fail to deliver the items or any consignment thereof within the period prescribed for delivery, NEDFi shall be entitled to recover 0.5% of the contract value of the delayed supply for each week of delay or part thereof for a period up to 8 (EIGHT) weeks. If supplier is not able to deliver the ordered quantity after the stipulated period, NEDFi would be at liberty to purchase from any other source and recover the difference from supplier for loss occurred.

Force majeure

- i. If, at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as events) provided notice of happenings of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract or shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such an event come to an end or cease to exist, and the decision of NEDFi as to whether the deliveries have

been so resumed or not shall be final and conclusive. Further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reasons of any such event for a period exceeding 60 days, either party may, at its option, terminate the contract.

- ii. Provided, also that if the contract is terminated under this clause, NEDFi shall be at liberty to take over from the Supplier at a price to be fixed by NEDFi, which shall be final, all unused, undamaged and acceptable materials, bought out components and items in course of manufacture which may be in possession of the Supplier at the time of such termination or such portion thereof as NEDFi may deem fit, except such materials, bought out components and items as the Supplier may with the concurrence of NEDFi elect to retain.

Termination for default

- i. NEDFi may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the supplier, terminate this contract in whole or in part
 - a) If the supplier fails to deliver any or all of the items within the time period(s) specified in the contract.
 - b) If the supplier fails to perform any other obligation(s) under the Contract.
 - c) If the supplier, in either of the above circumstances, does not remedy his failure within a period of 10 days (or such longer period as NEDFi may authorize in writing) after receipt of the default notice from NEDFi.
- ii. In the event NEDFi terminates the contract in whole or in part, NEDFi would be at liberty to purchase from L2-bidder and recover the difference from supplier for loss occurred.

Termination for insolvency

NEDFi may at any time terminate the Contract by giving written notice to the Supplier, without compensation to the supplier. If the supplier becomes bankrupt or otherwise insolvent as declared by the competent court provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to NEDFi.

Arbitration

- i. If any disputes or differences arises between the parties on the performance or provisions of this Agreement, then the parties shall promptly and in good faith negotiate with a view to amicably settle the dispute, which settlement shall be valid only if signed by both parties. In the event the dispute is not resolved in the above manner within 15 days from the date on which the dispute or difference arose, the dispute shall be decided by binding arbitration under the Indian Arbitration & Conciliation Act, 1996, by a mutually appointed sole arbitrator and the decision of the said arbitrator shall be binding on the parties. Costs and fees other than attorney's fees associated with mediation/arbitration shall be shared equally by both parties. Each party shall be responsible for their Attorneys' fees associated with the arbitration.

- II. The mediation or arbitration shall be held at Guwahati.
- III. Neither party shall approach any court of law for the purpose of avoiding or staying the arbitration process.

Annexure-I: BID Form

(To be submitted in the letterhead of Bidder)

To,

GM (IT)

North Eastern Development Finance Corporation Limited

NEDFi House, 2nd Floor, G. S. Road, Dispur, Guwahati – 781006

Phone: +91-361-2222200, eMail: it@nedfi.com

Sub: Submission of bid proposal as per your NIT No NEDFi/IT/2024-25/4351 dated 27-Dec-2024

Dear Sir,

Having examined the conditions of NIT and specifications, the receipt of which is hereby duly acknowledged, I/we, undersigned, offer to Supply, Installation, Testing and Commissioning of AV system along with Video Conferencing cum Broadcasting System in conformity with the specifications of the NIT and as per the price bid attached herewith and made part of the Bid. I/We agree to abide by this bid for a period up to 60 days from the date of opening of the Financial Bid and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

I/We undertake, if my/our Bid is accepted, to provide the items as per your work order. Until a formal work order or contract is prepared and executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.

If my /our Bid is accepted, I/we undertake to submit a performance security amounting to 5% of the total contract value till the completion of the contract period and undertake that if we fail to deliver & commission the solution as desired in the NIT, our EMD/ performance security amount stands forfeited.

The bid submitted by me/us is properly sealed and prepared to prevent any subsequent alteration and replacement.

I/We understand that you are not bound to accept the lowest or any bid, you may receive.

Signature

(In the capacity of)

Duly authorized to sign the bid for and on behalf of

Tele No(s):

E-Mail Address:

Annexure II: Information about the Bidder

Reference No.: NEDFi/IT/2024-25/4351 Dated 27-Dec-2024

| North Eastern Development Finance Corporation Ltd. | | | | | |
|--|---|-----------------------|---------------------------------------|--------------------|--------------------|
| Tender Form | | | | | |
| I. Details of the firm Participating in the Tender- | | | | | |
| 1. | Name & Address of the of Bidder | | | | |
| 2. | Name & Designation of Authorized Signatory with contact detail. | | | | |
| 3. | Address of the Registered Office | | (Please submit documentary evidence.) | | |
| 4. | Address of the Office at Guwahati. | | (Please submit documentary evidence.) | | |
| 5. | Year of Establishment | | (Please submit documentary evidence.) | | |
| 6. | Type of Firm | Public Limited | Private Limited | Partnership | Proprietary |
| | <i>Put "Yes"</i> | | | | |
| 7. | Contact Persons Mobile/ Telephone Number(s) | | | | |
| 8. | Contact Email Address | | | | |
| 9. | Website of the bidder | | | | |
| II. Following documents are attached towards the proof of earnest money deposited. | | | | | |
| Sln. | Instrument of Earnest Money Deposited (EMD) FD/DD/BG/Banker's Cheque | Amount | Number | Issue date of EMD | Expiry date of EMD |
| 01. | | | | | |

