



राष्ट्रीय प्रौद्योगिकी संस्थान सिक्किम
NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM
(An Institute of National Importance, MHRD, Govt. of India)

Tender No: 597/NITS/Admin/Virtual Classroom/2019-20/67

Date: 24.01.2020

Notice Inviting Tender

The National Institute of Technology Sikkim invites tenders/bids under two bid system (Technical Bid & Financial Bid both in separate sealed envelopes) in sealed envelope for **Supply and Installation of Virtual Classroom and Conference Room Equipments** as per the specifications, terms and conditions given in this tender. The tender documents can be downloaded free of cost from the website www.nitsikkim.ac.in or from the Central Public Procurement Portal.

Schedule of Requirements

S. No.	Particular	Quantity	Delivery Period
1	Virtual Classroom and Conference Room Equipments (As given in the Detailed Technical Specification)	As per Detailed Technical Specification	70 Days

Details	Information
Bidding System	Two bid system: Technical Bid & Financial Bid (separately sealed)
Tender Floating Date	25 th January 2020
Tender Closing Date & Time	17 th February 2020; 03:00 PM
Technical Bid Opening Date & Time	17 th February 2020; 04:00 PM
Financial Bid Opening Date & Time (Tentative)	18 th February 2020; 03:00 PM (Tentative) Shall be announced at the time of technical bid opening.
EMD (Earnest Money Deposit)	₹2,00,000/- (Rupees Two Lakh Only) By Demand Drafts in favour of "Director, NIT Sikkim" payable at State Bank of India, Ravangla Branch (IFSC SBIN0007218).
Address for communication	The Registrar, NIT Sikkim, Barfung Block, Ravangla, South Sikkim – 737139
For any Clarification	registrar.office@nitsikkim.ac.in
Institute Website	www.nitsikkim.ac.in
Tender Submission	Tender may be deposited in the tender box or submitted in the Administrative Block at Reception /Registrar Office.
Number of pages in the tender document	27

Registrar (I/c)

Note Carefully: The Bidders are required to read carefully and understand all the terms and conditions, specifications, formats, instructions, etc. given in the Tender/Bid document with full understanding of its implications. Failure to furnish all information required for submission of a bid or bids not substantially responsive in every respect may result in outright rejection. The Bidder is required to give confirmation of their acceptance of all the terms and conditions mentioned in the Tender/Bid document. Failure to do so may result in rejection of Tender/Bid submitted by the Bidder.

General Terms & Conditions

1. In this tender document the Institute means “National Institute of Technology Sikkim (NIT Sikkim)”, the BUYER means NIT Sikkim and SELLER/SUPPLIER means the successful bidder awarded the Purchase Order (PO)/work order. The word “Tender” and “Bid” is used interchangeably having same meaning. Here, the word supply/agreement/contract/project means the Purchase order for the goods given in the scope of the work. Goods/Items/Stores means the items/service mentioned in the scope of work. A tender/bid document means all the pages of this document consisting of terms and conditions, specifications, bid formats, undertaking, etc.
2. **Scope of Work:** Supply and installation of “**Virtual Classroom and Conference Room Equipments**” as per **Specification** for NIT Sikkim. Suppliers with track record of supply of such goods/equipment/items and accessories may bid for the same.

3. **Format for submission of bid:**

The bid shall be submitted only in the *forms and formats* attached with this bid document and every page of the bid document should be signed and stamped by authorized person. The bid should be forwarded by the bidders under their original memo/letter head inter alia furnishing all the required details like GST number, PAN, Bank details etc. and complete contact details (Postal address, email, fax, contact numbers) of their office. All bidding documents including technical and financial bids must be in English. One signed copy of the tender document, with bidding firm seal, agreeing to the terms & conditions and declaration etc. must also form part of the submitted bid.

4. **Two Bid system:**

The bidding process shall consist of **Two** bid system. The bid must be submitted in two parts comprising:

Part-I: Technical Bid [Annexure-A] & Part-II: Financial/Commercial/Price Bid (all have same meaning) [Annexure-D].

The Part-I (Technical bid) should contain the EMD, compliance/non-compliance of detailed technical specifications as per the BID/TENDER document along with other desired information/certificate, eligibility documents etc. **The Part-II** (Financial Bid) shall only contain the price offered in the Bid format provided with document along with other desired information/certificate, etc, if any.

Both the Bids should be properly placed in two **separate sealed envelopes** and marked accordingly (**must super-scribed TECHNICAL BID or FINANCIAL BID on the top of each respective envelope**) for their proper identification. These should again be sealed in a third bigger **envelope super-scribing, “Bid for Supply and Installation of Virtual Classroom and Conference Room Equipments”**.

The Part-I (Technical bid) will be opened on the date of tender opening and the Part-II (Financial Bid) after evaluation of Part-I. The Part-II (Financial Bid) of only technically qualified bidders shall be opened, as decided by the Tender Evaluation Committee. The decision of the Tender Evaluation Committee shall be final and binding on all the bidders.

5. Enclosures:

The bidder must attach the suitable supporting documents. The **Technical and Financial bids** will be submitted in the specific formats enclosed with this tender document in separate sealed envelopes. All the enclosures attached with the bid shall also be signed and stamped. Please ensure following:

(a) Technical bid must comprise of following:

- (i) A clause by clause compliance on Terms and Conditions of the tender and the Technical Specifications, etc.
- (ii) Duly filled, signed and stamped **Technical Bid (Bidder Profile)** on the **letter head of the bidder [Annexure-A]**.
- (iii) Duly filled, signed and stamped **Technical Specification Compliance Statement (Technical Criterion)** on the **letter head of the bidder [Annexure-B]**.
- (iv) Duly filled, signed and stamped **undertaking** on the **letter head of the bidder [Annexure-C]**.
- (v) All the certificates and declarations required under the Specific Conditions of this TENDER/BID document.
- (vi) The bidder must submit/supply records and satisfactory supply certificate of completing similar item to Centrally Funded Institution/ IIT's/NIT's/ Government Organization/Public Undertakings/ Organizations of National Importance/ Educational Institution.
- (vii) Income Tax Returns and Annual report/audited annual accounts showing the turnover of the bidder.
- (viii) EMD in the form of Demand Draft must be enclosed with the Technical Bid.
- (ix) Brief description about the company including orders executed with Government organizations/Institutions, showing size, cost and completion details of each supply.
- (x) The **GST registration** number and photocopy of certificate.
- (xi) **The PAN number** of proprietor/firm/company with photocopy of the PAN card.
- (xii) **OEM certificate or authorized dealership certificate for the brand of goods /items quoted (for major equipment) in the tender.** The bidder must submit the Manufacturer Authorization (MAF for major equipment) to bid for the items as per the specification of this tender specifically.
- (xiii) The enclosed formats in original should be used for the Bids. All sheets submitted must be signed by the authorized signatory of the company and duly affixed with firm's stamp. Additional sheets, duly authenticated may be attached to elucidate specific issue, if any.

Noncompliance of any of the above may result in rejection of the bid summarily and no query in this regard shall be entertained.

(b) Financial Bid/Price Bid:

Financial bid will comprise of duly filled, signed and stamped Financial Bid in the format given at **Annexure-D**. Financial Bid/Price Bid only and must be placed in separate envelope duly sealed and signed. This envelop must be super-scribed with

"Financial Bid for supply and installation of Virtual Classroom and Conference Room Equipments".

6. Bid Security:

The Bid Security (i.e. Earnest Money Deposit, EMD) of **₹2,00,000/-** (Rupees Two Lakh Only) in the form of Demand draft from any scheduled bank drawn in favor of "Director, NIT Sikkim" payable at Ravangla, South Sikkim - 737139 must accompany with **Technical Bid. No interest shall be paid on the submitted EMD.** Offer without EMD will be rejected summarily except in case of exempted bidders holding valid MSME/NSIC license exempting such bidders from furnishing of EMD.

The Bid Security of unsuccessful bidders shall be refunded after finalization of bid/award of contract to successful bidder. EMD of the unsuccessful Bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract.

The Bid Security of the successful Bidder would be returned after the receipt of Performance Security as called for in the contract/adjusted towards performance security. No interest shall be payable to any bidder on the EMD with the Institute. The EMD of the technically disqualified bidders may be returned in original (i.e. the Demand Draft submitted along with bid).

The Bid Security shall be forfeited, (i) if a Bidder withdraws its bid during the period of bid validity; or (ii) if a Bidder makes any statement or submits any information which turns out to be false, incorrect and/or misleading at any time and/or conceals or suppresses material information: or (iii) in case of successful Bidder, if the Bidder fails to execute the order or withdraws the offer or uses means to secure the order which is prohibited as per the terms and conditions in this document. The decision of the Institute authorities shall be final and binding on the bidder(s).

7. Amendment in Bid/Tender Document:

At any time up to the last date of receipt of Bids, the Institute may, for any reason, whether at its own initiative or in response to a clarification requested by a Bidder, modify the Bid/tender document by an amendment. The amendment will be notified in writing through Institute website or email (if provided) to all the prospective Bidders, the same shall be binding on all the prospective bidders.

The Institute may, at its discretion, extend the last date for the receipt of Bids/cancel the Bidding process. It shall be the responsibility of the interested bidder(s) to regularly visit the website for any amendment/ information.

8. Bid Disqualification:

The proposal is liable to be disqualified in the following cases. However, the decision of the Institute committee shall be final and binding on all the bidders:

- (a) Proposal not submitted in accordance with instructions provided in this document.
- (b) Proposal is received in incomplete form.
- (c) Proposal is received after due date and time.
- (d) Proposal is not accompanied by all requisite supporting documents mentioned in the tender document.
- (e) The Financial Bid/Price Bid is placed in the same envelope as the Technical Bid.
- (f) If bid is not accomplished with EMD as per the clause given in this bid document.
- (g) Canvassing by the Bidder in any form, unsolicited letter and post-tender correction will invoke summarily rejection of the bid and may result in forfeiture of EMD.
- (h) Conditional tenders/Bids will be summarily rejected.

- (i) Any false/misleading/ incorrect information/document.
- (j) Bidder fails to deposit the Bid Security/Performance security or fails to enter into a contract within specified date of notice of award of contract or within such extended period, as may be specified by the Institute.

9. Queries and Clarification:

The queries and clarification in this Bid/Tender must be addressed to “Registrar” and the same must be sent through conventional mail as well as email/Fax in the format below:

S.No.	Clause No. (as per the Bid/Tender)	Your understanding /interpretation	Clarification sought from Institute

10. Clarification regarding contents of the Bids:

During evaluation and comparison of bids, the Buyer (NIT Sikkim) may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing (post/fax/email) and no change in prices or substance of the bid will be sought, offered or permitted. The clarification must be provided within the time stipulated by the Institute else the bid submitted may be rejected. No post-bid clarification on the initiative/request of the bidder will be entertained.

11. Withdrawal of Bid Submitted:

Bidders unwilling to participate in the bidding process after submitting the bid must ensure that intimation to this effect must reached the Registrar, NIT Sikkim before the due date and time of the opening of the Bids, failing which the defaulting Bidder may be delisted and will result in forfeiture of EMD.

12. Right to Accept/ Reject Bids:

The Institute reserves the right not to accept any bid and to annul the tender/bid process and reject all bids at any stage, without thereby incurring any liability or assigning any reason to the affected Bidders or any obligation to inform the affected Bidders on the grounds for such action.

13. Only One Bid per Bidder:

Each bidder shall submit only one tender either by himself or as partner in joint venture or as a member of consortium. If a bidder or of any of the partner in a joint venture or any one of the members of the consortium participate in more than one bid, the bids are liable to be rejected. Further, enterprises under common holding may bid only through one such enterprise.

14. Confidentiality:

The Bidder and their personnel shall not, either during the term or after expiration of this work order, disclose any proprietary or confidential information relating to the services, agreement or the Institutes business or operations without the prior written consent from the Institute.

15. Force Majeure:

During the pendency of the service agreement if the performance in whole or part thereof, by either party is prevented/delayed by causes arising due to any war, hostilities, civil commotion, act of public enemy, sabotage, fire, floods, explosion, epidemics, non-availability of raw material and other consumables, or any other causes including breakdown of equipment beyond their reasonable control. Neither of the two parties shall be made liable for loss or damage due to delay or failure to perform the contract during the pendency of forced conditions provided that the happenings are notified in writing within 7 days from the date of occurrence. The work shall be resumed under the contract as soon as possible after the restoration of normalcy. The Institute reserves the right to grant time period extension on the request of bidder or otherwise.

16. Termination of Purchase Order

The Institute may, without prejudice to any other remedy for breach of agreement, may terminate the purchase order/agreement in whole or in part, by written notice of default sent to the Bidder, and the performance guarantee shall stand forfeited if:

- (a) The Bidder fails to deliver any or all of the obligations within the time period(s) specified in the purchase order/ work order/contract/agreement, or any extension thereof granted by the Institute.
- (b) The Bidder fails to perform any other obligation(s) under the work order/agreement and fails to rectify it within the notice period for the rectification of the same.
- (c) Information/document submitted in technical proposal is found to be misrepresented, incorrect or false accidentally/unwittingly or otherwise at any time during the processing of the bid/contract (no matter at what stage) or during the tenure of the contract including the extension period if any. This may also invite any action (legal/debarring future participation in the bids) against the defaulter as deemed fit by the Institute.
- (d) The loss incurred due to termination of the work and addition cost incurred in completion of the work by any other firm, selected by the Institute shall be recovered from the defaulted firm/party.

17. Termination for Insolvency:

The Institute may at any time terminate the work order by giving written notice to the Bidder without compensation, if the Bidder becomes bankrupt/insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued thereafter to the Institute.

Note: Termination shall be based on the advice of Technical Committee constituted by the Institute.

18. Bid Evaluation Criteria:

The broad guidelines for evaluation of Bids will be as follows:

- (a) Only those Bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the Bid/TENDER document, both technically and financially.
- (b) In respect of Two-Bid system, the technical Bids Submitted by the Bidders will be evaluated by the Buyer's Tender Evaluation Committee (TEC) with reference to the eligibility criteria and technical specifications of the goods as mentioned in the BID/TENDER document. The Technical compliance of each Bid will be determined on the basis of the parameters and specifications specified in the BID/TENDER document. The Financial bids of only those Bidders will be opened whose Technical Bids shall qualify the technical evaluation.
- (c) The Bidders are required to spell out the **rates of GST, etc.** in unambiguous terms; otherwise their offers will be loaded with the maximum rates of duties and taxes for the purpose of comparison of prices. (Please refer to point 5 (b))
- (d) If there is a discrepancy between the **unit price and the total price** that is determined by multiplying the unit price and quantity, the **unit price** will prevail and the total price will be corrected by the Institute Committee. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price and comparison of bids.