III. OEM Authorization Certificate / Documentary evidence of association with the OEM(s) / Manufacturing Certificate-in case bidder is manufacturer itself) is given as per details below:

| Sl. No. | OEM Name & Address (To be filled in case Bidder is Not Manufacturer) | Manufacturer Name & address (To be filled in case Bidder is Manufacturer) | Date of Certificate | Certificate No. | Issuing Authority |
|---------|---|--|---------------------|-----------------|-------------------|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |

The above claim should be supported by documentary evidence.

IV. ELIGIBILITY CRITERIA:

a) Previous work Details.

3 (three) implementations of Audio-Visual system(s) in Govt./PSU/Private Institutions of repute in the last three (3) financial years with a combined value of INR 70 lakhs. A letter of satisfaction/completion certificate to be submitted with the "Technical Bid" for the same.

| Sl. No. | Work Details | Contract Value (in Rs.) |
|---------|--------------|-------------------------|
| 1. | | |
| 2. | | |
| 3. | | |

Copies of completion certificate attached: Yes / No

b) PAN

c) GST No

Signature of the bidder / Authorized Signatory

Date:

Place:

Name & seal:

Annexure III: Declaration

Reference No.: NEDFi/IT/2024-25/4351 Dated 27-Dec-2024

(To be submitted in the letterhead of Bidder)

1. I, son/daughter/wife of Shri..... Proprietor/ Director/ authorized signatory of the Agency/ firm mentioned above, is competent to sign this declaration and execute the NIT of NEDFi, No: NEDFi/IT/2024-25/4351 Dated 27-Dec-2024

2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them.

3. The information/documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I/ we am/are well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of my/our tender at any stage besides liabilities towards prosecution under appropriate law and forfeiture of EMD and Performance Security.

Signature of the bidder / Authorized Signatory

Date:

Place:

Name & seal:

Annexure IV: Letter of Authority

Reference No.: NEDFi/IT/2024-25/4351 Dated 27-Dec-2024

(To be submitted in the letterhead of Bidder)

Date: __/__/____

To,

The GM(IT)
North Eastern Development Finance Corporation Limited
NEDFi House, 2nd Floor, G. S. Road, Dispur, Guwahati – 781006
Phone: +91-361-2222200 Fax : +91-361-22377 33/34

Sub: Supply, Installation, Testing and Commissioning (SITC) of Audio Visual (AV) and Video Conferencing cum Broadcasting System at 1st Floor Auditorium Hall, NEDFi House, Guwahati, Assam

Dear Sir,

We _____ hereby authorize following representative(s) to attend to submit the bid and for any other correspondence and communication against above Bidding Document:

Name & Designation _____ Signature _____

Name & Designation _____ Signature _____

We confirm that we shall be bound by all commitments made by aforementioned authorised representatives.

Yours faithfully,

Signature

Name & Designation

For and on behalf of

NOTES:

- A. This letter of authority should be on the letterhead of the bidder and should be signed by a person competent and having the power of attorney to bind the bidder.
- B. Not more than two persons are permitted to attend in opening of Technical-bid, Financial-bid.
- C. Bidder’s authorised executive is required to submit a copy of this authority letter while attending any NEDFi meeting.

Annexure V: List of Items Quoted

Reference No.: NEDFi/IT/2024-25/4351 Dated 27-Dec-2024

(Bills of Material)

| Sl. No | Item Name | Make | Model/Part Number | Warranty | Brochure/Data sheet enclosed (Yes/No) | Ref/Page No. |
|---------------|------------------|-------------|--------------------------|-----------------|--|---------------------|
| 1. | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |

Annexure VI: Specifications

Reference No.: NEDFi/IT/2024-25/4351 Dated 27-Dec-2024

| SR. NO. | Item details with Minimum Specification | Qty | Quoted Make & Model | Compliance / Remarks |
|---------|---|--------|---------------------|----------------------|
| 1 | <p>SITC of Active 2-way full range loudspeaker system (Front Of House) Speaker Type: 2-way full range powered loudspeaker Driver Size: 1 X 15" LF driver, 1" HF driver Peak Power : 2500W Frequency Response (±3 dB): 52 Hz–18 kHz Frequency Range (-10 dB): 45 Hz–20 kHz Type : Class D Dispersion : 80° (H) x 60° (V) Maximum SPL : 130 dB peak With inbuilt DSP Technology LCD 128 x 32, blue backlit ULTRANET digital audio networking Amplifier Protection : Short circuit, open circuit, thermal User control : Hardware via rotatory knob & Software via App Enclosure : Injection-moulded polypropylene enclosure Complete with Flying Hardware M10 Type</p> <p>(Approved Brand: Bose/JBL/QSC/Turbosound/Yamaha)</p> | 2 nos. | | |
| 2 | <p>SITC of Active 2-way full range loudspeaker system (Delay Speaker Type: 2-way full range powered Bi-amplified loudspeaker Driver Size: 1 X 12" LF driver, 1" HF driver Peak Power : 1100W - LF: 1000 W & HF: 100 W Type : Class D Maximum SPL : 128 dB peak</p> | 2 nos. | | |