- (e) NIT Sikkim reserves the right to modify in exceptional case any of the stipulated terms and conditions on merit / genuine and justifying grounds if it is in the larger interest of the Institute. The final acceptance of the tenders rests entirely with the NIT Sikkim who does not bind himself to accept the lowest tender. The lowest price may not be the sole criteria for deciding the successful bidder, the Institute is free to take other factors in deciding the successful bidder for award of purchase order/ work order/contract/ agreement in the interest of the Institute and its stakeholders. The Institute committee reserves all rights in this regard and no query or complaints in this regard shall be entertained. The selection will be made purely on the basis of committee's recommendation, genuineness of the firm and based on the technical specification of various products as per printed catalogues & also on the basis of experience, performance, promptness of delivery and requirement of the Institute.
19. **Firms/Bidders shall be required to accept all the Terms and Conditions mentioned in this BID/TENDER or modified/amended and shall be the part of the purchase order/work order/contract/agreement.**
20. **Placement of Order:**
The **Purchase/Work Order** will be placed on successful completion of the process to the successful bidder called the "SUPPLIER". Once the order is placed, it will be the firm/vendor's responsibility to supply the goods and complete the work awarded to the satisfaction of the Institute. It shall be the sole responsibility of the firm/vendor (Successful Bidder) to make the project functional in all respect. **Any additional cost incurred on account of this, for which the firm/vendor has not bid/quoted at the time of submission of the bid offer, will be borne by the firm/vendor.**
21. **Arbitration:**
All disputes or differences arising out of or in connection with the purchase order/ work order/contract/agreement shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Contract or relating to the performance, which cannot be settled amicably, may be resolved through arbitration. The standard clause of arbitration will be as per the Institute norms/decision. All disputes, differences, claims and demands arising under or pursuant to or touching the agreement shall be referred to the sole arbitrator to be appointed by the Institute. The award of the sole arbitrator shall be final and binding on both the parties under the provisions of the Arbitration and Conciliation Act, 1996 or by statutory modification/re-enactment thereof for the time being in force. Such arbitration will be held at NIT SIKKIM. It is clarified that Civil court shall have no jurisdiction to entertain any such disputes.
22. **Jurisdiction of Courts:**
In all matters and disputes arising here under, the appropriate Courts at Sikkim/New Delhi only shall have jurisdiction to entertain and try them only after the failure of arbitration process, if any.

Specific Terms & Conditions

1. The bidder must either be an Original Equipment Manufacturer (OEM) or an authorized dealer/ licensed Sole distributor of the item offered in the bid. The certificate of OEM/ Dealership/ Authorized Agent should be enclosed with the bid.
2. Bidder should have valid GST registration for the current financial year. Only invoices/Bills with serial numbers and printed with GSTIN number shall be accepted.

3. The bidder must submit a self-certified declaration that the bidding firm/manufacturer or the consortium has not been blacklisted from participating in the Tendering process of any Central Government Organization.
4. The bidder must submit/supply records and satisfactory supply certificate of completing similar item to Centrally Funded Institution/ IIT's/NIT's/ Government Organization/Public Undertakings/ Organizations of National Importance/ Educational Institution.
5. The bidder must have an average turnover of ₹ 1,50,00,000/- (**Rupees One Crores Fifty Lakh Only**) in the related trade in the two previous financial years i.e. 2018-19 & 2017-18. The bidder must enclose annual report/audited annual accounts or income tax return as proof for the same.
6. Bid or order may be cancelled or delivered items may be not be accepted fully or partially at any time if it is found that **Goods/items** differs or deviates from the mentioned and accepted specification in the bid. The decision of the committee constituted by the Institute for this purpose shall be final and binding on the supplier(s). Any action under this clause shall make the EMD/security deposit liable to be forfeited.
7. **Packing, forwarding, insurance, freight, loading, unloading charges should be inclusive in the price. Prices must be quoted on F.O.R basis.** For any damage/loss during transit, **supplier** shall be solely responsible and damaged/lost items must be replaced by supplier at their own cost.
8. **Validity:** Bids shall remain valid for 180 days from date of the Tender closing Date.
9. All the terms and conditions mentioned herein must be strictly adhered to by all the bidders/ firms/suppliers. Conditional tenders shall not be accepted on any ground and shall be rejected straightway.
10. The information/orders/notices, etc. communicated through **E-mail/Fax** provided by the firms/suppliers shall be treated authentic means of communication for all purposes. Providing the **correct contact details (Telephone/mobile Nos., official E-mail IDs, address, etc.)** shall be the sole responsibility of the bidders/firms/suppliers. No reason for non-receipt or non-acceptance of the information/orders, etc. through **E-mail** shall be entertained by the Institute. **The Institute may not send the above through formal postal services, if firms/suppliers so wishes may collect the Hard copy form the concern office of the Institute.** It is mandatory to sign all important documents/orders/notices, etc. to be considered valid.
11. **Delivery Period:** Total delivery and installation period for the items shall be **70 days from date of issue of Purchase Order**. The Institute reserves the right to extend the delivery time on the request with valid reason. Liquidity damage as per the tender document shall be levied in case of failure to abide by the delivery period. If supplier fails to deliver the Goods within the delivery period, NIT Sikkim may cancel full order or parts of the order and EMD will not be returned to the bidder. NIT Sikkim also reserves the right to place the order for the GOODS to any other bidder/firm/supplier in case of failure of the successful bidder
12. **Place of Delivery and Service:** National Institute of Technology, Ravangla, South Sikkim, Sikkim, Pin-737139, India (**26 km from Namchi, Sikkim, 140 km from Siliguri, West Bengal**).The consignee for the contract is Registrar/Store Officer of the Institute.
13. **Advance Payments:** No advance payment(s) will be made.
14. **Paying Authority:**

The Director, NIT Sikkim shall be the payment authority. The payments shall be released on fulfillment of all obligations under the purchase order/tender/contract to the satisfaction of the Institute authorities. The Institute authority reserves the right to withhold payment. The

payments of bills will be made on submission of the following documents by the **seller** to the paying authority;

- (a) Ink-signed copy of Commercial invoice/contingent bill/seller's bill in triplicate copy.
- (b) Exemption certificate for GST, if applicable (BY BUYER).
- (c) Details for electronic payments viz. Account holder's name, Bank name, Branch name and address, Account type, Account number, IFSC code (if these details are not incorporated in supply order/contract).
- (d) Performance Security as per the tender document.
- (e) Any other document/certificate that may be provided for in the Supply Order/Contract.

(Note: From the above list, the documents that may be required depend upon the peculiarities of the procurement being undertaken).

15. **Responsibility of ensuring quality with specification** lies with the supplier. Deviation of technical specification from the approved sample may lead to rejection of delivery or cancellation of order along with forfeiture of EMD.
16. **Warranty/Guarantee:** As mentioned in the specification from the date of successful delivery should be provided. Certificate mentioning acceptance of this clause should be enclosed with the bid.
17. Bidder may choose authorized representative with proper authorization letter for attending bids opening as per the schedule notified by the Institute time to time.
18. A bid submitted with false information will not only be rejected but also the bidder will be debarred from participation in future tendering process of NIT Sikkim and may even invite a legal action against such bidder(s).
19. Any defect pointed out by the authorized representative/committee of the Institution in the goods/items, etc. in the scope of this tender, the same shall be rectified in reasonable time as per the directions of the Institute authority. It may consist of replacement of goods/ onsite rectification at supplier's own cost. Noncompliance of the Institute directions in stipulated time may invite other clause of this bid document.
20. The bidder may enclose certificates evidencing quality, or statutory compliance along with the bid documents duly certified to be true copies. Brochures of quoted model should also be attached with the bid documents.
21. NIT Sikkim may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such a waiver, does not prejudice or affect the relative ranking of any bidder.
22. The items to be supplied under this contract shall conform to the standards mentioned in the technical specifications. And when no applicable standard is mentioned, to the authoritative standard appropriate to the goods' country of origin and such standards shall be the latest issued by the concerned institution/Organization.
23. NIT Sikkim reserves right to award the order to one or more bidder.
24. **Performance Security:**
Within 07 days (seven) of the completion of order/ work order/contract/, the successful Bidder shall furnish a Performance Guarantee of an **amount equivalent to 5% of the order value**. Performance Guarantee submitted shall be from a Scheduled Commercial Bank only. Performances guarantee in the form of Demand Draft, Fixed deposit receipt/Bank Guarantee in the standard format from a scheduled commercial bank shall only be acceptable. Performance Bank Guarantee should be valid up to 60 days beyond the date of warranty/last date of contract

period. In case of failure to submit the performance security, equivalent amount shall be deducted from the bill payable and kept as security.

25. Liquidated Damages (LD) and Penalty Clause for Delay:

In the event of the Suppliers/firms failure to supply the goods and conduct trials, installation of equipment, training, etc. as specified in this contract, the Buyer may, at his discretion, withhold any payment until the completion of the required work(s) to the satisfaction of the Institute. The BUYER may also deduct any amount/penalty from the SELLER/SUPPLIER (successful bidder) payment due as deemed necessary. Liquidated damages for the delayed/undelivered stores/goods/services/installation as mentioned above, subject to the maximum value of the Liquidated Damages being not higher than 10% of the total PO/contract value.

In case of delay attributed solely to the negligence of the firm (service provider) in the execution of supply of goods, service, etc., penalties at the following rates shall be imposed:

- (a) 1% of the total cost for delay up to 15 days;
- (b) 2% of the total cost for delay more than 15 days but less than 30 days;
- (c) 5% of the total cost for delay more than 30 days but less than 60 days;
- (d) 10% of the total cost for delay more than 60 days;

The competent authorities of the Institute reserve the right to increase the supply/installation/service etc. time period on the request of the firm or its own reasons or waive off the penalty. Maximum delay of 150 days is tolerable, beyond which the order/agreement is liable to be cancelled. The loss incurred due to non-performance of the firm/vendor will be recovered from the firm/vendor.

26. Effective Date of the Supply Order:

The work/supply/contract Order shall come into effect from the date **three days** later of its issuance by the NIT Sikkim. The firm has to acknowledge the same and shall remain valid until the completion of the obligations of the parties under the Order. The deliveries, supplies and performance of the services shall commence from the effective date of the Order. In case of non-receipt of acknowledgement from the Bidder, effective date of the Order will be the **three day from the date of signing this Order**. The information/orders/notices, etc. communicated through **E-mail** provided by the firms/suppliers shall be treated authentic means of communication for all purposes.

27. Penalty for use of Undue influence:

The Seller undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts/work orders or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Institute for showing or forbearing to show favour or disfavor to any person in relation to the present Contract or any other Contract with the Institute. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or anyone employed by him or acting on his behalf shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/penalty as the Buyer may deem proper, including but not

limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

28. Termination of Contract:

The Buyer shall have the right to terminate this Contract in part or in full in any of the following cases:

- (a) Contract can be cancelled/ terminated unilaterally by the buyer in case items are not received within the contracted delivery period. Extension of contracted delivery period will be at the sole discretion of the Buyer with applicability of LD (Liquidated Damages) clause mentioned above.
- (b) The Seller is declared bankrupt or becomes insolvent.
- (c) The delivery of material is delayed due to causes of Force Majeure by more than three months.
- (d) The Buyer has noticed that the Seller has utilized the services of any Indian/Foreign agent in getting this contract and paid any commission to such individual/company etc.
- (e) As per decision of the Arbitration.

29. Notice:

Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by E-mail/FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is to be sent.

30. Transfer and Sub-letting:

The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

31. Amendments:

No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

32. Risk and Expense Clause:

- (a) Should the stores/goods or any installment thereof not be delivered within the time or times specified in the contract documents, or if defective delivery is made in respect of the stores or any installment thereof, the Buyer shall after granting the Seller 30 days to cure the breach, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.
- (b) Should the good/stores or any installment thereof not perform in accordance with the specifications/ parameters provided by the SELLER during the check proof tests to be done in the BUYER, the BUYER shall be at liberty, without prejudice to any other remedies for breach of contract, to cancel the contract wholly or to the extent of such default.
- (c) In case of a material breach that was not remedied within 30 days, the BUYER shall, having given the right of first refusal to the SELLER be at liberty to purchase, manufacture, or procure from any other source as he thinks fit, other stores of the same or similar description to successful completion of the project in all respect.

- (d) Any excess of the purchase price, cost of manufacturer, or value of any stores procured from any other supplier as the case may be, over the contract price appropriate to such default or balance shall be recoverable from the SELLER. Such recoveries shall not exceed 10% of the value of the contract.

33. Quality: The quality of the stores/goods delivered according to the present Contract shall correspond to the technical specifications and standards valid for the deliveries of the same stores for in Seller's country or specifications enumerated as per BID/TENDER and shall also include therein modification to the stores suggested by the Buyer. The following Specification clause will form part of the contract placed on successful Bidder:

34. Inspection Authority: The Inspection will be carried out by a Technical Committee appointed by the Institute for this purpose. The mode of Inspection will be Technical Committee Inspection/or as defined by the Institute. The committee may suggest the seller with respect to above quality clause for compliance.

35. Franking Clause: The following Franking clause will form part of the contract placed on successful Bidder:

- (a) Franking Clause in the case of Acceptance of Goods "The fact that the goods have been inspected after the delivery period and passed by the Inspecting officer/committee will not have the effect of keeping the contract alive. The goods are being passed without prejudice to the rights of the Buyer under the terms and conditions of the contract".
- (b) Franking Clause in the case of Rejection of Goods "The fact that the goods have been inspected after the delivery period and rejected by the Inspecting officer/committee will not bind the Buyer in any manner. The goods are being rejected without prejudice to the rights of the Buyer under the terms and conditions of the contract." In this case action will be taken as per the clause given in this bid document.