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|---|--|--------|--|--|
| | <p>Dispersion : 90° (H) x 60° (V) Frequency Response (±3 dB): 50 Hz–18 kHz Frequency Range (-10 dB): 45 Hz–20 kHz With inbuilt DSP Technology LED Indicator for Power & Signal Amplifier Protection : Full short circuit, open circuit, thermal Enclosure : Injection-moulded polypropylene Complete with Flying Hardware M10 Type</p> <p>(Approved Brand: Bose/JBL/QSC/Turbosound/Yamaha)</p> | | | |
| 3 | Mounting Arrangement for Loudspeaker | 4 nos. | | |
| 4 | <p>Active) 15" Subwoofer system (Subwoofer) Speaker Type: Powered Subwoofer; Driver Size: 1 X 15" LF driver; Peak Power : 2200W Type : Class D; Maximum SPL : 134 dB peak; Frequency Response (±3 dB): 45 Hz–100 Hz Frequency Range (-10 dB): 35 Hz–150 Hz; With inbuilt DSP Technology; LED Indicator for Power & Signal Amplifier Protection : Full short circuit, thermal, overcurrent, DC; Enclosure : Birch plywood, screwed and glued; Complete with 36 mm pole mount</p> <p>(Approved Brand: Bose/JBL/QSC/Turbosound/Yamaha)</p> | 2 nos. | | |
| 5 | <p>SITC of Active 2-way full range loudspeaker system (Stage Monitor) Speaker Type: 2-way full range powered Bi-amplified loudspeaker; Driver Size: 1 X 12" LF driver, 1" HF driver; Peak Power : 1100W - LF: 1000 W & HF: 100 W; Type : Class D; Maximum SPL : 128 dB peak Dispersion : 90° (H) x 60° (V); Frequency Response (±3 dB): 50 Hz–18 kHz; Frequency Range (-10 dB): 45 Hz–20 kHz; With inbuilt DSP Technology; LED Indicator for Power & Signal; Amplifier Protection : Full short circuit, open circuit, thermal; Enclosure : Injection-moulded polypropylene; Complete with Flying Hardware M10 Type</p> <p>(Approved Brand: Bose/JBL/QSC/Turbosound/Yamaha)</p> | 2 nos. | | |
| 6 | SITC of Loudspeaker Management System | 1 no. | | |

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|---|---|--------|--|--|
| | <p>2 input & 6 Output Excellent sonic performance with 24bit high end converters coupled with 96kHz sample rate; 2 inputs, 6 outputs with full matrix mixing; AD & DA Converters 24bit 96kHz; Minimum Load 150 ohm; THD+N 0.005% at 1kHz 0dBu 0.01% at 1kHz 16dBu; Frequency Response 20Hz – 20kHz; ±0.5dB; DSP Resolution 24×32 bit for filtering process; 96 bits resolution on intermediate computation results.</p> <p>(Approved Brand: British Acoustics/ Dbx/ Marani)</p> | | | |
| 7 | <p>SITC of Control Room: 4" Bi-Amped Ultra-compact Studio Reference Monitor with Tuned Front-Firing Bass Port</p> <p>Speaker Type: Bi-Amped Monitor speaker; Driver Size: 1 x 4" LF & 1 x 3/4" HF driver; Power Handling : LF- 25 W RMS & HF- 25 W; Frequency Response (±3 dB) : 56 Hz to 48 kHz;Crossover frequency : 2.8 kHz Dispersion : 90 Degree Conical; Maximum SPL : Peak - 101dB; Distortion:<0.9%; User controls : Power on/off; Volume; High Frequency Equalizer (+1.5 dB Boost, Neutral, -1.5 dB cut); Left/Right Monitor Select; Enclosure : MDF cabinet with injection moulded front baffle</p> <p>(Approved Brand: Bose/JBL/Tannoy/Turbosound/QSC/Yamaha)</p> | 2 nos. | | |
| 8 | <p>SITC of 40-Input, 25-Bus Digital Mixing Console</p> <p>32 Programmable Preamps; Input Channels: 40 Inputs (Mic Preamps): 32 x XLR Inputs, (Other): 2 x RCA (Aux), 6 x 1/4" TRS (Aux) Inputs (Digital): 2 x AES50, 32 x USB; Outputs (main): 16 x XLR Outputs Other): 1 x AES/EBU, 2 x RCA (Aux), 6 x 1/4" TRS (Aux); Outputs (Digital): 1 x AES/EBU (XLR), 32 x USB, 2 x AES50; Phantom Power: Yes; Aux Sends: 16 x Aux Sends; Send/Return i/o: 6 x 1/4" TRS; Busses/Groups: 16 x Bus; Data i/o: Ethernet, USB; MIDI I/O USB: 1 x Type B, 1 x Type A; A/D Resolution: Up to 24-bit/48kHz; 25 Motorized Faders; Channel LCD's 32-Channel Audio Interface; Built-in expansion port for audio interface cards or digital networking bridges; Signal Processing: Compression, Limiter; EQ Bands: 4-band Parametric (6-band on Mix Bus); TalkBack: Yes; DAW Control: Yes; iPad/iPhone Remote Control; Powerful scene management for convenient handling of complex productions Screen: 7" TFT screen</p> <p>(Approved Brand: Allen & Heath/Behringer/Yamaha)</p> | 1 no. | | |
| 9 | <p>SITC of I/O Box with 32 Remote-Controllable Midas Preamps</p> | 1 no. | | |

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| | <p>16 Outputs and AES50 Networking; Input: 32 x XLR Output : 16 x XLRM; AES50 Networking and ULTRANET Personal Monitoring Hub; Input : 16 x XLR , TRS (combo jack); Output : 8 x XLR; 2 x AES 50 Ports; Dual AES50 ports for cascading additional stage boxes; Dual ADAT outputs providing 16-channel digital output on two optical TOSLINK* connectors; 1 x USB B Type, USB connector for system updates via PC THD + noise, 20 dB gain, 0 dBu out < 0.008% (< 0.006% A-weighted) Output impedance, XLR, unbal. / bal. 75 Ohms / 75 Ohms; Input impedance XLR, unbal. / bal. 5 k ohms / 10 k ohms; MIDI In/Out for bi-directional communication between Mixing console and on-stage MIDI devices; Remote operation via shielded CAT5e cable up to 330 ft / 100 m length</p> <p>(Approved Brand: Allen & Heath/Behringer/Yamaha)</p> | | | |
| 10 | <p>SITC of Apple iPad 10.9” for Audio System Control A14 Bionic chip, 64 GB, Wi-Fi, Retina Display, 12 MP Wide Back Camera, Silver, 20-Watt USB C Power Adaptor, With Smart Folio and charger</p> | 1 no. | | |
| 11 | <p>SITC of Dual UHF Wireless Handheld microphone system Polar Pattern : Cardioid Dynamic; Receiver principle Double superheterodyne; Audio frequency response (Hz) 50 to 16,000 Hz (–3 dB); Frequency Response :55 - 16,000 Hz; Line / Mic level 20 dB, switchable; Signal-to-noise ratio ≥ 103 dBA; Squelch Adjustable from 3 dBµV to 28 dBµV; Connection Wireless, Connectors 3-pin XLR; Operating temperature (C) 0°C to +40°C; Battery capacity (Ah) 2.3 Battery operating time (h) Approx. 10 hrs; Sensitivity 1.8 mV/Pa (free field, no load at 1 kHz); Input sensitivity 1.5 mV / Pa; Nominal impedance 300 Ω (at 1 kHz), Output voltage (at peak deviation, 1 kHz AF) 1/4” (6.3 mm) socket (unbalanced): +6 dBu, Min. terminating impedance 1 kΩ</p> <p>(Approved Brand: Audio-Technica/Sennheiser/Shure)</p> | 3 nos. | | |
| 12 | <p>SITC of Lapel Microphone UHF Wireless Lapel Microphone System with Bodypack Transmitter; Receiving System : True Diversity Modulation mode : FM; Frequency Response : 100 Hz to 15000 Hz; RF Sensitivity: 20 dBuV at 60 dB S/N ratio (50 ohms termination);Total Harmonic Distortion: 1.0 % or less (at 1 kHz, ±17.5 kHz deviation) Dynamic Range 110 dB or higher (A-weighted), typical; switch function : Mute/unmute & On/OFF Automatic frequency scanning to find open channel; Operating range: 100 m; RF Power Output High: 30 mW, Low: 10 mW (switchable); No. of Channel : 10 channels per band; Built-in Tone Lock™ digital</p> | 1 no. | | |

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| | <p>identification system; Lavalier Terminated with locking 4-pin connector; Antenna Input : BNC type, 50Ω - BIAS voltage 12V DC 60mA each for powering an antenna booster, active splitters, an antenna combiner or any other active component; Maximum Output level XLR / Balanced: +9 dBV & 6.3 mm (¼") / Unbalanced: +4 dBV; Balanced and unbalanced outputs; Accessories Included: detachable Antennas, Rack mount kit</p> <p>(Approved Brand: AudioTechnica/Sennheiser/Shure)</p> | | | |
| 14 | <p>SITC of Gooseneck Microphone Cardioid Condenser 16" Gooseneck Microphone with antishock mount and Two-Stage Foam Windscreen; Element: Fixed-charge back plate, permanently polarized condenser; Polar Pattern: Cardioid; Frequency Response: 70-16,000 Hz; Open Circuit Sensitivity; -37 dB (14.1 mV) re 1V at 1 Pa Maximum Input Sound Level: 134 dB SPL, 1 kHz at 1% T.H.D.; Dynamic Range: 106 dB, 1 kHz at Max SPL Signal-to-Noise Ratio: 66 dB, 1 kHz at 1 Pa; integral 3-pin XLRM-type Connector.</p> <p>(Approved Brand: Audio Technica/Sennheiser/Shure)</p> | 1 no. | | |
| 15 | <p>SITC of Wired Vocal Microphone Wired Cardioid Dynamic Handheld Vocal Microphone; Element: Dynamic; Pick up Pattern: Cardioid Frequency Response : 50-15,000 Hz; Impedance : 300 ohms Rated impedance is 150Ω (300Ω actual) for connection to microphone inputs rated low impedance; Low Frequency Roll-Off: -55 dB (1.7 mV) re 1V at 1 Pa; Polarity Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3. Output Connector: 3 pin XLR Type</p> <p>(Approved Brand: Audio Technica/Sennheiser/Shure)</p> | 4 nos. | | |
| 16 | <p>SITC of Wired Instrument Microphone Cardioid Dynamic Microphone; Frequency Response 40 to 15,000 Hz; Pick up Pattern: Hypercardioid, Sensitivity (at 1,000 Hz Open Circuit Voltage); Open Circuit Voltage: -56.0 dBV/Pa (1.6 mV) (1 Pa = 94 dB SPL); Impedance Rated impedance is 150Ω (310Ω actual) for connection to microphone inputs rated low impedance. Polarity Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3;</p> <p>(Approved Brand: Audio Technica/Sennheiser/Shure)</p> | 4 nos. | | |