36. Claims:

The following Claims clause will form part of the contract placed on successful Bidder:

- (a) The claims may be presented either;
- (i) On quantity of the stores, where the quantity does not correspond to the quantity shown in the Packing List/Insufficiency in packing.
- (ii) On quality of the stores/goods, where quality does not correspond to the specifications/quality mentioned in the contract.
- (b) The description and quantity of the stores are to be furnished to the Seller along with concrete reasons for making the claims. Copies of all the justifying documents shall be enclosed to the presented claim. The Seller will settle the claims within 30 days from the date of the receipt of the claim at the Seller's office, subject to acceptance of the claim by the Seller. In case no response is received during this period the claim will be deemed to have been accepted.
- (c) The Seller shall collect the defective or rejected goods from the location mentioned by the Buyer and deliver the repaired or replaced goods at the same location under Seller's arrangement.
- (d) Claims may also be settled by reduction of cost of goods under claim from Performance Security submitted by the Seller or payment of claim amount by Seller through demand draft drawn on an Indian Bank in favor of the Director/Registrar of the Institute.

- (e) The quality claims will be raised solely by the Buyer and without any certification/ countersignature by the Seller's representative stationed in India.

Note Carefully:

1. The Bidder is required to read and examine all the terms and conditions, specifications and instructions given in the TENDER/BID document with full understanding of its implications.
2. Failure to furnish any information required for submission of a bid or bids not substantially responsive in every respect may result in outright rejection.
3. The Bidder is required to give an undertaking of understanding and acceptance of all the terms and conditions mentioned in the Bid document.
4. The sole responsibility to comply with all terms and conditions, specifications and instructions in all respect lies with the bidder and NIT Sikkim shall not be held responsible in any respect in this regard.

Registrar (I/c)

The Detailed Technical Specification

S. No.	Particulars	Qty
01	Recorder	01
	Approved Make	01
	System Structure	No.
	Software Structure	
	Built-in Storage capacity	
	Encoding Format	
	Encoding Stream	
	Audio	
	Director Mode	
	Recording Mode	
	Recording Format	
	Laptop / Desktop PC Input & Output:	
	USB Interface	
	Supports 720P50, 720P60	
	HD Video Input	
	Hard Disk Interface	
	Network Interface	
	Audio Input and Output:	
	Control Ports	
	8 Pin S terminal	
02	Tracking Camera for Faculty	01
	Approved Make	01
		No.

		<p>Video Adjustment : Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve; SNR : >55 dB;</p> <p>Panoramic Camera: Sensor 1/3 inch high quality HD CMOS sensor; Effective Pixels: 2.1 Megapixel; lens: Manual Focus; View Angle (D/H/V): 122°/98°/73°</p> <p>Input/Output : Video Interface: 3G-SDI, CVBS; Network Interface: 100M network interface (10/100BASE-TX) 5G , LAN, RS232/485; Video Compression Format : H.264/H.264+ ; Compress Image Code Stream : Dual stream output; Control Protocol : VISCA/PELCO-D/Pelco-P; Baud Rate : 11520/9600/4800/2400; LAN Port : Yes ; Network Protocol : RTSP/RTMP/ ONVIF, GB/T28181; Pan Rotation : -170°~+170°;Tilt Rotation : -30°~+90°; Pan Control Speed : 0.1~80°/second ; Tilt Control Speed : : 0.1~60°/second ; Preset Speed : Pan: 80°/second, Tilt 60°/second ; Preset Number : 255 preset</p>	
03	PTZ Camera (10 X Optical Zoom)		01 No.
	Approved Make	ATDSC/OneKing / Vaddio/Sony	
	For Students	<p>PTZ camera with 10 X Optical Zoom</p> <p>Zoom: Minimum 10X Optical Zoom; Iris:f=4.7~47mm ; F1.6 ~ F3.0;Viewing Angle:6.43° (tele) –60.9° Wide ;Sensor:1 /2.8inch or better CMOS sensor; Pixels:2.07 Mega Pixel ; Video Format: SDI Video Formats: 1080P60/50/30/25/59.94/29.97 ; 1080I60/50/59.94. 720P/50/30/25/59.94/29.97; Minimum illumination:0.5 Lux ; DNR:2D & 3D DNR; White Balance: Auto/Manual/One push 3000K/3500K/4000K/4500K/5000K / 5500K/6000K/6500K/7000K; Electronic Shutter: Auto/Manual; Focus : Should be Auto/Manual/One Push; BLC:ON/Off; WDR: Off/Dynamic level adjustment; Video Adjustment: Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve; SNR : >55 dB; Interface:: USB 2.0, LAN, RS232; Video Compression Format:H.265/H.264 ; Control Protocol: VISCA/PELCO-D/Pelco-P; Baud Rate : 11520 / 9600 / 4800/2400; LAN Port :Yes; Network Protocol: RTSP/RTMP/ ONVIF, GB/T28181; Pan Rotation:+ 170°</p> <p>Tilt Rotation :+30°; Pan Control Speed: 0.1~60°/second ;Tilt Control Speed : 0.1~30°/second ;Preset Speed: Pan: 60°/second, Tilt 30°/second ;Preset Number:255 preset</p>	
04	PTZ Camera (20 X Optical Zoom)		01 No.
	Approved Make	ATDSC/OneKing/Vaddio/Sony	
	For Conference Room	<p>PTZ camera with 20 X Optical Zoom</p> <p>Zoom: Minimum 20X Optical Zoom; Iris:f=4.7~47mm ; F1.6 ~ F3.0;Viewing Angle:6.43° (tele) –60.9° Wide ;Sensor:1 /2.8inch or better CMOS sensor; Pixels:2.07 Mega Pixel ; Video Format: SDI Video Formats: 1080P60/50/30/25/59.94/29.97 ; 1080I60/50/59.94. 720P/50/30/25/59.94/29.97; Minimum illumination:0.5 Lux ; DNR:2D & 3D DNR; White Balance: Auto/Manual/One push 3000K / 3500K / 4000K / 4500K / 5000K / 5500K / 6000K / 6500K /7000K; Electronic Shutter : Auto/Manual; Focus : Should be Auto/Manual/One Push; BLC:ON/Off; WDR: Off/Dynamic level adjustment; Video Adjustment: Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve; SNR : >55 dB; Interface:: USB 2.0, LAN, RS232; Video Compression Format:H.265/H.264 ; Control Protocol: VISCA/PELCO-D/Pelco-P; Baud Rate : 11520 / 9600 / 4800 / 2400 ; LAN Port :Yes; Network Protocol:RTSP/RTMP/</p>	