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| 17 | <p>SITC of PROFESSIONAL MICROPHONE STAND Adjustable Microphone Stand excellent, all-purpose microphone stand that's perfect for the studio or the stage Height adjustable for 90-148 cm, an excellent, all-purpose microphone stand that's perfect for the studio or the stage Adjustable boom makes positioning microphones easy.</p> <p>(Approved Brand: AtlasIED/Suparlux/MX)</p> | 9 nos. | | |
| 18 | <p>Professional Battery/Phantom Powered DI-Box (Approved Brand: Behringer/BSS/Radial)</p> | 2 nos. | | |
| 19 | Floor Box with 7 x XLR OUT & 1 x Monitor out | 3 nos. | | |
| VIDEO SYSTEM | | | | |
| 1 | <p>SITC of LED screen Size 12.5ft x 7.07ft or higher, Size: 173" Diagonal or Higher with LED Cabinets, LED Controller & Software etc., Viewing Angle 160 / 160 or better, Minimum Brightness 600 nits or more, Lifetime 1,00,000 hours or more.</p> <p><u>Physical Parameter:</u> Total Resolution of Screen FHD (1920x1080) or higher, Screen Size 12.5ft x 7.07 ft or higher, Diagonal Size 173" in 16:9 aspect ratio or higher, Pixel Pitch 2.0 mm or better, Pixel Configuration 3 in 1 SMD, Service access-Front, Optical Specifications Max Brightness (Calibrated) (It should be Max not peak) 600 cd/m2 or more Colour Temperature 3000 K – 10000 K or better, Visual Viewing Angle Horizontal/Vertical) 160 or more, Brightness Uniformity 97% or more , Colour Uniformity ±0.003CxCy Contrast Ratio 7000:1 or better, Refresh Rate (Hz) 3840 or better, BIS certification, LED Controller Inputs 6 x HDMI/DVI/SDI or in combination, Resolution True 4k 4096x2160@60Hz or better, Loading Capacity 10.40 Million, Audio Ports In & out both, Controller and screen should be provided by same OEM, PIP/PBP Yes, Windows / Layers of PIP/PBP 6 Layers, Gigabit Ethernet Port 6 or more</p> <p>(Approved Brand: LG/Panasonic/Samsung)</p> | 1 no. | | |
| 2 | Supply and Fitting and Fixing of MS Structure to mount the display including related background panelling work | 1 job. | | |
| 3 | SITC of 55" Confidence Monitor | 1 no. | | |

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|--|---|--------|--|--|
| | 55" 4K UHD (3840 X 2160) resolution Smart Commercial LED display with 16:9 aspect ratio and HDR 10+ Support; built in Wi-Fi and speakers; Ports: HDMI IN, RJ45, USB; Brightness: 400 Nits, Viewing Angle 178°; Display Orientation Landscape & Portrait; Operation Time 16 x 7 (Approved Brand: LG/Panasonic/Samsung/Sony) | | | |
| 4 | Low Height Movable Tv Trolley Director tv Trolley with Wheels for 32 Inch to 75 Inch LED for Events and Stage (Approved Brand: AudioVan/Lumi/ Prima) | 1 no. | | |
| 5 | SITC of 4x4 4K 18Gbps HDMI Matrix with Scaler and Audio Matrix. HDMI 2.0 Matrix Switcher with 4 HDMI inputs to 4 HDMI outputs; Inputs: 4 x HDMI Input. Outputs: 4 x HDMI Outputs; Supports resolutions up to UltraHD 4K 60Hz (4:4:4) incl. HDR Analog and digital audio de-embedding, integrated audio matrix. Individual volume adjustment on each L+R output. Supports 4K to 1080p down-scaling on up to 2 HDMI outputs HDMI output supports up to 5V / 500mA for AOC cables; Individual volume adjustment on each analog output HDCP2.3 compliant comprehensive EDID management Control via web-GUI, CEC, front panel, IR, RS232 and TCP/IP. (Approved Brand: Aten/Kramer/Purelink) | 1 no. | | |
| 6 | SITC of Wireless Presentation Platform Wireless AV platform allows simultaneous content sharing for up to four 1080p presenters Wireless screen casting with iOS, Android, Mac, Chromebook and Windows devices through native AirPlay, Google Cast or Miracast protocols; Dynamic Layout Mode facility for automatically adapting to incoming or disconnected source content; Instructor Mode for managing content, adjusting audio volume, uploading and playing media content, streaming YouTube, and switching between layouts YouTube Live streaming Support ; Cloud-based digital signage platform support Local storage for playback of images and video (Approved Brand: Atlona/Extron/Creston) | 1 no. | | |
| Live Streaming and Video Conferencing | | | | |
| 1 | SITC of AI based Full HD PTZ Tracking Camera | 3 nos. | | |