		ONVIF, GB/T28181; Pan Rotation:+ 170° Tilt Rotation :+-30°; Pan Control Speed: 0.1~60°/second ;Tilt Control Speed : 0.1~30°/second ;Preset Speed:Pan: 60°/second, Tilt 30°/second ;Preset Number:255 preset	
05	Video Conferencing Software License		16 Nos.
	Approved Make	ATDSC/PlaceCam/Zoom/Blue Jeans	
		License for Two Way Communication – Audio & Video; Sharing desktop and Files; Multipoint connectivity upto 100 and more with add on License; 64 online attendees can appear on screen during multi point conferencing at one time; Built-in White Board function for writing; Recording of the session; Multi Camera support; Should have built in Voting Feature; Should support and work on Internet/Intranet/VPN; Should support Desktop/Laptop and Smart Phones; Should support documents - Word, Excel, PPT, PDF, pictures, etc.; Should have data sharing module supporting CAD drawings, stock evaluation software, MIS; system, GIS map software, CorelDraw graphic design software, web pages and other program sharing; Should support software dual display function which can separate the data and video on two screens; Should use H.264 and MPEG4 video algorithms; Should support Audio Coding and processing technology with : G.729, GSM, iLBC, Echo Cancellation, Automatic Noise Reduction, Silence suppression; Should support manual adjustment and self use bandwidth	
06	Lecture Station - Metal Frame		01 No.
	Approved Make	ATDSC/LABWE/AHA/B&S	
	Material	Mild Steel	
		Should have Tray for Keyboard. (Keyboard Dimension Standard Lenovo Keyboard)	
		Should have built-in Visualizer and 19” Interactive Panel .It should also have the flexible options in sizes for the 19” or 21.5” Interactive Panel to fit in.	
		Motorized Interactive Panel angle positioning up and down as per the user convenience.	
		Should have single Sliding tray to Protect the Interactive panel and for the controller.	
		The top of the podium should be of wood with round edges for safety.	
		Should have space for the Desktop PC in the 19” rack having for the equipment to fit in as per the International standards.	
	Sliding Shelf with electronic Lock	For placement of extra laptop or Document.	
	Sliding Drawer with lock	For Visualizer Presenter with Lock.	
	Door Lock	Yes	
	RFID Locks	Yes	
	Central Control System		
	Should be able to control from the Controller with easy identified keys - Projector / LED On Off, Motorized Screen Up & Down , Switching between PC, Visual Presenter and laptop, Volume Control.		
	Front Panel should have 17 Membrane Keys for Control Power Plug Of 220 Volt Power out for Laptop etc. HDMI x 1, VGA Port X 01, 3.5mm Audio Input X 01, Network Port wired Internet x 01		

	USB X 01 Ports to facilitate inputs directly from Pen Drives / USB based hard disk Drive. Ports for 6.35mm Microphone Input
	Back Panel of the Controller should have Should have Projector IR Controller Should have 1 RS 232 Projector Control Should have 2 HDMI In and 1 HDMI Out Should have 2 x 2 VGA matrix 1 USB Ports for front Connectivity Network Port for front connectivity Should have 2 Video in and 2 Video out 2 Audio (Left) in 2 Audio (Right) in Should have 1 x Projector Power , 1 x Electric Screen Power
Built-in Inputs on left Side	HDMI x 1, VGA x 1, USB Ports x 2, Power Plug x 1, Audio Mini In x 1, RJ 45 x 1, Microphone Input x 1, Video In x 1, Audio in (Left and Right) x 2
Signal Switching	The Interactive Monitor touch should work independently for the both Laptop and PC. Whichever source is selected PC/Laptop when both are connected to the Podium the content should appear on Interactive Panel along with touch activated of the selected source, automatically without detaching or attaching a cable.
Built-in Audio	
Microphone	1 x Gooseneck Microphone
Interactive Panel	
Panel Type	Active Matrix Color TFT backlit LED
Display Size	21.5" or higher
Resolution	1920 x 1080 pixels
Lines Per Inch	4000 lpi
Contrast	1000:1
Input	VGA In
Technology	Electromagnetic - with Pen touch only.
Interface	USB
Pressure Sensitivity	2048 Levels
Data Report	180 reports / per second
Accuracy	±0.5mm
OS	Windows / Vista / Mac / Linux
Software Feature	Should be able to Annotate on Blank and Power Point application with other application of Windows too.
Visualizer	
Pick-up Device	3.2 Mega Pixel 1/3" CMOS
Still Image Resolution	XGA, SXGA, 720P, 1080P
Frame Rate	20 frames/sec.
Image Mode	Normal/Photo/Text/Slide/Film/Gray
Zooming	12 X Optical Zoom and 12X Digital
Lamp	Two Side Lights and One Base Light Built –in
Image Capture	Yes Image Storage Built In the Visualizer.
TV Lines	800 TV Lines
Image Effect	Mirror, Rotation, Split, Black & White, Negative
Image Split	Yes
Splitter Built-in	Simultaneous output from both HDMI and VGA for two separate display.
Focusing and White Balance	Auto / Manual
Video Recording with Sound	Yes.

	Inputs	VGA x 2; HDMI x 1, Video x 2, Audio x 2	
	Outputs	VGA x 2; HDMI x 1, Video x 1, Audio x 1	
	Others	Slave USB x 1	
	Weight	Not more than 3.5 kg	
	CPU Built		
		i5, 4 GB RAM, 8 th Generation 1 TB HDD Windows Pre Loaded	
	Note : Digital Podium, Interactive Monitor and Visualizer should be from the single OEM		
07	Cordless Collar Microphone		01
	Approved Make	Work/ClockAudio/Revolab/Shure	No.
		Collar microphone; System: AFS single channel Diversity.; Frequency Band: UHF. Number of channels: 99 selectable channels. Dynamic Range:> 95 dB. Output Level: 400 mV (Balanced), 400 mV (unbalanced).; S / N:> 95 dB. De-Emphasis: 50 uS.; Power supply: 15-17V DC (External power supply included). Transmission power: 30mW. ; Modulation Type: FM. ; Deviation: 40 kHz. Spurious Emissions:> 60 dB.	
08	Cordless Handheld Microphone		01
	Approved Make	Work/Clock Audio/Revolab/Shure	No.
		Professional Diversity DUAL Wireless Handheld Microphone system in UHF band. Frequency range: 610 - 640 MHz; IR synchronism between receiver and microphones. LCD display with AF, RF, gain and frequency information. ;Manual adjustment, free frequencies scan and squelch level functions. Balanced and mix unbalanced outputs.; RECEIVER -Frequency band - UHF true Diversity; Bandwidth - 25 kHz; Frequency response - 20 Hz - 20kHz; Stability - ±0.0005%; Sensitivity - 12dBuV (80dB S/N); S/N Ratio >105dB (A); Dynamic range >100dB; Max. Audio output -10dBV HANDHELD MICROPHONE - Type Dynamic; Polar Pattern – Cardioid; RF output power - Lo: 5mW / Hi: 30 mW; Spurious emission --60dB; Maximum deviation ±48kHz; S/N Ratio >105dB (A)	
09	Wall Mount Speakers		03
	Approved Make	Work/LogicSystem/Nexo/RenkusHeinz	Pair
		Wall Mount speaker: 2 way passive loudspeaker.; Elements: 5¼" woofer + 0.5" TWT. Power handling (100 V Line): 16 W (625 ohm). ;Power handling (70 V Line): 8 W (612 ohm). ; Power handling (8 ohm): 40 W AES // 150 W peak at 8 ohm. Input connectors: Euroblock. ; Sensitivity (1W/1m): 91 dB.; Max SPL: 107 dB. Frequency response: 94 Hz - 20 kHz.	
10	Amplifier		02
	Approved Make	Work/LogicSystem/Nexo/RenkusHeinz	Nos.
		Output power 2x100W @ 8 ohm / 200W (70/100V Line); Audio inputs - 2 LINE (unbalanced), 1 MIC, 1 RJ45 (RS485 commands); Bluetooth connectivity.	