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|---|--|-------|--|--|
| | <p>Full HD 20x Tracking PTZ Camera, 1080p 60/59.94/50/30/29.97/25, 1080i 60/59.94/50, 720p 60/59.94/50,1/2.8 inch high quality HD CMOS sensor,2.07 Mega pixels,2.07 Mega pixels,2.07 Mega pixels,2.07 Mega pixels,≥50dB, 0.5 Lux @ (F1.8, AGC ON),1/30s ~ 1/10000s,20x Optical Zoom, 8x Digital Zoom, Focus Mode- Auto/Manual, OAN/TILT-Pan: 340° , Tilt: +90° to -30°, PAN /TILT Speed- Pan: 0.1~60°/sec Tilt: 0.1~30°/sec, Focal Length-f = 5.05mm (wide) to 91.49 mm (tele) F1.8(Wide) ~ F2.9(Tele),Field of View (Horizontal, Wide)-60°, Video Output-HDMI 2.0 x1 , 3G-SDI x1 RJ45 (PoE) x1, Audio In-3.5 mm x1 line in, Tally-Yes Dual colour (Red, Green), Lense Filter-M52.0 x 0.75 Thread with UV Protection, Control Protocol-Pelco-D, Peldo-P, VISCA, VISCA over IP, DVIP, ONVIF, Remote Control Interface-IR, Web GUI, RS-422 /RS-232/RS-485 (RJ45),Video Compression Format-H.264/H.265/MJPEG, Audio Compression Format-AAC, G711, Audio Bitrate-96Kbps, 128Kbps, 256Kbps,Streaming Protocols-RTSP, RTMP(S), ONVIF, SRT(caller & listener), Multicast, First Stream Supported Resolution-1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360, Second Stream Supported Resolution-720x480, 640x480, 640x360, 320x240,Video Bitrate-32Kbps ~ 50Mbps (Single Stream), Bitrate Mode- VBR, CBR, Encoding Frame Rate-50Hz: 1-50fps , 60Hz: 1-60fps, PoE- IEEE 802.3 at, power- DC 12 V, Warranty - 3 years</p> <p>(Approved Brand: Canon/Datavideo/Panasonic)</p> | | | |
| 2 | <p>SITC of Remote Camera Control Panel with 5" LCD for Preview Monitoring PAN/Tilt/Zoom Control, Camera Control- 24 cameras over IP, Preset Position- 14 for each camera, Control Protocol-Sony VISCA, VISCA over IP, DVIP, DHCP client, Connection to Camera- RS-422, Ethernet, Input/Output-USB 2.0 x2 10/100Mbps Ethernet (RJ-45 connector) x1 RS-422 (RJ-45 connector) x, Built In Touch Control Panel-Size: 5" Resolution: 1280 x 720, Power- DC 12 V, 19 Watt, Warranty- 3 Years</p> <p>(Approved Brand: Canon/Datavideo/Panasonic)</p> | 1 no. | | |
| 3 | <p>SITC of HD & SD 5 Channel Streamer/Recorder/Switcher Input: HD & SD, Output: HD&SD, Video Input -3G/HD/SD-SDI x1 (BNC 75 ohm) HDMI 1.4 x4 (Channel 1 as SDI/HDMI selectable) USB 3.0 x1, Computer Gfx Interface-4 via HDMI, Video Output-3G/HD/SD-SDI loop-through x1 HDMI 1.4 x1 (PGM), HDMI 1.4 x1 (Multiview) RJ-45 female x2 (10/100/1000M Ethernet) (LAN & WAN) Multiview 1x HDMI, Analog Audio I/P-XLR Balanced audio x2 ,RCA Unbalanced audio x 1 pair SDI embedded audio ,HDMI embedded audio IP Audio</p> | 1 no. | | |

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|----------|---|-------|--|--|
| | <p>(RTSP AAC-ADTS, PCM) (External and embedded audio mixable) Analog Audio O/P-3.5 mm x 1, 0-300ms audio delay calibration, PnP in PGM, Built in Audio Mixer, FAT/Ex FAT Recording File System, MP4 Recording File Format, Includes 1 TB SSD, H.264 video Encoder, Audio Encoder-AAC-LC, Sample rate: 48KHz, 16bit,AAC-LC ,Sample rate: 48KHz, 16bit Configurable bit rate: 128K or 256K or 384K, Streaming Protocol-DHCP client, TS over UDP (unicast & multicast) RTSP over HTTP/TCP/UDP,RTMP (Publish)/RTMPS HLS,SRT Caller and Listener, Web RTC (encode/decode) NDI Hx, Vertical video: crop or rotate ,Vertical video Multiview,1RU rack-mount mainframe, 3 Years Warranty</p> <p>(Approved Brand: Blackmagic Design/Datavideo)</p> | | | |
| 4 | <p>SITC of Touch Based Control Panel with 7” capacitive touch screen Resolution: 800 x 480, Control-RS-232 (RJ-45), Power-12 V DC, PoE-802.3af, Max Power Consumption-10W, 3 Years Warranty</p> <p>(Approved Brand: Datavideo or equivalent)</p> | 1 no. | | |
| 5 | <p>SITC of professional hardware streaming engine with SDI and HDMI Video Inputs 1 x loop out, 1 x monitor out,1 x USB-C up to 2160p60,1 x monitor out,upports 10/100/1000 BaseT for live streaming, software control and software updates,1.5G, 3G, 6G, 12G,Auto detects SMPTE level A or B on SDI input,Video Input Color Space Rec.601, Rec.709, Rec.2020,Video Streaming Standards 720p25, 720p30, 720p50, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60,Protocol (RTMP) in H.264, and Secure Reliable Transport (SRT) in H.264 and H.265,embedding CEA-608 and CEA-708 closed captions in your live RTMP stream,Built in control panel with 2.2 inch color display for video preview, audio meters and status,Front panel, USB-C or ethernet.</p> <p>(Approved Brand: Blackmagic Design/Datavideo)</p> | 1 no. | | |
| 6 | <p>SITC of UDC Conversion: VGA/HDMI/SDI to HDMI/SDI Multi-format Up/Down/Cross, Video I/P Sel: 1x VGA, 1x HDMI, 1x 3G/HD/SD-SDI, Loop Through-1, Audio Input: 2x RCA Stereo pair, 2xSDI Embedded, Audio Output-SDI embedded audio up to 8CH, 48KHz, PCM audio HDMI embedded audio up to 8CH, 48KHz, PCM audio, Supported Formats: 800x600 (60Hz), 1024x768 (60Hz), 1280x1024 (60Hz), 1366x768 (60Hz), 1400x1050</p> | 1 no. | | |

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| | <p>(60Hz), 1600x1200 (60Hz), 1280x720 (60Hz), 1920x1080 (60Hz), 480i, 480p, 525i, 576i, 576p, 625i, 720p (50/59.94/60Hz), 1080i (50/59.94/60Hz), 1080psf (23.98/24/25/29.97/30Hz), 1080p (23.98/24/25/29.97/30/50/59.94/60Hz), Output Resolution- Sel.: 525i, 625i, 720p (50/59.94/60Hz) 1080i (50/59.94/60Hz) 1080p (23.98/24/25/29.97/30/50/59.94/60Hz), Relock, Rugged Case, 3 Years Warranty.</p> <p>(Approved Brand: Blackmagic Design/Datavideo/Decimator Design)</p> | | | |
| 7 | <p>SITC of HDMI Distributor Input: 1 x HDMI, Output: 4 x HDMI,HDMI Supported Resolutions 4096x2160p60/59.94/50,4096x2160p30/29.97/25/24/23.98,4840x2160p60/59.94/50, 3840x2160p30/29.97/25/24/23.98, 1080p60/59.94/50, 1080p30/29.97/25/24/23.98, 1080i60/59.94/50, , 720p60/59.94/50, 480p, 576p, 480i, 576i PC Supported Resolutions 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x720@60Hz, , 1280x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@ 60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1680x1200@60Hz, 1920x1080@60Hz, 1920x1200@60Hz, HDR 4K2K@60 4:2:0 10bits; 4K2K 60Hz YCbCr4:4:4 8bit/YCbCr4:2:0 10bit; 4K2K 30Hz YCbCr4:4:4 8bit, Single-link 600MHz (18Gbps)DTS-HD Master Audio, Dolby TrueHD, Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM,12V / 6W, 3 Year Limited Warranty</p> <p>(Approved Brand: Datavideo /Kramer/Purelink)</p> | 2 nos. | | |
| 8 | <p>SITC of Hdbase T Transmitter A/V Input- 1x HDMI, A/V Outpu- HDBaseT RJ-45 x1, Supported Format: 3840x2160p: 30/29.97/25/24/23.98, 1080p: 60/59.94/50/30/29.97/25/24/23.98, 1080i: 60/59.94/50, 720p: 60/59.94/50; 525i59.94 NTSC, 625i50 PAL, Video Process- 4K2K30 4:4:4 8bit, 4K2K60 4:2:0 8bit, Bandwidth:Video bandwidth Single-link 340MHz [10.2Gbps], RS-422/ RS-232, DC Out-12v/24W,HDBaseT Distance- 1080p@60 60m (198ft) by CAT6 cable, 4K2K@30 35m (114ft) by CAT6 cable, HDMI compliance- HDMI Deep Color, full 3D & 4K2K@30/HDCP 2.2/1.4, Audio support- Surround sound [up to 7.1ch] or stereo digital audio</p> <p>(Approved Brand: Datavideo/Purelink/Kramer)</p> | 3 nos. | | |
| 9 | <p>SITC of Hdbase T Receiver</p> | 3 nos. | | |