		Controllable through Tab or iPad; THD + N : @1 kHz, 15W, 80hm/160hm <= 0.1%, 1 kHz, 30W, 70V/100V <= 0.2%; Frequency response 20 Hz - 20 kHz 0dB - 0.5dB, ; Anti-feedback presets in MIC input	
11	DSP (6 Analog Mic Input)		01 No.
	Approved Make	Xilica/Biamp/Clearone/Denacoid	
		Modular OPEN-ARCHITECTURE DSP System - (Configured as 6.analog mic input 2 line output) Modular mainframe/chassis with rear card slots to accommodate maximum 16 analog audio channels. 4ch GPIO card that is selectable as inputs or outputs Built-in Dante network audio Built-in event scheduler functionality AEC inputs 16ch@100ms Controllable & programmable via Ethernet using included programming software. Control wirelessly with App via iOS and Android devices; the processors GPIO ports; or any third-party control system. Input impedance ~2k Ohms Output impedance ~50 Ohms Maximum level +20dBu Mic gain Mic (+42dB gain in 6dB steps)/Line (0dB) Premium quality Mic pre-amps in all inputs. Type Electronically balanced (w/48V Phantom) Frequency response +/- 0.15dB (20 to 20kHz) in all inputs Dynamic range 110dB typ (unweighted) Crosstalk <-110dB @ 1kHz Distortion 0.002% (1kHz @ +4dBu) Processor 40-bit Floating Point Sampling rate 48kHz A/D Conversion 32 bits resolution."	
12	DSP (8 Analog Mic Input)		01 No.
	Approved Make	Xilica/Biamp/Clearone/Denacoid	
		Modular OPEN-ARCHITECTURE DSP System - (Configured as 8.analog mic input 2 line output) Modular mainframe/chassis with rear card slots to accommodate maximum 16 analog audio channels. 4ch GPIO card that is selectable as inputs or outputs Built-in Dante network audio Built-in event scheduler functionality AEC inputs 16ch@100ms Controllable & programmable via Ethernet using included programming software. Control wirelessly with App via iOS and Android devices; the processors GPIO ports; or any third-party control system. Input impedance ~2k Ohms Output impedance ~50 Ohms Maximum level +20dBu Mic gain Mic (+42dB gain in 6dB steps)/Line (0dB) Premium quality Mic pre-amps in all inputs. Type Electronically balanced (w/48V Phantom) Frequency response +/- 0.15dB (20 to 20kHz) in all inputs Dynamic range 110dB typ (unweighted) Crosstalk <-110dB @ 1kHz Distortion 0.002% (1kHz @ +4dBu) Processor 40-bit Floating Point Sampling rate 48kHz	

		A/D Conversion 32 bits resolution."	
13	Wireless Conference System with Table Top Gooseneck Mics		02 Set
	Approved Make :	Work/ClockAudio/AudioTechnica/Shure	
		<p>Band: UHF (500-900 MHz). T.H.D.: 0.005 %. Modulation type: FM. Frequency response: 20 Hz - 18 kHz (+3 dB). SNR: > 100 dB. Harmonic distortion: > 0.8%. Effective distance: 50-80 m. RECEIVER - 4 channels with individual volume control System: Quartz oscillator circuit and constant frequency. Sensitivity: 10 uV/ 40 dB EMF. De-Emphasis: 50 mS. Audio level output: 0 - 0.35 V p.p. MICROPHONE - Table top gooseneck mics Type: Condenser. Frequency response: 60 Hz - 16 kHz. SNR: > 98 dB. Channel rejection: > 80 dB v. Harmonic distortion: > 5 %. Microphone sensitivity: - 47 ±3 dB @ 1kHz. Receiver Sensitivity: 50 uS (SINAD=20 dB).</p>	
14	Ultra Portable Wall Mount Speakers		04 Nos.
	Approved Make :	Work/LogicSystem/Nexo/RenkusHeinz	
		<p>Ultra-compact loudspeaker : Elements: 2.75" speaker. Power handling (8 ohm): 50 W RMS (with 120 Hz HPF), Sensitivity (1W/1m): 87 dB. Max SPL: 101 dB. Frequency response: 120 Hz - 20 kHz. Dispersion: 90° x 90° 100 V & 70 V connectivity</p>	
15	Interactive Flat Panel with Wall Mount		01 No.
	Approved Make	ViewSonic/Samsung/Sony/LG	
	Technology	TFT LCD with DLED Backlit	
	Display Size (diagonal)	86" or higher	
	Aspect Ratio	16:09	
	Resolution	3840 x 2160 4K Ultra HD	
	Flicker Free	Should have Blue Light Filter	
	Static Contrast Ratio	1200:1 (typ) or higher	
	Brightness	350 nits or higher	
	Display Colour	1.07B colors or higher	
	Input Ports	HDMI x 3; VGA x 1; Audio x 1 ; CVBS (AV) ; RS 232 x 1; PC Slot x 2; Slot In For PC Built-in x 1; Wi-Fi Module Slot Built-in x1; or more	
	Output Ports	HDMI x 1; Audio (Earphone out) x 1; SPIDF x 1; LAN Or more	
	LAN	RJ 45 x 1 or more	
	USB	3.0 Type A x 3; 2.0 Type A x 3 2.0 Type B (For Touch) x 2	
Speakers	16W x 2 Stereo speakers		
Touch	Type: Should be IR Recognition; Touch Resolution: 32767 x 32767 or higher Touch Point: 20 Points or higher Writing: 10 Points or higher		

	Response Time: < 4ms or better Supports: Windows 10/ Windows 8 / Windows 7 / Windows XP / Vista / Linux/ MAC / Android/ Wince / Chrome
Embedded Player CPU Inbuilt	Android Version: 5.1 or higher CPU: ARM Quad Core Cortex A53 1.2G Hz or higher GPU: ARM Mali-450 MP 4 or higher Memory: 2GB or higher Storage: 16GB eMMC or higher Networking: 10/ 100M auto-identification and DHCP
Anti Scratch – Anti Glare	Minimum 7H scratch resistant and Anti Glare or higher
Mirror Extending	Should have flexibility to allow content to be mirrored on two IFP simultaneously through HDMI Out.
Save Option	Should have Built-in save option, which should save the whole session directly to Google Drive and One Drive.
Quiz	Should have Built in Tool to allow participants to submit answers from their Smart Phones using as answering/voting device.
Zoom Video Conferencing	Should have Built in Zoom Video Conferencing as an integral part of IFP
QR Code Scan	Should be able to in Android mode on press of a icon the whole session / annotation should be converted into a PDF file and can be downloaded in any Smartphone just by scanning the QR code.
Email	Should be able to in Android mode on press of a icon, a email should be generated automatically along with the whole session / annotation attached as PDF and should be ready to be sent just by inserting the email id.
Split Screen	Should have the feature, built-in facility to split the screen in 2,3,4,5 and.6 where in six application can be opened from a single PC/Laptop allowing to work on all opened application simultaneously.
Annotation/Writing	Should be able to write on a Blank screen and on any application – PPT, Word, Excel, PDT, Web Browser, Video etc.
Floating Tool	Should have floating tools which should appear just by press of 2 fingers for writing / annotation
Wireless Content Sharing	The Panel should allow user to share / mirror the content of Laptop/Desktop (Mac, Windows) and mobile devices (iOS, Android) wirelessly Wireless Presentation should allow user to access their Laptop / Desktop through touch Panel.
Video Conference	Should support USB based PTZ cameras allowing Software based Video Conferencing
Software	The software features required should be the integral part of the IFP and both IFP and the software offered should be from the same OEM.
BIS Certificate	The IFP and the model quoted should be BIS Certified. Attach the certificate along with catalogue.
Built-in PC Slot	Should have slot for the built-in PC
Optional; PC for the Built-in PC Slot	Yes
Wi-Fi and Bluetooth Dongle	CPU : Realtek RTL 8821AU-VS; Interface: USB-2.0; Wireless / Bluetooth- WiFi Standard: 802.11 a/b/g/n/ac, 2.4G & 5G (5150Mhz-5250MHz & 5725MHz-5825MHz) Up to 433.5Mbps; Bluetooth: Support 2.1/3, 0/4.0 BLE; Vo;tag : 5V DC, Consumption: <2.5W

16	LED Display with Ceiling Mount		04 Nos.
	Aproved Make	LG/Panasonic/Samsung/Sony	
	Technology	LED	
	Size	65"	
	Contrasat Ratio	1000:1 or Higher	
	Input	HDMI Input	
17	Splitter Signal Extender		01 No.
		1 In 4 Out with Transmitter and Receiver	
18	Wall Mount		04 Nos.
		Wall Mount Stand for 86"	
19	Ceiling Mount		04 Nos.
		Ceiling Mount for LED of 65"	
20	Cable and Connectors	Standard CAT-6 cables, HDMI cables, speaker cables, microphone cables and connectors to successfully run the solution. (Quantity: As per necessity)	
21	9U Rack	Standard rack for equipments	01 No.

Note: Warranty for the supplied items/goods will be 01 year from the date of successful installation.

(Annexure-A)

Part-I: Format for Submission of Technical Bid (Bidder Profile)

(To be sealed in a separate envelope as per directions)

S.No.	Particulars	Fill-in Details	Ref No/ remarks if any
01	Name and address of the Firm/Agency		
02	Whether the firm is Proprietary/Partnership Firm/Private Ltd./Public Ltd./Others.		
03	Name of Proprietor/Partner of the firm/Agency		
04	Name & contact detail of Authorized representative: (Designation, Address, Mobile No., E-mail ID)		
05	Month and Year of Establishment of Firm		
06	Number of years of experience in this field		
07	Registration Number of the Firm		
08	Valid GSTIN Number		
09	PAN of the firm or Proprietor		
10	Firm's Address		
11	Turnover of the firm	2018-19: 2017-18:	
12	OEM/Authorized Dealership (Brand) (Original Equipment Manufacturer)		
13	Detail of Demand Draft submitted for EMD of Rs.	DD No. Date:	
14	Relevant documents as in the Tender Document		

**All fields are mandatory to fill with the copy of duly signed and stamped proof. These above points together constitute eligibility criteria.*

(Annexure-B)

COMPLIANCE STATEMENT
Technical Bid

The following is the Model Quoted against the below mentioned Specification:

S. No.	Item	Make and Model No. (As applicable)	Technical compliance (Write Yes or No)	Detailed technical specification (Write Attached or Not attached)	OEM or Authorized Dealership (Write Attached or Not attached)
01	Recorder				
02	Tracking Camera for Faculty				
03	PTZ camera with 10 X Optical Zoom				
04	PTZ camera with 20 X Optical Zoom				
05	Video Conferencing Software License				
06	Lecture Station - Metal Frame				
07	Cordless Collar Microphone				
08	Cordless Handheld Microphone				
09	Wall Mount Speakers				
10	Amplifier				
11	DSP (6 Analog Mic Input)				
12	DSP (8 Analog Mic Input)				
13	Wireless Conference System with Table Top Gooseneck Mics				
14	Ultra Portable Wall Mount Speakers				
15	Interactive Flat Panel with Wall Mount				
16	LED Display with Ceiling Mount				
17	Splitter Signal Extender				
18	Wall Mount				
19	Ceiling Mount				
20	Cable				
	Connectors				
21	Rack				

(Annexure-C)

Undertaking

(On the letter head of the bidder)

To,**The Registrar
National Institute of Technology Sikkim
Ravangla, South Sikkim-737139**Sub.: Undertaking for *Tender No:* *Date:***Dear Sir,**

This is to undertake that I/We, owner(s) of M/s, of ...<*name of city*>.... have read all the terms and conditions, specifications etc. of this Tender document and I/We fully understood all of them and I/We are fully aware of their implications. We undertake that if I/We were given the Purchase Order (PO), will abide by all the terms and conditions of the Tender document and provide all the goods/items to the satisfaction of the Institute authorities.

I further undertake that after understanding all and their implications all the pages of this tender document are signed and stamped by the authorized person of the firm. The documents and information furnished by me/firm is correct in all respect and if anything found incorrect, I shall be liable for the action as per the terms and conditions given in this tender document.

Signed by

(Name)

Authorized Signatory of M/s

Official Stamp

Date:

Place:

(Annexure-D)

PART-II: Financial Bid

(To be sealed in a separate envelope duly signed)

S. No.	Name of items	Unit	Unit Price (₹)	GST (@ %)	Total Unit Price (₹)
01	Recorder	01 No.			
02	Tracking Camera for Faculty	01 No.			
03	PTZ camera with 10 X Optical Zoom	01 No.			
04	PTZ camera with 20 X Optical Zoom	01 No.			
05	Video Conferencing Software License	01 No.			
06	Lecture Station - Metal Frame	01 No.			
07	Cordless Collar Microphone	01 No.			
08	Cordless Handheld Microphone	01 No.			
09	Wall Mount Speakers	01 Pair			
10	Amplifier	01 No.			
11	DSP (Configured as 6.analog mic input 2 line output)	01 No.			
12	DSP (Configured as 8.analog mic input 2 line output)	01 No.			
13	Wireless Conference System with Table Top Gooseneck Mics	01 Set			
14	Ultra-Portable Wall Mount Speakers	01 No.			
15	Interactive Flat Panel with Wall Mount	01 No.			
16	LED Display with Ceiling Mount	01 No.			
17	Splitter Signal Extender	01 No.			
18	Wall Mount	01 No.			
19	Ceiling Mount	01 No.			
20	Cable	Per Meter			
	Connectors	01 No.			
21	Rack	01 No.			

Total Amount (In figure):

(In words):

Note: The quoted price should be inclusive all charges (taxes, transportation, etc.). No extra charges will be paid. Rate quoted must be F.O.R. NIT Sikkim.

Bank Account Details for Direct PaymentTo be submitted by bidder

S.No.	Particulars	Details
01	Firm (Beneficiary) Name	
02	Please enclose a cancelled cheque	
03	Complete Bank Account No. of the Firm [beneficiary]	
04	Bank Name & Address	
05	IFS Code	
06	Mobile No. & Email ID for information	

We undertake that all information provided above is correct and NIT Sikkim will not be responsible in case of any error on the part of firm.