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| | <p>Video/Audio Input- HDBaseT RJ-45 x1, Output- HDMI x1, Supported Format- 3840x2160p: 30/29.97/25/24/23.98, 1080p:60/59.94/50/30/29.97/25/24/23.98, 1080i: 60/59.94/50, 720p: 60/59.94/50; 525i59.94 NTSC, 625i50 PAL, Video Process 4K2K30 4:4:4 8bit, 4K2K60 4:2:0 8bit, bandwidth Single-link 340MHz [10.2Gbps] ,RS-422/ RS-232, Power DC IN: DC 48V, PoE Output 30W, HDBaseT Distance 1080p@60 60m (198ft) by CAT6 cable / 4K2K@30 35m (114ft) by CAT6 cable, HDMI compliance HDMI Deep Color, full 3D & 4K2K@30 / HDCP 2.2/1.4, Audio support Surround sound [up to 7.1ch) or stereo digital audio</p> <p>(Approved Brand: Datavideo/ Purelink/Kramer)</p> | | | |
| 10 | <p>SITC of Rack mount 24-Port Gigabit Ethernet Smart/Managed Switch 4 Nos 10G SFP+ Ports, 24 Nos 10/100/1000 Mbps PoE+ ports (802.3at), Total PoE Power budget (Watts) 190W or higher, Max MAC entries- 16K or higher, Buffer size- 1.5MB, VLAN (Number Supported)-256, VLAN routing-Yes, Dynamic VLAN assignment -Yes, MLD Snooping-Yes, Static route-Yes, Host ARP table-512, IEEE-Yes, DoS Prevention- Yes, Management- Web browser-based GUI(HTTP/HTTPS), Text-based Lite Command line Interface (CLI) RMON, SNMP, IPv4/IPv6 ACL and QoS--L2, L3, L4, ingress, IPv4/IPv6 Multicast Filtering-IGMP and MLD Snooping, Auto-VoIP/ Auto-Video- Yes, IEEE (802.3az) Energy Efficient Ethernet-- Yes/VLANs-Static, Dynamic, Voice, MAC, Protocol-based, and Private VLAN, Convergence-- LLDP-MED,RADIUS, 802.1X, Pv4 & IPv6 Static Routing- Yes, ACLs-100 shared</p> <p>(Approved Brand: Cisco/Netgear/HPE)</p> | 1 no. | | |
| 11 | <p>SITC of Desktop Computer Core i7 14th Generation (12 Cores/25MB/20T/2.1GHz to 4.9GHz/65W) Processor,32 GB DDR5 RAM, Platinum Rated Power Supply, GFX-AMD Radeon™ RX 6500 4GB GDDR6 Graphics card, Storage- M.2 2230 512GB PCIe NVMe SSD Class 25, HDMI, USB 3.0, and Gigabit Ethernet Ports, Wi-Fi and Bluetooth, Trusted Platform Module (Discrete TPM Enabled), ENERGY STAR Qualified, Windows 11 Pro, 22 Inch Monitor, 5 years onsite warranty</p> <p>(Approved Brand: Dell/Lenovo)</p> | 1 no. | | |
| Other Equipment | | | | |

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|---|--|------------|--|--|
| 1 | SITC of HDMI passive wall Plate (Approved Brand: Gigatron/Kramer) | 2 nos. | | |
| 2 | SITC of Active Optical HDMI Cable 4K Connector HDMI Type A, Transmission Bandwidth 18 Gbps, Display Resolution 4K@60hz, HDMI Version HDMI 2.0, Wire Specification Optical Fiber + Copper Cable for Power, Power Consumption 250mW, Operating Temperatures -40°C to 70°C, Other Features eARC VRR QFT ALLM Dynamic HDR, (Approved Brand: Atlona/Cable-Wise/Purelink) | 1 Lot. | | |
| 3 | SITC of CAT6A UTP Cable (Approved Brand: CommScope/Molex/R&M/Tyco) | 1 Lot. | | |
| 4 | SITC of 20/24 Microphone/Signal Cable (as per actual) (Approved Brand: Gotham/Kramer/Sommer Cable) | 400 Meters | | |
| 5 | SITC of Various Connectors, and Accessories (Approved Brand: Amphenol/Neutrik) | 1 Lot. | | |

Note: Relevant datasheet/product brochure or any other documentation for establishing the compliance shall be enclosed with this annexure.

Annexure VII: Price Bid Format

(To be submitted in the letterhead of Bidder)

Reference No.: NEDFi/IT/2024-25/4351 Dated 27-Dec-2024

| Sl No. | Item Description | Make & Model | Qty | Unit Rate (Rs) | Total Cost of Items (Rs) | Taxes, duties and other costs (Rs) | Total Value (Rs) |
|-------------------------|-------------------------|-------------------------|------------|-----------------------|---------------------------------|---|-------------------------|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| Amount in Words: | | | | | | | |

- i. Certified that the above rates are inclusive of levies and all taxes.
- ii. Certified that I agree to all the terms & conditions of the Request for Proposal.

Signature of the bidder / Authorized Signatory

Date:

Place:

Name & seal: