

E-Tender Document

for

**Design, Planning, Supply, Installation, Testing, Commissioning and
Maintenance of ICT components for new campus of IIM Shillong,
Shillong**

PART-I: TECHNICAL BID



EdCIL (India) Limited

Corporate Office:

A Govt. of India, Mini Ratna Category-I CPSE

EdCIL House, Plot No. 18A, Sector 16A,

Noida-201301 (U.P.) India

Tel: 0120 – 2512001-006, FAX: 0120-2515372

Registered Office:

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Barakhamba, Barakhamba Rd,

Connaught Place,

New Delhi, Delhi 110001



NIT No- EdCIL/DES/Shillong/IIM/2020/01

Dated: 04.09.2020

This document is serially numbered from page number 01 to 116

DISCLAIMER

The information contained in this Request for Proposal document (the "RFP") or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of the EdCIL (India) Limited or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an Agreement and is neither an offer nor invitation by EdCIL to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in making their financial offers (BIDs) pursuant to this RFP. This RFP includes statements, which reflect various assumptions and assessments arrived at by EdCIL in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This RFP may not be appropriate for all persons, and it is not possible for the EdCIL, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP. The assumptions, assessments, statements and information contained in the Bidding Documents may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP and obtain independent advice from appropriate sources.

Information provided in this RFP to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The EdCIL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

EdCIL, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this



RFP or arising in any way for participation in this BID Stage.

EdCIL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP. EdCIL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP. The issue of this RFP does not imply that EdCIL is bound to select a Bidder or to appoint the Selected Bidder, as the case may be, for the Project and EdCIL reserves the right to reject all or any of the Bidders or BIDs without assigning any reason whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its BID including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by EdCIL, site visits, investigations, studies or any other costs incurred in connection with or relating to its BID. All such costs and expenses will remain with the Bidder and EdCIL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the BID, regardless of the conduct or outcome of the Bidding Process.



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Notice Inviting Tender

(e-Tendering mode)

EdCIL (INDIA) LIMITED
(A Govt. of India Mini Ratna CATEOGRY-I CPSE)
SECTOR 16A, NOIDA

Date: 04 Sep 2020

N.I.T. No.: EdCIL/DES/Shillong/IIM/2020/01

Name of work	Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong.
The Currency in which payment shall be made	Indian Rupees (INR)
Date of Issue/e-Publishing	04 September 2020
Document Download Start Date	04 September 2020
Document Download End Date and Time	28 September 2020 at 12:30 Hrs
Date for Pre-Bid Conference and Time	16 September 2020 at 15:00 Hrs
Bid queries should reach by	14 September 2020 at 17:00 Hrs Bid queries received later than the date and time as mentioned above shall not be entertained. Pre-bid queries should be emailed to destenders@edcil.co.in & kssahni@edcil.co.in as per format at Annexure-XVI
Venue of Pre-Bid Conference	EdCIL House, 18 A, Sector-16 A, Noida, U.P. 201301
Last Date and Time for receipts of Bids	28 September 2020 upto 13:00 Hrs. In case a Holiday is declared on the day of the event, the same will be held on the next working day at the same time & venue.
Date and Time of Opening of Technical Bids	28 September 2020 at 15:00 Hrs
Date and Time of Opening of Financial Bids	To be informed later



Earnest Money Deposit	Rs. 9,00,000/- (Nine Lakhs Only) in form of Bank Guarantee from a Nationalized Bank in India/ Demand Draft. Scanned copy to be uploaded with tender documents and original BG/ DD has to be submitted along with documents as per the Instructions to bidders. In case EMD is submitted in the form of BG, the BG should be valid beyond 45 days after the bid validity date and should be as per Annexure-X
No. of Covers	02 (Two Packets)
Bid Validity days	180 days (From last date of opening of tender)
Performance Bank Guarantee (PBG)	10% of the total work value from the successful bidder. PBG is required to be submitted within 7 days from the date of issue of LOI/LOA as per Annexure-XI
Purchaser and Place of delivery	Billing to be submitted to EdCIL (India) Ltd. Successful bidder shall be responsible for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components in Shillong, Meghalaya as per the scope of work mentioned in the tender document.
Email Address	destenders@edcil.co.in & kssahni@edcil.co.in
Corporate Office	EdCIL House, 18-A, Sector 16A, Film City, Noida, Uttar Pradesh 201301
Registered Office	Vijaya Building Barakhamba, Barakhamba Rd, Connaught Place, New Delhi, Delhi 110001

1. Tender document shall be downloaded from electronic tender portal link available at www.tenderwizard.com/EDCIL or EdCIL's website or IIM Shillong's website or central procurement portal. Aspiring bidders who have not get registered in online portal should get registered/enrolled before participating. Interested bidders are advised to go through instructions provided at "Instructions to Bidders for e-tendering."
2. No manual bids shall be accepted. All bids (both Technical and Financial) should be submitted in the online portal. However, all the credentials mentioned in clause 1.1 should be submitted offline, after submission of online bids.
3. Bidders are advised to visit the EdCIL Website/www.tenderwizard.com/EDCIL for getting them updated for information on this tender. Corrigendum and addendum may be issued on the



changes required. Reply on pre-bid queries received by EdCIL shall be displayed on EdCIL website/e-tendering website. Bidders are advised to visit the webpage regularly and update themselves. The Pre-Bid queries, Corrigendum/addendum are the part of tender document and Bidders are supposed to upload the same accordingly, duly signed as per the guidelines given in the tender document.

Chief General Manager (DES)
EdCIL (India) Limited,
18 A, Sector-16A, Noida-201 301
Tel: 91-120-2512001 to 2512006



CHAPTER- I

Offline and Online Bid Submission Documents

1.1 Offline Submissions:

The bidder is requested to submit the hardcopy of the below mentioned documents in a Sealed Envelope and the proposed services for ICT components in the bid to the under mentioned address before the start of Public Online Tender Opening Event.

The envelope shall bear the project name, the tender number and the words 'DO NOT OPEN BEFORE' (due date & time).

- I. Original copy of the EMD Security in the format as applicable.
- II. Original copy of the power-of-attorney.

Note: The Bidder should also upload the scanned copies of all the above-mentioned original documents as Bid-Annexure during Online Bid-Submission.

1.2 Online Submissions:

The Online bids (complete in all respect) must be uploaded online in **two** envelopes as explained below: -

Envelope – 1 (Following documents to be provided as single PDF file) *file size shall be less than 5 MB each.			
Sl. No.	Documents	Content	File Types
1.	Technical Bid	Technical Compliance as per Annexure-I	.PDF
		Organization Declaration Sheet as per Annexure-II	.PDF
2.		Letter of Undertaking as per Annexure-III	.PDF
3.		Undertaking of Non Blacklisting as per Annexure-IV	.PDF
4.		Annual Average Turnover as per Annexure-V	.PDF
5.		Performa for declaration on proceedings under insolvency and bankruptcy code, 2016 as per ANNEXURE- VI	.PDF
6.		List of orders executed for Govt. Organization as per Annexure VII	.PDF
7.		Power of Attorney as per Annexure VIII	.PDF



8.		Letter of Bid Submission as per Annexure IX	.PDF
9.		Earnest Money Deposit as per Annexure X	.PDF
10.		Proforma pre contract integrity pact Annexure XII	.PDF
11.		Manufacturer Authorization Form as per Annexure XIII	.PDF
12.		Tender Checklist as per Annexure XIV	.PDF
13.		Equipment Specification Compliance as per Annexure-XVIII	.PDF
14.		Solvency certificate for minimum value of Rs. 6 Crores; not more than 6 months old	.PDF
Envelope-2			
Sl. No.	Documents	Content	
1.	Financial Bid	Financial bid submission form as per ANNEXURE- XX and Price bid as per Bid Forms (Form-I)	.PDF



CHAPTER-II

Term of Reference & Definitions

Term	Definition
Supplier	“Supplier” means any company or firm responding to the “Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components, audio, video & surveillance components for new campus of IIM Shillong, Located at Umsawli, New Shillong Town Ship, Meghalaya.
Authorized Signatory	The bidder’s representative (explicitly, implicitly, or through conduct) with the powers to commit the authorizing organization to a binding agreement. Also called signing officer/authority having the Power of Attorney from the Competent authority of the respective Bidding firm.
Bid	"Bid" means the response to this document presented in Two Packets, Technical Cum Commercial Bid and Financial Bid, which are supplied with necessary documents and forms as given in Annexure, complete in all respect adhering to the instructions and spirit of this document.
Bidder	“Bidder” means any company or firm responding to Request for Proposal and who makes a Bid.
Contract	“The Contract” means the agreement entered into between EdCIL and the selected bidder(s) in terms of clauses mentioned
Day	“Day” means a working day as per rules of EdCIL.
EMD	Earnest Money Deposit
D.D	Demand Draft
EdCIL	EdCIL (India) Limited, Noida (A Mini Ratna Category -I CPSE)
TC	Tender Committee
PBG	Performance Bank Guarantee
Security Deposit (SD)	Amount of the Order Value deposited by the Bidder and retained till the successful completion of the project (as long as the bidder fulfills the contractual agreement).
Services	“Services” means the services to be delivered by the successful bidder and as required to run the project successfully as per the Contract.
RFP/Tender	“ RFP ”/Tender means the Request for Proposals
Goods and Materials	“Goods and Materials” shall mean the articles, materials, equipment, IT Equipment, supplier’s drawings, data and other property and all services-including design, delivery, installation, inspection and maintenance support specified or required to complete the order and incidental thereto.
Order	“Order” shall mean the Purchase Order/Work order and its attachments and exhibits.



Consignee	“Consignee” shall mean IIM Shillong , Located at Umsawli, New Shillong Town Ship, Meghalaya, where the items are to be supplied, installed and commissioned.
EdCIL/ Purchaser	“EdCIL/ Purchaser” shall mean EdCIL (India) Limited.
Similar type of work	Similar type of work means Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of LAN System Work along with CCTV/ Access Control/ VOIP/ Video Conferencing work as mentioned in the tender document elsewhere



CHAPTER-III

Instructions for e-Tendering

3.1 Instructions for Online Bid Submission:

- 1) E-tendering is new technology for conducting public procurement in a transparent and secured manner. As per Government of India's directives, EdCIL (India) Limited has adopted E-tendering.
- 2) For conducting electronic tendering, EdCIL (India) Limited has decided to use Electronic tender portal link available with detailed information on e-tendering process. This portal built using Electronic tender's software is referred to as <http://www.tenderwizard.com/EDCIL>.
- 3) The bidders are required to submit soft copies of their bids electronically on <http://www.tenderwizard.com/EDCIL> e-tendering website, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the Tender Wizard E-Tendering Portal, prepare their bids in accordance with the requirements and submitting their bids online on the Tender Wizard E-Tendering Portal.
- 4) The scope of work to be tendered is available in the complete bid documents which can be viewed /downloaded from Tender Wizard E-Tendering Portal of <http://www.tenderwizard.com/EDCIL>. Both Technical Bid and Financial Bid will be submitted concurrently duly digitally signed in the website <http://www.tenderwizard.com/EDCIL>. No claim shall be entertained on account of disruptions of internet service being used by bidders. Bidders are advised to upload their bids well in advance to avoid last minute technical snags.
- 5) All Corrigendum/Amendment/Corrections, if any, will be published on the website <http://www.tenderwizard.com/EDCIL> as well as on EdCIL's website/IIM Shillong's website.
- 6) It is mandatory for all the applicants to have class-III Digital Signature Certificate (in the name of person who will sign the bid document) from any of the licensed certifying agency (Bidders can see the list of licensed Certifying Agencies from the link www.cca.gov.in) to participate in e-Procurement of EdCIL.
- 7) It is mandatory for the bidders to get their firm/company registered with e-procurement portal of EdCIL, i.e. www.tenderwizard.com/EDCIL to have user



ID & password by submitting a non-refundable annual registration charges as follows:

1	Registration charges for 1 year	Rs. 2000/-
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(exclusive of taxes, levies, etc.) which can be paid online using the e-payment gateway to KEONICS through the portal address mentioned above. The registration so obtained by the prospective bidder shall be valid for one year from the date of its issue and shall be subsequently renewed.

(i) Participant shall safely keep their User ID and password, which will be issued by the service provider i.e. KEONICS Ltd. upon registration, and which is necessary for e-tendering.

(ii) Bidders are advised to change the password immediately on receipt of activation mail.

(iii) Bidders shall not disclose their User ID as well as password and other material information relating to the e-tendering to any one and safeguard its secrecy.

- 8) Submit your tender well in advance by relevant documents along with copy of EMD of tender submission deadline on **Tender Wizard E-Tendering Portal** <http://www.tenderwizard.com/EDCIL>, as there could be last minute problems due to internet timeout, breakdown, etc.
- 9) Tenders should be submitted only through Tender Wizard E-Tendering Portal and obtain the Tender Acknowledgement copy as a proof of successful submission.
- 10) Vendors are requested to contact at Tender wizard Helpdesk for any information regarding E-tendering / training.
 - a) For online registration, intended bidders may write us at harishkumar.kb@etenderwizard.com or contact no. 080-40482100/9964074577/9650520101.
 - b) For any further query related to Training Session, Tender Uploading/downloading or any other query related to tender please contact Tender wizard Helpdesk.
 - c) Telephone: 080-40482100/9650520101/9964074577 or write us mail on Email Id:- harishkumar.kb@etenderwizard.com, ratana.thakur@etenderwizard.com, varun.b@etenderwizard.com.



3.2 PREPARATION OF BIDS

- I. Bidder should take into account any corrigendum/addendum published on the portal before submitting their bids.
- II. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents-including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- III. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/ schedule and generally, they can be in PDF format. Bid documents may be scanned with 100dpi with black and white option.

3.3 SUBMISSION OF BIDS

- I. Bidder should log into the site well in advance for bid submission and complete all formalities of registration (at least two days in advance of the closing date) so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be sole responsible for any delay in uploading of bid within the stipulated time.
- II. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- III. Bidder has to pay EMD as applicable through demand draft/BG as per tender condition in favour of “EdCIL (India) Ltd” payable at Noida and enter details of the instruments. Original copies of demand draft/BG for EMD are required to be submitted.
- IV. A standard Financial Bid form has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the financial bid format is found to be modified by the bidder, the bid will be rejected.
- V. The server time will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.



VI. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

3.4 ASSISTANCE TO BIDDERS

Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority. For any other tender related queries bidders are requested to contact on below given numbers/email.

Telephone/ Mobile/ E-mail ID	<p>Vendors Training Program: Vendors are requested to contact at Tender wizard Helpdesk Office for any information regarding E-tendering / training.</p> <p>a) For online registration, intended bidders may write us at harishkumar.kb@etenderwizard.com or contact no. 080-40482100/9964074577/9650520101.</p> <p>b) For any further query related to Training Session, Tender Uploading/downloading or any other query related to tender please contact Tender wizard Helpdesk.</p> <p>Telephone: 080-40482100/9650520101/9964074577 or write us mail on Email:Id:- harishkumar.kb@etenderwizard.com, ratan.thakur@etenderwizard.com, varun.b@etenderwizard.com & cc to: destenders@edcil.co.in</p>
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3.5 Offline Submissions: (AS PER TENDER REQUIREMENT)

The bidder is requested to submit documents as mentioned in the **Clause 1.1**

3.6 MINIMUM REQUIREMENTS AT BIDDER'S END

- Computer System having configuration with minimum Windows 7 or above, and Broadband connectivity
- Digital Certificate(s)



CHAPTER-IV

Instruction to Bidders

- 4.1 Due date:** The tender has to be submitted before the due date and time. The offers received after the due date and time will not be considered.
- 4.2 Preparation of Bids:** The offer/ bid shall be submitted in two bid systems (i.e.) Technical Bid and Financial Bid. The technical bid shall consist of all technical details along with commercial terms and conditions. Financial bid shall indicate component wise price for the entire mentioned component in the financial bid in the given format.
- 4.3 Language of Proposal:** The proposal prepared by the firm and all correspondence and documents relating to the RFP exchanged by the bidder and the Client, shall be written in the English language, provided that any printed literature furnished by the firm may be written in another language so long as accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.
- 4.4 Cost of Bidding:** The bidder shall bear all costs associated with the preparation and submission of its bid, including cost of presentation for the purposes of clarification of the bid, if so desired by the client and client will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. The firm is expected to carefully examine all instructions, forms, terms and specifications in the bid document. Failure to furnish all information required in the bid document or submission of a bid not substantially responsive to the bid document in every respect will be at the firm's risk and may result in the rejection of the bid.
- 4.5 EMD:** The Bidder should submit EMD through Bank Guarantee/ Demand Draft drawn in favour of "EdCIL (India) Limited" payable at NOIDA/ New Delhi from any nationalized bank. The Bid sent without EMD would be considered as UNRESPONSIVE and will not be considered.

In case EMD is submitted in the form of BG, the BG should be valid beyond 45 days after the bid validity date and as per Annexure-X

The bidders are requested to submit EMD in the form of Bank Guarantee/ Demand Draft drawn in favour of EdCIL (India) Limited and payable at NOIDA, with the Technical Bid.

Note:

Bidders registered with MSME and having valid registration certificate issued by NSIC/MSME are exempted for submission of EMD. However, all bidders including MSMEs/Start-Ups must submit their financial solvency certificate issued not earlier than 6 months of last date of submission of Bid.



4.6 Refund of EMD:

- i. The EMD will be returned to unsuccessful Bidder(s) after the award of work to successful bidder.
- ii. Earnest money will be forfeited if the bidder unilaterally withdraws the offer, or Unilaterally amends, impairs or rescinds the offer within the period of its validity.
- iii. In Case of Successful Bidder, the EMD shall be refunded after submission of 10% Performance Bank Guarantee from a Nationalized bank operating in India.

4.7 Acceptance/ Rejection of bids:

EdCIL reserves the right to reject any or all offers without assigning any reason.

EdCIL based on the requirement without assigning any reason to the Bidder may split work/Scope/Bid offer in stages or in parts according to the need of work for ease of execution of work.

4.8 Performance Security

1. The successful bidder should be required to deposit Performance Bank Guarantee equivalent to 10% of contract value to EdCIL within 7 days from the date of receipt of Work Order. The Performance Bank Guarantee (PBG) should be issued by a nationalized bank in favor of "EdCIL (India) Limited" to be valid for a period of 90 days beyond the date of completion of Contract period (including warranty i.e. 3 years & Commissioning of 06 months)
2. This Performance Bank Guarantee should be retained throughout the currency of the contract and should be extended by the bidder from time to time, as required by EdCIL.
3. PBG shall be returned to the successful bidder only after 90 days of the successful completion of the Contract period (including warranty i.e. 3 years & Commissioning of 06 months). In case of any shortfall of any activity/ specification/ other terms and conditions of the contract, EdCIL reserves the right to recover damages or loss from the due payment or by the encashment of PBG.

4.9 Amendment in Tender Document:

At any time up to the last date for receipt of RFP, EdCIL may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective firm, modify the Bid Document by an amendment. **The amendment will be notified on EdCIL's website and IIM Shillong's website.**



CHAPTER-V

Scope of Work

INTRODUCTION

IIM Shillong is an institute established at Mayurbhanj Complex, Nongthymmai, Shillong providing education in the core areas of Management.

IIM Shillong wishes to set up the LAN for the entire campus and thus providing high connectivity, scalable, reliable, secure and robust network architecture. It is intended to build a new network for IIM Shillong that will provide latest technology benefits like data security, guaranteed application response, reliability etc. The network will also support multimedia, audio and video streaming and accessing other latest facilities which can be integrated in the future. High speed connectivity will be offered to various departments users across the building.

The network infrastructure as well as the IT setup should offer minimal downtime due to failure or breakdown of links or devices. The redundant network backbone shall ensure that there is no delay in the flow of information and data, irrespective of file size or amount of network traffic at any given point in time.

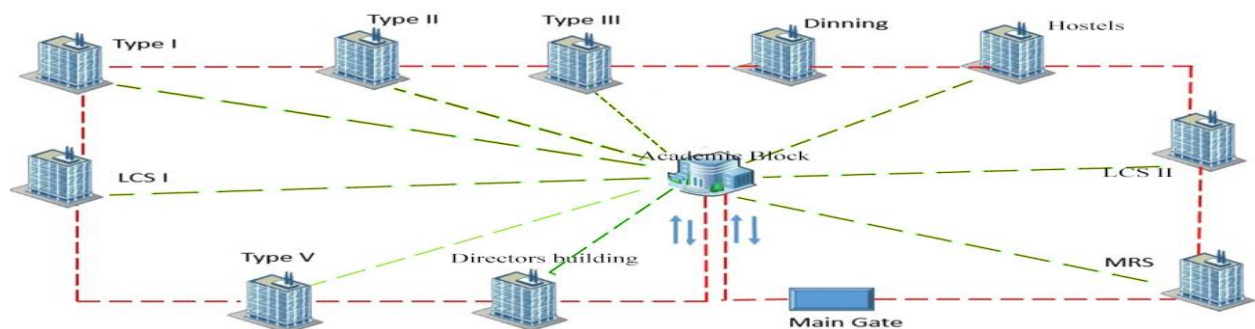
The network shall be scalable as well as flexible so that future expansions and enhancements can be made in keeping with the rapid growth of technology and growing demands. Future augmentations and expansions should not require forklift upgrades for any of the ICT components to be deployed now.

General purpose from the Network:

The purpose of the project is to provide internet connectivity to students including Wi-Fi facilities, voice connectivity over IP Network for faculty and staff, CCTV & Access control system for enhancing the security of the campus and Video conferencing system for easy connectivity with the outside environment. The classrooms, hostels, academic buildings, director bungalow, dining hall etc. shall be provided with the connectivity of internet and other services like CCTV, Access control and voice over IP connectivity.

Network Plan

Two internet connection link would be made available by the ISP at a central location (i.e academic building). The NGFW, core switch and distribution switch will be installed at the central building i.e., Academic block. This is also planned to place Access point (AP), CCTV in each of the required locations like academic building and student hostels.

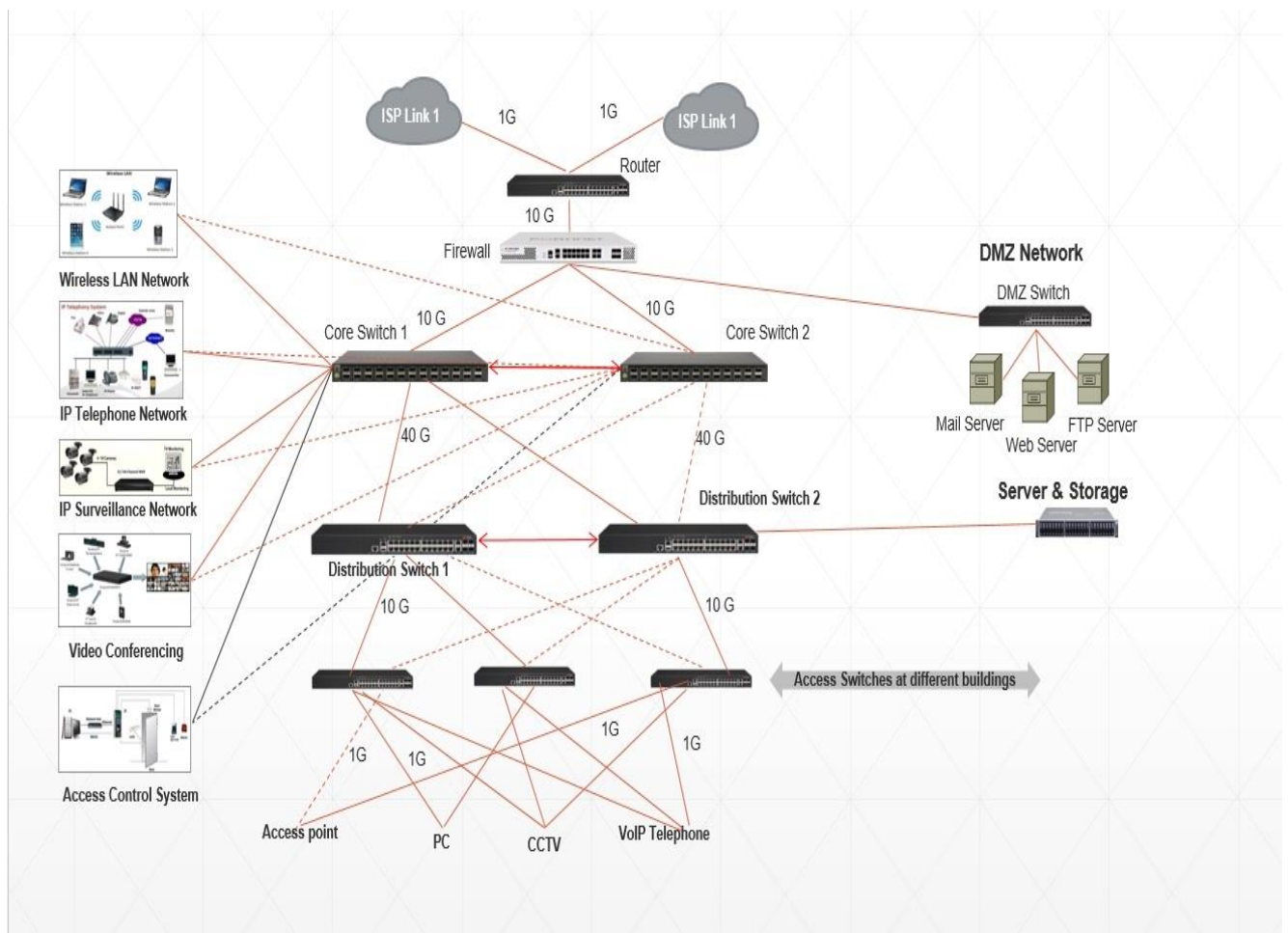




A centralized wireless LAN controller will control and manage the entire wireless LAN (WLAN) setup. The wireless controller will be placed at the “Academic” building’s network enclosure and connected directly to the core switch.

The AP’s, VoIP telephones, CCTV and Video conference system will be connected to the access switch of the respective building through UTP cables. The port of the access switch should support PoE+ (power over Ethernet) and AP’s, CCTV camera, IP phones will draw power from switch itself.

Proposed Network Connectivity Diagram



- 5.1 EdCIL (India) Limited has been entrusted by IIM Shillong for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong.
- 5.2 The selected Bidder shall perform the activities for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, as per the scope of work and maintain until completion of the agreement period.
- 5.3 **Scope of Supply**

Supply System of all components as per BQQ at new campus of IIM Shillong, with 3 years of OEM



warranty and thereafter AMC of three (03) years.

5.4 Inspection and Tests

- The successful Bidder shall facilitate and make available a random 5% sample of each equipment type being supplied by them for a Pre-dispatch Inspection (PDI) by a committee comprising of EdCIL/ IIM Shillong's representatives at a centralised location in India from a lot of 10% of total quantities. The PDI will be a key requirement prior to shipment of the equipment to site. The PDI will be carried out as per the list of parameters provided in Annexure XVIII
- In the event of the hardware and software failing to pass the PDI, as per the specifications given, a period not exceeding 3 days will be given to the selected Bidder to rectify the failure and clear the inspection, failing which, EdCIL reserves the right to cancel the Purchase Order and levy appropriate penalties in addition to the Liquidated Damages. EdCIL will not be responsible for any costs associated with such rejection.
- Additionally, the bidder shall replace the complete lot of equipment belonging to an equipment type, if more than 5% of the sample size for the equipment types, are found defective during the PDI. If the lots for two consecutive types of equipment are rejected, the entire shipment of equipment by the manufacturer shall stand rejected and shall have to be replaced by the selected Bidder with a fresh batch of equipment for shipment and related PDI. Any cost impacts of rejection at any stage shall be borne by the Bidder. If the complete shipment is rejected, EdCIL reserves the right to cancel the Purchase Order and levy penalties in addition to the Liquidated Damages. All penalty calculation is explained in detail in SLA.

5.5 Scope of Installation, Configuration and Integration

- Getting approval for the design layout and freezing the exact requirement of campus in context of Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong.
- Physical installation and powering of all supplied components as per approved layout.
- Complete configuration and integration of all the components.
- **Any structure, permanent or temporary, dismantled or destroyed during the execution of the work shall, will be refill/remake or restore to its previous condition by the successful bidder at its own cost.**

5.6 Scope of Acceptance Testing and Commissioning

- After installation and configuration of each and every system/ subsystem, test shall be conducted for system's performance at the end point with the help of testing equipment.
- Commissioning shall mean end-to-end commissioning of the complete System with testing of test parameters, commitments etc and shall be submitted along with implementation plan, which shall be approved by EdCIL/IIM Shillong.



- In the event, the test parameters, commitments are not submitted or not accepted explicitly in writing/minutes by EdCIL/ IIM Shillong; the test parameters, commitments etc. as decided by EdCIL/ IIM Shillong will be final and binding.
- Upon Self-testing and Commissioning, the system shall be offered for inspection to EdCIL/ IIM Shillong.
- The successful Bidder, along with EdCIL/ IIM Shillong shall prepare an inspection and acceptance schedule with details of each activity.

5.6 Scope of Documentation

- Providing original manuals of all hardware items supplied.
- Technical write up of the network design and functioning, system and network architecture diagram with details of interconnectivity between all ICT components.
- To provide complete low level and high level design architecture of network.
- Built network configuration details (portwise) with IP address, subnet, VLAN, Port description etc. for all ICT components.
- Security implementation including VPNs, Firewall rules, IDS/IPS, ACL details etc.
- Implementation plan, to be approved by EdCIL/ IIM Shillong before initializing the installation and configuration activity.
- Test parameters, commitments etc. for acceptance testing to be enclosed along with implementation plan.
- Acceptance test reports, performance test reports of all components.
- Any other Relevant Documentation

5.7 Scope of Training

- Training on the design and functioning, operational aspect and maintenance of the complete system.
- The duration of the training shall be minimum 5 days, subject to the satisfaction of the end customer. Similar trainings should be imparted upon the update in technology/ update in network till the tenure of the project prevails.
- Course material for the above (one copy each per participant), along with the soft copy to be provided.
- The bidder shall also provide information such as Do's & Don'ts of equipment and list of service centres in various places in vicinity of Shillong.

5.8 BOQ

The equipment specification sheet is mentioned in Annexure XVIII:

- a. The estimated quantity which shall be procured over a period of Six months is



mentioned as per Annexure XX.

- b. During finalization of order for procurement of the total ordered quantities, at clients request EdCIL reserves the right of varying the quantities upto $\pm 20\%$ (as per Form 1). In case, variance is carried out during the contract period, the quoted price along with related terms and conditions shall apply.
- c. The procurement shall be valid for three year. A firm work order for the remaining quantities shall be issued on case to case basis on confirmation from client.

5.9 The detailed specifications are given in the Annexure XVIII of the RFP. Following are the important conditions for all IT Hardware proposed:

- i. All IT Hardware supplied under the contract must be brand new (the release date should not be more than one year) and in good working condition & should comply with the minimum specifications given in this Tender Document in Annexure XVIII.
- ii. The selected Bidder needs to supply all the required equipment in single lot/maximum quantities per lot with prior intimation to EdCIL within the stipulated timeline.
- iii. The successful Bidder shall submit Satisfactory Quality Check Pass Reports from the OEM(s) for 100% of the equipment being supplied prior to offering them for pre-dispatch inspection.
- iv. In addition, prior to pre-dispatch inspection, the bidder should satisfy that all equipment supplied confirm to applicable quality control parameters.

5.10 Delivery and Documents

Delivery/ Commissioning of all the goods at new campus of IIM Shillong should be made within a maximum of 16 weeks/ 22 weeks from the date of placement of LOI/LOA. The successful bidder to provide absolute supply schedule within 7 days from the receipt of LOI. Within 24 hours of dispatch, the supplier should notify the EdCIL and the insurance company by cable/ telex/ fax/ e-mail the full details of the shipment including contract number, railway receipt number etc. and date, description of goods, quantity, name of the EdCIL, invoice etc. Till the IIM consignee takes over/ receives the equipment/ items, the supplier should be responsible to keep the same in safe custody and the charges (if any) to be borne by the successful bidder. The successful bidder will be responsible for all equipment supplied till they are installed and commissioned at the designated place. The bidder should submit the following documents to the EdCIL with a copy to the insurance company:

- a) 4 Copies of the Supplier invoice showing contract number, goods description, quantity, unit price, total amount;
- b) Insurance Certificate if applicable;
- c) Manufacturer's/Supplier's warranty certificate;
- d) Inspection Certificate issued by EdCIL/IIM Shillong/ nominated inspection agency, if any



- e) Supplier's factory inspection report;
- f) Two copies of the packing list identifying the contents of each package.

The above documents should be received by the EdCIL before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.

5.11 Insurance & Transportation

The selected Bidder shall be responsible for acquiring comprehensive insurance including transit insurance, liability insurance and any other insurance for all the equipment till the delivery and commissioning at IIM Shillong/ Respective delivery warehouses along with Insurance against fire, theft, damages and loss of all property owned by the Executing Agency at the construction site, if any extending to third party liability.

For delivery of goods at the end clients location, the insurance should be obtained by the Supplier in an amount equal to 110% of the value of the goods from "supplier location to end client location" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance should be valid for a period of not less than 3 months after the completion of installation and commissioning. If orders placed on CIF/CIP basis, the insurance should be up to End Client place

The Supplier should make all arrangements towards safe and complete delivery at End Clients Location. Such responsibility on part of the supplier will include taking care of insurance, freight, octroi, state level permits etc. as applicable.

The supplier should also take care of transit insurance, comprehensive insurance or any other insurance as required which may have direct bearing on the delivery of the items / equipment at End Clients location.

It is the total responsibility of supplier to complete all formalities to transit of goods from the place of dispatch to End Clients Location.

The bidder should ensure that no person can engage in the business of a common carrier unless he has granted a certificate of registration to do so for supply of items at End Clients Location.

The transportation of goods through unregistered common carrier is illegal. The bidder should ensure to comply the carriage by latest Road Act and any other relevant.

Further, Group Personnel Accident Insurance covering the Executing Agency's employees, operating from the site as per the Executing Agency's established practices. Workman's Compensation Insurance, covering employee's / contract workers of the Executing Agency covered under Workman's Compensation Act. Any other mandatory insurance governed by the prevailing laws of Central or State government shall be taken care by the selected bidder.

All costs related to insurance shall be borne by the selected Bidder for goods supplied under the Agreement against loss or damage incidental to manufacture or acquisition,



transportation, storage and delivery etc. A copy of Insurance Certificate should be provided along with the delivery challan before shipping of the equipment.

5.12 Indemnity

- I. The selected Bidder shall execute and furnish to EdCIL a Deed of Indemnity in favor of “EdCIL” in a form and manner acceptable to EdCIL, indemnifying EdCIL from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Agreement period out of:
 - a) Any negligence or wrongful act or omission by the selected Bidder or the selected Bidder’s Team in connection with or incidental to this Agreement; or
 - b) A breach of any of the terms of selected Bidder Bid as agreed, the RFP and this Agreement by the Bidder or the selected Bidder’s Team.

- II. The indemnity shall be to the extent of 100% in favor of EdCIL.

5.13 Commissioning of all Equipment

- I. As part of commissioning of the delivered equipment, the selected Bidder shall depute its technically qualified representative(s) to facilitate in the conduct of inspection of 100% of the delivered quantity in presence of IIM Shillong/ EdCIL representative. For commissioning, the inspection shall be done against the compliance checklist of the product features given in the RFP – Annexure XVIII along with complete documentation.

Against the commissioning of all the hardware, the selected Bidder shall get an Installation and Commissioning Sign-off receipt from authorized representative from end client. The bidder shall submit invoices along with the list of serial numbers of all the equipment supplied and corresponding Commissioning Sign-off receipt from the end client. The damaged/defective equipment, if any shall be taken back by the selected Bidder representative and the corresponding serial numbers shall not be included in the serial number list did not enclose with invoice, nor will the cost of returned equipment reflect in the submitted invoice.

5.14 Warranty Services

- I. The Selected Bidder is required to provide a next business day warranty for the requisite ICT equipment and related Hardware supplied under the contract for a period of 3 years. Records of all calls/emails/visits made to the service center shall be kept in a computerized system for easy tracking of complaints and calculating SLA. The period of warranty for all equipment shall commence after installation and commissioning sign-off with end client.



II. Three level escalation matrix for the complaint's resolution and support.

5.15 Warranty and Maintenance Support Services

- I. The Selected Bidder is required to provide service support for the requisite ICT equipment and related Hardware supplied under the contract for a period of 3 years warranty and their after AMC period of 03 years.

5.16 Service Centre Setup

- a. The selected Bidder shall open its own service centre in North East India for the maintenance and warranty of all equipment supplied under this RFP. In case the Bidder has no presence in above mentioned locations, he/she shall establish the same within 4 weeks from the date of award of contract. However, the responsibility of providing satisfactory services solely remains with the selected bidder.

5.17 Service Level Agreement

1. The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the Selected Bidder to EdCIL/ IIM Shillong for the duration of this Agreement. The selected Bidder shall regularly review the performance of the services being provided by the Selected Bidder and the effectiveness of this SLA.

2. Definitions:

For purposes of this Service Level Agreement, the definitions and terms as specified in the Contract along with the following terms shall have the meanings set forth below:

- a. "Incident" refers to any event specifying the defect in connectivity (in case of cabling and related accessories) or service breakage (in case of racks).
- b. "Resolution Time" shall mean the time taken (after the incident has been reported, in resolving (diagnosing, troubleshooting and fixing) the issue.

3. Category of SLAs

- I. This document provides for minimum level of services required as per contractual obligations based on performance indicators and measurements thereof. The Bidder shall ensure provisioning of all required services while monitoring the performance of the same to effectively comply with the performance levels. The services provided by the Bidder shall be reviewed by EdCIL as following:

- a. Adherence of delivery as per the schedule.



- b. Regularly check performance of the Bidder against this SLA.
- c. Obtain suggestions for changes to improve the service levels.
- d. Periodic inspection of selected Bidder's Help Desk Records like:
 - Types of Incidents and requests
 - Time to resolve and number of unclosed tickets
 - Systems involved
 - Codal life of document after the completion of project. Codal life of document will be adopted by IIM Shillong.

II. The SLA shall be logically segregated in the following categories:

- a. Pre-Dispatch Inspection
- b. Implementation Service levels/Delivery Schedule
- c. Warranty obligations
- d. AMC
- e. Compliance and Reporting Procedures

III. The following measurements and targets shall be used to track and report performance on a regular basis. The targets shown in the following tables are applicable for the duration of the Contract. All penalties shall be paid by the Selected Bidder to EdCIL.

IV. **Delivery Schedule**

Sl. No.	Measurement	Target	Penalty
1.	Start of shipment of Hardware/ equipment	Within 2 Weeks of issuance of LOI/LOA	Penalty of 1% for every week, subject to a maximum of 10% of the relevant Milestone payment.
2.	Delivery of Hardware/ equipment at IIM Shillong	Within 16 Weeks of issuance of LOI/LOA	
3.	Commissioning of all IT Hardware/ equipment.	Within 22 weeks of issuance of LOI/LOA	

V. **Warranty and Post Warranty Support obligations:**

The support services delivery of the bidder should be governed by the following architecture, a single point of contact with a 24 X 7 available number. An Engineer or an authorized person should be able to log their complaint on this central number, following a predefined process, so as to raise a service request. The request will be attended, resolved and escalated as per the standard operating



procedures.

Support Services Provisioned

Service Entitlement		Standard
Telephone Technical Support	Access to Live Agents at our Support Centre	7 x 24 x 365
On-Site Engineering Services	Service Availability	8 x 6
	Response Time	4 hour

Point of Contacts

Successful bidder should assign a point of contact Manager for the Institute.

Manager will be responsible for following:

- Ensuring on timely rectification and/or replacement of ICT components.
- Arranging Standby Hardware, whenever possible.
- Tracking Complaint status and periodic update to customer.
- Provide regular updates to customer contact.

The successful bidder shall depute an Engineer to address faults as raised by Institute to the bidders support helpdesk within the Response Time. The Engineer so deputed during the delivery, installation, testing and handover phases and till the completion of the project will be responsible for the following. The Engineer should be adequately apprised of the network infrastructure deployed at Institute.

The Engineer should be :-

- Responsible for day-to-day network management and monitoring activities on site for the devices deployed.
- Technically competent to handle usual issues generated in the network management or the devices supplied.
- Capable of articulating the complicated technical challenges onsite to expert offsite and work as hands-n-eye for the offsite technical team.
- Capable of understanding the clients' requirement for MACs (Move-n-Change).
- Reports to off-site Manager
- If on leave, a substitution will be done with another adequately informed and competent engineer to continue the as usual operations smoothly

Fault Notification



The helpdesk should be operational 24 X 7 and E-mail address and Phone numbers should be made available that can be reached at. The Service Desk Agent will provide the Customer with a Service Request Number which the support team will refer in any correspondence related to this case, and which the Customer should refer when the Customer wish to make enquiries about the progress of the case. The service request number will be communicated to the customer immediate via phone & email.

Severity Level Definitions

Severity Level	Critical	Major	Minor
Alternate description	P1	P2	P3
Alternate description	Severity 1	Severity 2	Severity 3
Definition	Complete loss of a core organizational or business process where work cannot reasonably continue. Catastrophic impact on business. Workflow cannot move forward with the product until the issue is resolved. The issue may be caused by a critical failure that causes data failure or precludes the use of function of the product.	High impact on organizational or business processes. Operation of an existing network is severely degraded, or significant aspects of customer's business operation are negatively impacted by inadequate performance of the products. Inability to deploy a key feature or function. Product usage is affected, but can continue for a reasonable amount of time before the problem becomes catastrophic.	Minimal organizational or business impact. Anything which is not Out of service or Major is classified as Minor.
SI's priority	SI's immediate priority is to restore service and not to debug the problem.	SI's immediate priority is to restore/improve service, not debug the problem.	SI's priority is to begin collecting data to debug the problem.



Escalation and Notifications:

The SI ensures that all the stake holders are notified on timely manner on the status of event/ticket. SI Service Desk system notifies users during following events:

- Logging of ticket.
- Status change of ticket.
- Support engineers initiated notifications.

In order to ensure issues are resolved within SLA, SUCCESSFUL SI will have to use defined escalation mechanisms.

Below is standard Functional Escalation process followed for different severity calls.

Severity of call	Type of call	Tier-II	Tier-III
Severity-1: Critical	Incident	4 th Hour	6 th Hour
Severity-2: Major	Incident	6 th Hour	24 th Hour
Severity-3: Minor	Incident	24 th Hour	48 th Hour

Penalty for breach of SLA

S.no	Fault Resolution – SLA	Time Allocated	Penalty (in % percentage or Rs)
1	Call Resolution (in case of Severity-1 type incident)	< 4 Hrs.	0%
		> 4 Hrs < 6 Hrs	0.5 % of the unit hardware cost
		> 6 Hrs < 8 Hrs	2 % of the unit hardware cost
		> 8 Hrs < 12 Hrs	5 % of the unit hardware cost
		> 12 hrs.	10 % of the unit hardware cost
2	Call Resolution (in case of Severity-2 type incident)	< 6 Hrs.	0%
		> 6 Hrs < 24 Hrs	0.5 % of the unit hardware cost
		> 24 Hrs < 36 Hrs	2 % of the unit hardware cost
		> 36 Hrs < 48 Hrs	5 % of the unit hardware cost
		> 48 hrs.	10 % of the unit hardware cost
3	Call Resolution (in case of Severity-3 type incident)	< 24 Hrs.	0%
		> 24 Hrs < 36 Hrs	0.5 % of the unit hardware cost
		> 36 Hrs < 48 Hrs	2 % of the unit hardware cost
		> 48 Hrs < 60 Hrs	5 % of the unit hardware cost
		> 60 hrs.	10 % of the unit hardware cost



VI. SLA Review Process

- a. Either EdCIL or the selected Bidder may raise an issue by documenting the business or technical problem, which presents a reasonably objective summary of both points of view and identifies specific points of disagreement with possible solutions.
- b. A meeting or conference call will be conducted to resolve the issue in a timely manner. The documented issues will be distributed to the participants at least 24 hours prior to the discussion if the issue is not an emergency requiring immediate attention.
- c. EdCIL and the selected Bidder shall develop an interim solution, if required, and subsequently the permanent solution for the problem at hand. The selected Bidder will then communicate the resolution to all interested parties.
- d. In case the issue is still unresolved, the arbitration procedures described in arbitration clause will be applicable.

5.18 Manuals, Drawings and Videos

- a. Before the goods and equipment are taken over by IIM Shillong, the Supplier should supply operation and maintenance manuals. These should be in such details as will enable the IIM Shillong to operate, maintain, adjust and repair all parts of the works as stated in the specifications.
- b. The Manuals should be in the ruling language (English).

5.19 Requirement of Key Personnel for the IIM Shillong Campus.

1. The successful bidder shall deploy experienced resources at the premise of university, which must be a full-time employee of the successful bidder. The person will be responsible at project site office.
2. Minimum qualification and experience with Job description is mentioned in the table given below:

Role	Qualification	Job-Description & relevant experience
Network Administrator	B.E/B.Tech (CS/IT)	Atleast 04 years of total experience including 2 years of working experience on Switching, Routing, VLAN, Firewall, UTM etc. CCNA / CCNP Certified candidates with exposure on LINUX and Windows".

**Resume Format:**

Name:	Role ()
Qualification(s)	
Overall work experience (in years)	
Relevant experience	
Employed by bidder company since	
Details of relevant professional experience	
Engagement Type	
Entity	
Nature of Entity (PSE / Private)	
Period of engagement	
Role	
Key work performed	



CHAPTER-VI

Eligibility and Bid Evaluation

6.1 Bid Evaluation Process

Evaluation will be based on the bidder meeting the Pre-Qualification/Eligibility criteria and subsequent evaluation of financial bid. It is mandatory for the bidder to fulfil all the Pre-qualification criteria to be technically qualified and for being considered for opening of their Financial Bid and evaluation thereof. The bidder with lowest financial quote (L1) shall be considered for award of contract.

6.2 Pre-Qualification/Eligibility Criteria

Documents must be provided in support of the following otherwise bids will be summarily rejected.

S. No.	Pre-Qualification/Eligibility Criteria	Supporting Document
1.	The Bidder should be either a firm or company registered under Companies Act, 1956 or 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid. Consortium of companies/ firms is not allowed. Copies of VAT/CST/ GST registration certificates of the Firm should be submitted to establish the date of start of business.	Certificate of Incorporation/ Any other relevant supporting document for its constitution
2.	<p>The Bidder should have at least three work orders for similar type of work each costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least two work orders for similar type of work each costing not less than Rs. 7,50,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least one work order for similar type of work costing not less than Rs. 12,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p>	Work Order + Certificate of Completion with satisfactory performance by client.



3.	<p>The Bidder should have an average annual turnover of at least INR 22.5 Crores from IT/ ITES services during the last three financial years i.e. 2017-18, 2018-19 & 2019-20 respectively, with net profit and positive net-worth.</p> <p>For MSMEs and Start-Ups duly registered with the Government of India the turnover criteria shall be relaxed by 20% (i.e. these firms should have Annual turnover of at least INR 18 Crores in the last three financial years (FY 2017-18, 2018-19, 2019-20)), Subject to meeting of quality, scope technical specification and other criteria asked in this document.</p>	<p>Audited Profit and Loss Statement and Balance sheets. Auditor Certificate clearly specifying the turnover from IT/ ITES services.</p> <p>Valid registration certificate issued by NSIC/MSME or other appropriate government authorities.</p>
4.	The bidder should be a certified ISO 9000/9001 and ISO 27001-2013 certified company. Relevant Organizational Level Certificates to be provided	Copy of the valid ISO Certificate issued from the accreditation organization to be submitted as documentary proof.
5.	The bidder shall be a registered firm or company in India with valid GST Registration and PAN number allotted by the respective authorities.	GST Registration Certificate and PAN number
6.	The bidder should not have been debarred by any Central Government/ State Government/ PSU/ Government Bodies/Autonomous Bodies/Private Sector	The bidder shall furnish an undertaking duly attested by notary in a non-judicial stamp paper of value INR100/- (Rupees One Hundred Only)
7.	<p>The bidder should submit valid undertaking letter from the OEM for Hardware/ Equipment, confirming following:</p> <ul style="list-style-type: none"> • OEM(s) of the proposed product(s) shall provide support, for the quoted products for the entire contract period and; • That the proposed products meet the technical & functional requirements & also products quoted are of the latest version. 	A letter of undertaking by manufacturer (OEM) should be submitted as per Annexure provided in this RFP.
8.	The Authorized Signatory signing the Bid on behalf of the Bidder - should have the Power of	



	Attorney duly authorized by the Board of Directors to sign the Bid. Power of attorney shall be submitted in prescribed format on Non-Judicial stamp paper.	
9.	The firm should be a profit-making concern for each of the last three consecutive financial years (FY 2017 – 2018, 2018-19 & 2019-20).	Audited and CA Certified financial statements.
10.	Product Specification Compliance	As per Annexure
11.	Solvency certificate issued from bank of bidder for minimum value of Rs. 6 Crores; not more than 6 months old	Solvency certificate issued from bank

- Technical bids will also be reviewed for compliance with the necessary Instructions, terms and conditions, scope of work, formats etc. as outlined in this tender.
- Notwithstanding anything stated above, the EdCIL reserves the right to assess bidder's capability and capacity to perform the contract, should circumstances warrant such an assessment in the overall interest of the EdCIL.

6.3 Evaluation of Financial bid:

- a) The Financial bid shall be opened for only those bidders who have been found to be technically qualified/eligible. The financial bids shall be opened in presence of representatives of technically qualified/eligible bidders, who may like to be present. EdCIL shall inform the date, place and time for opening of financial bids.
- b) Financial bid should be checked by bidders to ensure conformance to the format provided in the tender document.
- c) If there is any discrepancy between words and figures in any part of the financial bid, the amount indicated in words will prevail
- d) The bidder with lowest financial quote (L1) shall be considered for award of contract.



Chapter-VII

Timeline & terms

7.1 Payment Term:

Only those bidders, who are confident and willing to carry out the work within the prescribed time period, are requested to participate in this tender.

S.No	Milestone	Payment % of the Contract Value
1.	<p>(a) Payment of “X”% of charges for the comprehensive project work (except post warranty AMC charges), in context of supply of complete material including 100% taxes, duties and levies, if any, against documentary evidence, shall be released only after receipt of material at IIM Shillong on submission of the following documents:-</p> <ul style="list-style-type: none"> · Invoice. · Warranty Certificate. · Delivery Challan. · PDI report 	X=40
2.	<p>“Y” % of charges for the comprehensive project work (except post warranty AMC charges), in context of Installation and commissioning charges including taxes shall be released after submission of following:</p> <ul style="list-style-type: none"> • Clearance from IIM Shillong/ EdCIL Representative regarding successful completion of work • Inspection report 	Y=40
3.	<p>“Z”% of charges for the comprehensive project work (except post warranty AMC charges), shall be released in 3 instalments paid at the end of first, second and third year. The payment shall be as per below schedule:</p> <p>At the end of first year: 10% At the end of second year: 5% At the end of third year: 5%</p> <p>The payment shall be released on submission of following: (i) Clearance from IIM Shillong regarding Contractor had rectified/replaced the faulty component/ item as per SLA on intimation from IIM. (ii) Certificate of satisfactory performance from IIM Shillong in Charge and preventive maintenance reports.</p>	Z=20



4.	<p>Technical Manpower charges for on-site support during the warranty tenures.</p> <p>(i) Certificate of satisfactory performance from IIM Shillong in Charge and preventive maintenance reports and log reports</p> <p>Note* In future; at the sole discretion of the end customer (i.e. IIM Shillong) the billing for technical manpower charges may be raised directly to IIM Shillong.</p>	<p>To be paid annually on the satisfactory report given by the end client</p>
5.	<p>AMC charges</p> <p>The payment shall be released at the end of every year on submission of following:</p> <p>(i) Clearance from IIM Shillong regarding Contractor had rectified/replaced the faulty component/ item as per SLA on intimation from IIM.</p> <p>(ii) Certificate of satisfactory performance from IIM Shillong in Charge and preventive maintenance reports.</p> <p>Note* In future; at the sole discretion of the end customer (i.e. IIM Shillong) the billing for AMC charges may be raised directly to IIM Shillong.</p>	<p>To be paid annually on the satisfactory report given by the end client</p>

Note:

- Payments will be done only on the back to back basis on receipt of the related payment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client as per the submission of the required document.
- Warranty start will be reckoned from the date of installation and commissioning as approved by the end client. Part payment can be made against commissioning in accordance to the progress of the project.

7.2 Performance Security/Performance Bank Guarantee:

The successful bidder shall be required to deposit Performance Bank Guarantee equivalent to 10% of contract value to EdCIL within 7 days from the date of receipt of Work Order. The Performance Bank Guarantee shall be issued by a nationalized bank in favour of "**EdCIL (India) Limited**" to be valid for a period of 90 days beyond the date of completion of contract period (including warranty, i.e. 3 years & Commissioning of 06 months). This Performance Bank Guarantee should be retained throughout the currency of the contract and shall be extended by the bidder from time to time, as required by EdCIL.



Chapter-VIII

Key Contract Terms

8.1 Force Majeure

The selected bidder should not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delays in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- I. For purposes of this Clause, "Force Majeure" means an event beyond the control of the selected bidder and not involving the selected bidder's fault or negligence and not foreseeable. Such events shall include, but are not limited to, acts of the EdCIL either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- II. If a Force Majeure situation arises, the selected bidder should promptly notify the EdCIL in writing of such conditions and the cause thereof. Unless otherwise directed by the EdCIL in writing, the selected bidder shall continue to perform its obligations under the Contract as far as is reasonably practical, and should seek all reasonable alternative means for performance not prevented by the Force Majeure event.

8.2 Prices:

- I. The price should be quoted in per unit and must include all packing, delivery and commissioning charges etc. The offer/bid should be exclusive of taxes and duties, which will be paid as applicable. However, the percentage of taxes should be clearly indicated. The inter se merit position of the bids however shall be decided based on the composite price of the product including taxes, transportation, Warranty & AMC with all other incidental expenses indicated.
- II. The prices must be quoted in the Performa given in Financial Bid failing which the Bid would be treated as unresponsive.
- III. The price quoted should be inclusive of 3 years on site comprehensive warranty including basic training and demonstration to the end client.

8.3 Notices:

For the purpose of all notices, the following should be the address:

Chief General Manager (DES)
EdCIL (India) Limited,
18 A, Sector-16A,
Noida-201301, Uttar Pradesh
Tel: 91-120-2512001 to 2512006



8.4 Resolution of Disputes: The dispute resolution mechanism to be applied pursuant should be as follows:

- I. Any matter arising out of or connected with this agreement, such disputes or difference should be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof should apply to the arbitration proceedings.
- II. The dispute should be referred to the Competent Authority, EdCIL and if he/she is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed should be final, conclusive and binding on all parties to this order.
- III. The seat and venue of the arbitration should be Delhi.

8.5 Governing Language

The contract should be written in English language. English language version of the Contract should govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, should be written in the same language.

8.6 Applicable Law

The Contract should be interpreted in accordance with the laws of the Union of India and all disputes should be subject to place of jurisdiction. The place of jurisdiction would be New Delhi (Delhi) INDIA.

8.7 Taxes

Selected Bidder should be entirely responsible for all taxes, duties, road permits, etc., incurred until delivery of the contracted Goods/Services. EdCIL shall only make payment towards the GST Charged in the invoice other than that no other taxes/ duties/ Charges will be paid.

8.8 Termination for Default

The EdCIL should, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

- I. If the Supplier fails to complete the work within the period(s) specified in the order, or within any extension thereof granted by the EdCIL; or
- II. If the Supplier fails to perform any other obligation(s) under the Contract.



III. If the Supplier, in the judgment of the EdCIL has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

IV. For the purpose of this Clause:

- **“Corrupt practice”** means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- **“Fraudulent practice”** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;”
- In the event the EdCIL terminates the Contract in whole or in part, the EdCIL may procure, at the risk and cost of the supplier and upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered. However, the Supplier should continue the performance of the Contract to the extent not terminated.

8.9 Disputes and Jurisdiction:

Any legal disputes arising out of any breach of contract pertaining to this tender should be settled in the court of competent jurisdiction located within New Delhi.

8.10 Compliance certificate:

This certificate must be provided on their letter head indicating conformity to the technical specifications. (Annexure XVIII)

8.11 Price Information

Price information shall not be there in Technical Bid.

8.12 Rates in Figures and Words:

Rates Quoted by the Bidder in tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the bidder in figures and in words tally but the amount is not worked out correctly, the rates quoted by the Bidder will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s) and amount blank, it will be presumed that the



Bidder has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

In the case of any tender where unit rate appear unrealistic, such tender will be considered as unbalanced and in case the tender is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected.

8.13 Arbitration

- a. If any dispute arises out of the contract with regard to the interpretation, meaning and breach of the terms of the contract, the matter shall be referred to a sole arbitrator as per Arbitration and Conciliation Act, 1996 of Government of India or any statutory modifications or re-enactment thereof.
- b. All legal proceedings shall have to be lodged in courts situated in New Delhi (India) and not elsewhere.
- c. All arbitration proceedings shall be conducted in English. Recourse against any Arbitral award so rendered may be entered into court having jurisdiction or application may be made to such court for the order of enforcement as the case may be.
- d. The Arbitral Tribunal shall consist of the sole Arbitrator appointed by competent authority, EdCIL (India) Ltd.
- e. Each of the parties agree that notwithstanding that the matter may be referred to Arbitrator as provided herein, the parties shall nevertheless pending the resolution of the controversy or disagreement continue to fulfil their obligation under this Agreement so far they are reasonably able to do so.
- f. The seat and venue of arbitration shall be Delhi.

8.14 Price Negotiation

According, to the market scenario the price would be re-negotiated for exploring downward revision and reasonability of the rates as per the normal trend in electronics industry while placement of subsequent work order.

8.15 Non-Disclosure

The firm and their personnel shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract, terms, prices or the client's business or operations details without the prior written consent of the client.

8.16 Supplier Integrity

The selected bidder is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.



8.17 Right to Use Defective Goods

- I. If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, IIM Shillong should have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the IIM's operation.
- II. Replacement of Goods broken, damaged or short: In the event of any material or part thereof found broken or damaged or received short during transit or during installation or Commissioning or testing at site, before commissioning in service the suppliers should replace the same free of cost. However, EdCIL may recover amount equivalent to the cost of such damaged / broken / short supplied materials and will repay when actual replacement is given.
- III. Substitution and Wrong Supplies: Unauthorized substitution or materials delivered in error of wrong description or quality or supplied in excess quantity or rejected goods should be returned to the supplier at their own cost and risk.

8.18 Award of Contract

- I. EdCIL reserves the right to accept or reject any proposal and to annul the bidding process and reject all proposals at any time prior to award of contract, without thereby incurring any liability to the Bidders. In case of annulment, all proposals submitted and specifically, proposal securities shall be promptly returned to the Bidder.
- II. EdCIL has the right to review at any time prior to award of contract that the pre-qualification criteria, are still being met by the Bidder whose offer has been determined as first rank. A proposal shall be rejected if the eligibility criteria, are no longer met by the Bidder whose offer has been determined as first rank.

8.19 Risk Purchase Clause

In event of failure of supply of the item/equipment within the stipulated delivery schedule, the EdCIL has all the right to purchase the item/equipment from the other source on the total risk and cost of the supplier under risk purchase clause.

8.20 Compensation

In consideration of the Services hereunder, EdCIL India Limited shall pay BIDDER the fees and expenses ("Charges") as specified in Commercial. All amounts payable to BIDDER are exclusive of any Taxes. EdCIL India Limited shall be entitled to deduct from applicable payments to BIDDER, any tax on BIDDER' income deductible at source at the rates applicable as per the provisions of Income Tax Act 1961 and provide BIDDER with evidence or certificate of payment of such tax to the taxing authorities. BIDDER shall submit invoices to EdCIL India Limited in accordance with the payment schedule in Commercial of this document.

8.21 Limitation of Liability

Neither EdCIL India Limited nor the bidder shall be liable to the other for any special,



indirect, incidental, consequential (including loss of revenue, data and/or profit), exemplary or punitive damages, whether in contract, tort or other theories of law, even if the Party has been advised of the possibility of such damages. The total cumulative liability of either party under this Agreement shall not exceed in aggregate the amount paid to bidder by the EdCIL India Limited for the Service that gives rise to such liability during the twelve-month period immediately preceding such claim. The limitation on any Party's liability herein shall not apply to liability for damages, resulting from (i) the willful misconduct; (ii) breach of the use terms in respect of use of bidder Application System; and (iii) breach of confidentiality obligations. Bidder shall not be held liable for any delay or failure in its obligations, if and to the extent such delay or failure has resulted from a delay or failure by or on behalf of EdCIL India Limited to perform any of EdCIL India Limited's obligations. In such event, bidder shall be (a) allowed additional time as may be required to perform its obligations, and (b) entitled to charge EdCIL India Limited for additional costs incurred, if any, as may be mutually agreed upon between the Parties.

8.22 Confidential Information

Each Party (the "Receiving Party") acknowledges and agrees to maintain the confidentiality of Confidential Information (as hereafter defined) provided by the other Party (the "Disclosing Party") hereunder. The Receiving Party shall not disclose or disseminate the Disclosing Party's Confidential Information to any person other than those employees, agents, contractors, subcontractors and licensees of the Receiving Party, or its affiliates, who have a need to know it in order to assist the Receiving Party in performing its obligations, or to permit the Receiving Party to exercise its rights under this Agreement. In addition, the Receiving Party (i) shall take all such steps to prevent unauthorized access to the Disclosing Party's Confidential Information, as it takes to protect its own confidential or proprietary information of a similar nature, which steps shall in no event be less than a reasonable standard of care, (ii) shall not use the Disclosing Party's Confidential Information, or authorize other persons or entities to use the Disclosing Party's Confidential Information, for any purposes other than in connection with performing its obligations or exercising its rights hereunder, and (iii) shall require all persons and entities who are provided access to the Disclosing Party's Confidential Information, to execute confidentiality or non-disclosure agreements containing provisions substantially similar to those set forth in this Clause. The provisions of this Clause respecting Confidential Information shall not apply to the extent, but only to the extent, that such Confidential Information is: (a) already known to the Receiving Party free of any restriction at the time it is obtained from the Disclosing Party, (b) subsequently learned from an independent third party free of any restriction and without breach of this provision; (c) is or becomes publicly available through no wrongful act of the Receiving Party or any third party; (d) is independently developed by the Receiving Party without reference to or use of any Confidential Information of the Disclosing Party; or (e) is required to be disclosed pursuant to an applicable law, rule, regulation, government requirement or court order, or the rules of any stock exchange. Upon the Disclosing Party's written request at any time, or following the completion or termination of this Agreement, the Receiving Party shall promptly return to the Disclosing Party, or destroy, all Confidential Information of the Disclosing Party provided under or in connection with this Agreement, including all copies, portions and summaries thereof.



8.23 Fall Clause

The Bidder undertakes that the rates quoted by him in the financial bid for each item is not higher than the rate offered by him for similar work to any other PSU/ Educational Department/ Govt. Educational Department. In case, if the price charged by bidder is more, EdCIL will have the right to recover the excess charged amount from the subsequent/unpaid bill of the supplier, provided all condition of the work including time, scope, logistics, specifications and country are same.

8.24 Tender Conditions with Implementation of Insolvency and Bankruptcy Code, 2016 (IBC)

- a) It will be the responsibility of the bidder to inform EdCIL within 15 days from the date of order of insolvency resolution process or liquidation or bankruptcy proceeding passed by the Adjudicating Authority namely, National Company Law Tribunal (NCLT) or Debt Recovery Tribunal (DRT) under the Code.
- b) If bidder refuses or fails to share the information regarding their status of insolvency resolution process or liquidation or bankruptcy proceeding in their bid or at any later stage, their offer is liable to be rejected by EdCIL.
- c) EdCIL reserves the right to cancel/terminate the contract without any liability on the part of EdCIL immediately on the commencement of insolvency resolution process or liquidation or bankruptcy proceeding of any party under the contract.
- d) EdCIL reserves its right to evaluate and finalize the bid without considering the bid of any party undergoing insolvency resolution process or liquidation or bankruptcy proceeding under the Code regardless of the stage of tendering.
- e) A declaration / undertaking shall be submitted by the bidder in the Format (as per ANNEXURE) along with techno commercial bid.

Guide lines for Evaluation & Short closure:

- a) After opening of price bid but before award, if a bidder(s) is(are) rejected due to initiation of insolvency resolution process or liquidation or bankruptcy proceeding under Insolvency and Bankruptcy Code, 2016 (Code), tender will be finalized ignoring such bid(s).
- b) During execution of contract, if insolvency resolution process or liquidation or bankruptcy proceeding under Insolvency and Bankruptcy Code, 2016 (Code) is initiated against a contractor and EdCIL shall have the right to short close the contract.



ANNEXURE-I

Technical Compliance Declaration Sheet

We hereby confirm that we are complying with the technical specifications as specified in the tender document and the offer is submitted in accordance of the technical requirement. The all relevant documents in support of our claims are enclosed at the following pages:

Signature of Bidder Name: _____

Designation: _____

Organization Name: _____

Contact No.: _____

**ANNEXURE-II**

<< **Organization Letter Head** >>
DECLARATION SHEET

We, _____ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

We further certify that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, we will support on regular basis with technology / product updates and extend support for the warranty.

We, further specifically certify that our organization has not been Black Listed/ De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	NAME & ADDRESS of the VENDOR/ MANUFACTURER/ AGENT
1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 TIN Number	
7 PAN Number	
(In case of on-line payment of Tender Fees)	
8 UTR No. (For Tender Fee)	
(In case of on-line payment of EMD)	
9 UTR No. (For EMD)	
10 Kindly provide bank details of the bidder in the following format:	
a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	

(Signature of the Tenderer)

Name: _____

Seal of the Company



ANNEXURE III

Letter of undertaking
(ON THE LETTER HEAD OF THE BIDDER)

To

Chief General Manager (DES)
EdCIL (India) Limited (EdCIL)
EdCIL House, 18 A, Sector-16 A,
NOIDA – 201301 (U.P.)

Sir,

SUBJECT- Selection of System Integrator for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong

This bears reference to EdCIL Bid No. **EdCIL/DES/Shillong/IIM/2020/01** Dated We, hereby, accept all the terms and conditions for submitting bid as mentioned in this Bid Document.

We hereby certify that no terms and conditions have been stipulated by us in the Financial Bid.

We warrant that the services do not violate or infringe upon any patent, copyright, trade secret or other property right of any other person or other entity. We agree that we shall not prevent EdCIL from any claim or demand, action or proceeding, directly or indirectly resulting from or arising out of any breach or alleged breach of any of the terms & conditions of bid document and contract.

The above document is executed on at (place) _____ and we accept that if anything out of the information provided by us is found wrong, our bid/ work order shall be liable for rejection.

Thanking you,

Yours faithfully,

Name of the Bidder_____

Authorized Signatory_____

Seal of the Organization_____

Date:

Place:



ANNEXURE IV

SELF-DECLARATION – NON BLACKLISTING

To,
Chief General Manager (DES)
EdCIL (India) Limited
EdCIL House, 18 A, Sector-16 A
NOIDA – 201301 (U.P.), India

Sir,

In response to the Tender _____ dated _____ for **Selection of System Integrator for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong**, I/We hereby declare that presently our Company/Service provider M/s _____ is having unblemished record and is not black listed for corrupt & fraudulent practices or non-performance either indefinitely or for a particular period of time by any State/ Central Government/PSU/Autonomous Body on the date of bid submission.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our EMD may be forfeited in full and the tender if any, to the extent accepted be cancelled.

Thanking you,

Yours faithfully,

Name of the Bidder: -

Authorized Signatory: -

Seal of the Organization: -

Date:

Place:

Note: *The undertaking regarding the non-blacklisting of firm is to be submitted on a non-judicial stamp paper of Rs. 100/- (Rupees Hundred only).*

**ANNEXURE V****Annual Average Turnover**

Sl. No.	Financial Year	Annual Turnover	Net Worth	Net Profit
1.	2017-18			
2.	2018-19			
3.	2019-20			
Total				
Average				

Note: Certificate from Statutory Auditor/ Chartered Accountant certifying balance sheet only for all three years to be attached.

Signature with Seal of the Chartered Accountant

Signature with Seal of the Bidder



ANNEXURE-VI

PERFORMA FOR DECLARATION ON PROCEEDINGS UNDER INSOLVENCY AND BANKRUPTCY CODE, 2016

Tender No. :

Name of Work :

Bidder 's Name :

I/ We, M/s. _____ declare that:-

- a) I /We am / are not undergoing insolvency resolution Process or liquidation or bankruptcy proceeding as on date.
- b) I/We am / are undergoing insolvency resolution process or liquidation or bankruptcy proceeding as on date as per Details mentioned below. (Attached detail with technical bid)

Note: Strike out one of above which is not applicable.

It is understood that if this declaration is found to be false, EdCIL (India) Ltd. shall have the right to reject my / our bid, and forfeit the EMD, if the bid has resulted in a contract, the contract will be liable for termination without prejudice to any other right or remedy (including holiday listing) available to EdCIL (India) Ltd.

Place:

Date: Signature of Bidder Name of Signatory



Annexure VII

List of Orders Executed for Govt. Organizations

List of Government Organizations for whom the Bidder has undertaken such work during last seven years (must be supported with work orders)

S.No	Name of Client	Name of the Project and brief description	Value (Exc Tax)	Date of award	Date of Completion	Current Status and duration of maintenance period for ongoing project	Name of Contact Person and other details
1.							
2.							
3.							
4.							
5.							
6.							
7							
8							

Signature of Bidder

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____



ANNEXURE-VIII

Power of Attorney

Know all men by these presents, we..... (name of firm and address of the registered office) do hereby constitute, nominate, `appoint and authorize Mr./Ms..... son/daughter/wife of and presently residing at....., who is presently employed with /retained by us and holding position of.....as our true and lawful attorney

(hereinafter referred to as the “Authorized Representative”) to do in our name and on our behalf, all such acts, deeds and things are as necessary or required in connection with or incidental to submission of our proposal for and selection as the <project title> for the <name of the client> (EdCIL).....project, proposed to be developed by the..... (the “client” (EdCIL)) including but not limited to signing and submission of all applications, proposals and other documents and writings, participating in pre bid and other conferences and providing information /responses to the client, representing us in all matters before the Client (EdCIL), signing and execution of all contracts and undertakings consequent to acceptance of our proposal and generally dealing with the client (EdCIL) in all matter in connection with or relating to or arising out of our Proposal for the said project /or upon award thereof to us till the entering into of the Agreement with the client (EdCIL).

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawful done or caused to be done by our said Authorized Representative pursuant to and in exercise of the powers conferred by this power and Attorney and that all acts, and things done by our said Authorized Representative in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

[IN WITNESS WHEREOF WE.....THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON

THIS DAY OF2020.

For (Name and registered address of client (EdCIL))

(Signature, name, designation, and address)



Witness:

1. (Signature, name and address)

2. (Signature, name and address)

Notarized

Accepted

.....

(Signature, name, designation, and address of the attorney)

Notes:

1. The mode of the execution of the power of Attorney shall be in accordance with the procedure, if any, lay down by the applicable law and the charter documents of the executants (s) and when it is so required the same should be under seal affixed in accordance with the required procedure.

2. Wherever required, the applicant should submitted for verification the extract of the charter documents and other documents such as a resolution/Power of Attorney in favor of the person executing this Power of Attorney for delegation of power hereunder on behalf of the applicant.



ANNEXURE-IX

LETTER OF BID SUBMISSION

To
Chief General Manager (DES),
EdCIL (India) Limited,
EdCIL House, 18A, Sector- 16A,
NOIDA- 201 301 (U.P)

SUBJECT- Selection of System Integrator for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong.

-Submission of Bid -

Sir,

Having examined the details given in Press Notice, Notice Inviting Bid & Bid Document for the above work, I/we hereby submit the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed form _____ and accompanying statements are true and correct.
2. I / we certify that we have not changed/alterd any word/sentence or any figure in number/s or words appearing the original tender document uploaded by EdCIL on the designated web page for e-tendering. In case, if a fraudulent activity is found at any stage between tender submission to final closure of the tender/contract, our candidature/bid/contract shall be immediately cancelled and EMD/Performance security/ security deposit along with the due amount towards the work executed or advance shall be forfeited. EdCIL will not entertain any claim or entertain any reason for this intentional act. EdCIL may go for the legal action against the bidder for recovering any one or all damages caused to EdCIL or its client on this account.
3. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
4. I/We submit the requisite **certified solvency certificate** and authorize the EdCIL to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize EdCIL to approach individuals, employers, firms and corporation to verify our competency and general reputation.
5. I/We submit the following **certificates** in support of our suitability, technical knowledge and capability for having successfully completed the following works:



S.No.	Name of Work	Certificate From

6. Earnest Money Deposit amounting to Rs. ----- in the form of DD/Pay Order No. ----- dated ----- issued by ----- Bank is submitted.
7. Demand Draft of Rs. _____ towards Bid document cost.: If applicable

Enclosures:

Date of Submission :



ANNEXURE – X

Bank Guarantee towards Bid Security (EMD)

Bank Guarantee No. _____

**To,
Chief General Manager (DES)
EdCIL (India) Limited
EdCIL House, 18 A, Sector-16 A NOIDA – 201301 (U.P.), India**

Whereas..... (here in after called "the Bidder") has submitted its Bid dated(Date) in response to the RFP No:..... for **Selection of System Integrator for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong.** (here in after called "the Bid")

KNOW ALL MEN by these presents that We having our registered office at..... (hereinafter called the "Bank") are bound onto EdCIL India Limited, Noida (hereinafter called "EdCIL") in the sum of for which payment well and truly to be made to the said EdCIL itself, its successors and assignees by these presents.

The conditions of these obligations are:

1. If the Bidder withdraws its Bid during the period of Bid validity or
2. If the Bidder, having been notified of the acceptance of its Bid by EdCIL during the period of Bid validity:
 1. fails or refuses to execute the Agreement form if required; or
 2. fails or refuses to furnish the performance security, in accordance with the Bid requirement

We undertake to pay EdCIL up to the above amount upon receipt of its first written demand, without EdCIL having to substantiate its demand, provided that in its demand EdCIL will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to (Date) and any demand in respect thereof should reach the Bank not later than the above date.

Dated: the Day of

for (indicate the name of bank)
Signature of Banks Authorized official
Witness (Name) _____
Designation with Code No. -----
1 Full Address-----

**Annexure XI**

Name of the Bank: _____

To

Chief General Manager (DES)
EdCIL (India) Limited
EdCIL House, 18 A, Sector-16 A
NOIDA – 201301 (U.P.)

PERFORMANCE BANK GUARANTEE FORMAT

In consideration of the Chief General Manager (DES) EdCIL acting through _____ (Designation & address of Contract Signing Authority), (hereinafter called “The EdCIL (India) Ltd”) having agreed under the terms and conditions of agreement/ Contract Acceptance letter No. _____ Dt : _____ Made between _____ (Designation & address of contract signing Authority) and _____ (here in after called “the said Agency” for the work _____ (here in after called “the said agreement”) having agreed for submission of a irrevocable Bank Guarantee Bond for ₹ _____ (₹ _____ only) as a performance security Guarantee from the Agency for compliance of his obligations in accordance with the terms & conditions in the said agreement.

1. We _____ (Indicate the name of the Bank) hereinafter referred to as the Bank, undertake to pay to the EdCIL (India) Ltd an amount not exceeding ₹ _____ (₹ _____ only) on demand by the EdCIL (India) Ltd.
2. We _____ (Indicate the name of the bank, further agree that (and promise) to pay the amounts due and payable under this guarantee without any demur merely on a demand from the EdCIL (India) Ltd through the Chief General Manager (DES), EdCIL (India) Ltd, Noida or _____ (Designation & Address of contract signing authority), stating that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by the EdCIL (India) Ltd by reason of any breach by the said Agency of any of the terms of conditions contained in the said agreement or by reason of the Agency failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ₹ _____ (₹ _____ Only).



3. (a) We _____ (indicate the name of Bank) further undertake to pay to the EdCIL (India) Ltd any money so demanded notwithstanding any dispute or dispute raised by the Agency in any suite or proceeding pending before any court or Tribunal relating to liability under this present being absolute and unequivocal.
- (b) The payment so made by us under this Performance Guarantee shall be a valid discharge of our liability for payment there under and the Agency shall have no claim against us for making such payment.
4. We _____ (Indicate the name of bank) to further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the EdCIL (India) Ltd under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged by _____
- (Designation & Address of contract signing authority) on behalf of the EdCIL (India) Ltd, certify that the terms and conditions of the said agreement have been fully and properly carried out by the said Agency and accordingly discharges this guarantee.
- 5 (a) Notwithstanding anything to the contrary contained herein the liability of the bank under this guarantee will remain in force and effect until such time as this guarantee is discharged in writing by the EdCIL (India) Ltd or until (date of validity/ extended validity) whichever is earlier and no claim shall be valid under this guarantee unless notice in writing thereof is given by the EdCIL (India) Ltd within validity/ extended period of validity of guarantee from the date aforesaid.
- (b) Provided always that we _____ (indicate the name of the Bank) unconditionally undertakes to renew this guarantee or to extend the period of guarantee form year to year before the expiry of the period or the extended period of the guarantee, as the case shall be on being called upon to do so by the EdCIL (India) Ltd. If the guarantee is not renewed or the period extended on demand, we _____ (indicate the name of the Bank) shall pay the EdCIL (India) Ltd the full amount of guarantee on demand and without demur.
6. We _____ (indicate the name of Bank) further agree with the EdCIL (India) Ltd that the EdCIL (India) Ltd shall have the fullest liberty without our consent and without effecting in any manner out of obligations hereunder to vary any of the terms and conditions of the said contract from time to time or to postpone for any time or from time to time any to the powers exercisable by the EdCIL (India) Ltd against the said Agency and to forbear or enforce any of



the terms and conditions of the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Agency for any bearance act or omission on the part of the EdCIL (India) Ltd or any indulgence by the EdCIL (India) Ltd to the said Agency for by any such matter or thing whatsoever under the law relating to sureties for the said reservation would relive us from the liability.

- 7. This guarantee will not be discharged by any change in the constitution of the Bank or the Agency.
- 8. We, _____ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the EdCIL (India) Ltd in writing.
- 9. This guarantee shall be valid up to date of contract period (including warranty i.e. 3 years & Commissioning of 06 months) plus 90 Days, unless extended on demand by EdCIL (India) Ltd. Notwithstanding anything to the contrary contained hereinbefore, our liability under this guarantee is restricted to Rs..... (Rs.....only) unless a demand under this guarantee is made on us in writing on or before..... we shall be discharged from our liabilities under this guarantee thereafter.

Dated: The Day of For

(indicate the name of bank)

Signature of Banks Authorized official

Witness (Name)_____

Designation with Code No. -----

1 Full Address-----

2.



ANNEXURE-XII

PROFORMA PRE CONTRACT INTEGRITY PACT

GENERAL

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ___ day of the month of 2020, between, on one hand, acting through Shri/Smt. _____, Designation, EdCIL (India) Limited (hereinafter called the “BUYER”/ “EdCIL” interchangeably, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part

AND

M/s _____ represented by Shri _____, Chief Executive Officer (hereinafter called the “BIDDER/Seller” which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the EdCIL proposes to procure services towards **“Selection of System Integrator for Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong.”**

For its clients and BIDDER/Seller is willing to offer the said services and related items as referred to in the Bid document No. **EdCIL/DES/Shillong/IIM/2020/01** Dated 2020.

WHEREAS the BIDDER is a private company /public company / Government undertaking / partnership / registered expert agency, constituted in accordance with the relevant law in the matter and the EdCIL is a Public Sector Undertaking under Ministry of Human Resource Development performing its functions.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:



Enabling the EdCIL to obtain the desired services as referred to in the Bid document No. **EdCIL/DES/Shillong/IIM/2020/01** dated2020 at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement and Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the EdCIL will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the EdCIL

- 1.1 The EdCIL undertakes that no official of the EdCIL, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.
- 1.3 All the officials of the EdCIL will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the EdCIL with full and verifiable facts and the same is prima facie found to be correct by the EdCIL, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings shall be initiated by the EdCIL and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the EdCIL the proceedings under the contract would not be stalled.

3. Commitments of Bidders

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or



post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

- 3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the EdCIL, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
- 3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the EdCIL or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.
- 3.3 Bidders shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 3.4 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 3.5 The BIDDER further confirms and declares to the EdCIL that the BIDDER is the original manufacturer/integrator/authorized government sponsored export entity and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the EdCIL or any of its functionaries, whether officially or unofficially to the award to the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation, as the case shall be for satisfactory performance of the proposed terms of Bidder.
- 3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the EdCIL or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services



agreed upon for such payments.

- 3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the EdCIL as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the EdCIL, or alternatively, if any relative of an officer of the EdCIL has financial interest / stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of Bid.
- 3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the EdCIL.

4. **PREVIOUS TRANGRESSION**

- 4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this integrity pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the bid process.
- 4.2 The BIDDER agrees that if it makes incorrect statement on this subject. BIDDER can



be disqualified from the Bid process or the contract, if already awarded, can be terminated for such reason.

5. **EARNEST MONEY DEPOSIT**

- 5.1 While submitting Technical bid, the BIDDER shall deposit EMD in form of Bank Guarantee from a Nationalized Bank in India/ Demand Draft in favour of EdCIL (India) Limited, payable at Noida.
- 5.2 The instrument for Security Deposit made shall be valid up to the specified period and the bidder shall be liable to keep the said instrument valid for such extended period as the case shall be for satisfactory performance of the terms of Bidder above referred till the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the EdCIL, including O&M period, whichever is later.
- 5.3 In case of the successful BIDDER a clause would also be incorporated in the Article pertaining of Performance Bond in the corresponding Contract governing such agreement that the provisions of Sanctions for Violation shall be applicable for encashment of Performance Bank Guarantee deposited towards forfeiture of said amount in case of a decision by the EdCIL to forfeit the same without assigning any reason for imposing such sanction.
- 5.4 No interest shall be payable by the EdCIL to the BIDDER on Earnest Money Deposit for the period of its currency.

6. **SANCTIONS FOR VIOLATIONS**

- 6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the EdCIL to take all or any one of the following actions, wherever required:
 - i. To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
 - ii. The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit / Performance Bond (Bank Guarantee) (after the contract is signed) shall stand forfeited either fully or partially, as decided by the EdCIL and the BUYER (EdCIL)



shall not be required to assign any reason therefore.

- iii. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
 - iv. To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the EdCIL, along with interest.
 - v. To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the EdCIL resulting from such cancellation/rescission and the EdCIL shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
 - vi. To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of five years, which shall be further extended at the discretion of the EdCIL.
 - vii. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
 - viii. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the EdCIL with the BIDDER, the same shall not be opened.
 - ix. Forfeiture by way of encashment of Performance Bond in case of a decision by the EdCIL to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 6.2 The EdCIL will be entitled to take all or any of the actions mentioned at Para 6.1(i) to (ix) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of any offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- 6.3 The decision of the EdCIL to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, an Independent Monitor(s) shall be appointed by EdCIL, in case of breach



of the provisions of the pact.

7. **FACILITATION OF INVESTIGATION**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the EdCIL or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

8. **OTHER LEGAL ACTIONS**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that shall follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

9. **VALIDITY**

9.1 The validity of this Integrity Pact shall be governed by the terms of the Bid No. EdCIL/DES/Shillong/IIM/2020/01 towards complete execution of the contract to the satisfaction of both the EdCIL and the BIDDER/Seller, including O&M period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract awarding the Bidder with successful bidder.

9.2 Shall one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

10. The parties hereby sign this Integrity Pact at _____ on _____.

EdCIL (India) Limited
Name of the Officer :
Designation:

BIDDER
CHIEF EXECUTIVE OFFICER



Witness:

1. _____

2. _____

Witness:

1. _____

2. _____

(The Pre Contract Integrity Pact shall be modified based in line with the conditions of the Bid Documents).



Annexure XIII

Manufacturer (OEM) Authorization Form

No. _____ dated _____

To

Dear Sir/Madam:

Bid No. _____

We _____ who are established and reputed manufacturer of _____ (name and description of goods offered) having factories at _____ (address of factory) with factory registration no. _____ do hereby authorize M/s _____ (Name and address of Agent) to submit a bid, and sign the contract with you for the goods manufactured by us against the above bid.

We hereby extend our full warranty as per the required conditions of Contracts, for the goods and services offered for supply by the above firm against this Invitation for Bid. We further certify that we shall support vendor with all related spares and maintenance during the entire contract period including the period of warranty and AMC; as per tender and we also declare that the product proposed in this contract will not be end of life till the contract period. We also ensure to provide the warranty support documents after successful installation with start and end date mentioned on contract copy.

Yours faithfully,

(Name): _____

(Name of manufacturers): _____

Note: This letter of authority should be on the letterhead of the manufacturer or OEM and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

**Annexure XIV****Tender Checklist**

S. No.	Description	Yes/No with Page No.
1.	BID SECURITY(EMD) Whether the bidder has attached the Bid Security as per format of the Bid Security form?	
2.	Amount of Bid Security (EMD) as per bid requirement or not?	
3.	Form in which Bid security (EMD) enclosed (Bank Guarantee/Demand Draft).	
4.	Date of issue of Demand Draft for EMD	
5.	Bid validity 180 days beyond the last date of tender opening or not?	
6.	Legal Status/ Constitution of firm (any document & partnership deed etc.)	
7.	Whether the bidder has quoted for all the items in the Schedule?	
8.	Whether price as per Financial Bid quoted or not?	
9.	Whether Project Timeline as per bid agreed or not?	
10.	Payment terms as per bid agreed or not?	
11.	Undertaking as per Annexure-III or not?	
12.	A brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the above said work is attached or not?	
13.	Letter of financial proposal signed and enclosed with the financial bid offer	
14.	Signed copy of Pre-contract integrity pact	
15.	Letter of Bid submission	
16.	Signed copy of the tender document submitted	
17.	Power of Attorney	
18.	Declaration Sheet with all the balance of required credentials.	



S. No.	Description	Yes/No with Page No.
19.	Valid registration certificate issued by NSIC/MSME or other appropriate government authorities. (For MSMEs and Start-Ups only)	
Pre-qualification Criteria		
20.	The Bidder should be either a firm or company registered under Companies Act, 1956 or 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid. Consortium of companies/ firms is not allowed. Copies of VAT/CST/ GST registration certificates of the Firm should be submitted to establish the date of start of business.	
21.	<p>The Bidder should have at least three work orders for similar type of work each costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least two work orders for similar type of work each costing not less than Rs. 7,50,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p> <p style="text-align: center;">OR</p> <p>The Bidder should have at least one work order for similar type of work costing not less than Rs. 12,00,00,000/- in any Govt. department/ institutes in the last seven years (executed as on date of submission of bid).</p>	



S. No.	Description	Yes/No with Page No.
22.	<p>The Bidder should have an average annual turnover of at least INR 22.5 Crores from IT/ ITES services during the last three financial years i.e. 2017-18, 2018-19 & 2019-20 with net profit and positive net-worth.</p> <p>For MSMEs and Start-Ups duly registered with the Government of India the turnover criteria shall be relaxed by approx. 20% (i.e. these firms should have Annual turnover of at least INR 18 Crores in the last three financial years (FY 2017-18, 2018-19, 2019-20)), Subject to meeting of quality, scope technical specification and other criteria asked in this document.</p>	
23.	The bidder should be a certified ISO 9000/9001 and ISO 27001-2013 certified company. Relevant Organizational Level Certificates to be provided	
24.	The bidder shall be a registered firm or company in India with valid GST Registration and PAN number allotted by the respective authorities.	
25.	The bidder should not have been debarred by any Central Government/ State Government/PSU/Government Bodies/Autonomous Bodies/Private Sector	
26.	<p>The bidder should submit valid undertaking letter from the OEM for Hardware/ Equipment, confirming following:</p> <ul style="list-style-type: none"> • OEM(s) of the proposed product(s) shall provide support including spares, for the quoted products for the entire contract period and; • That the proposed products meet the technical & functional requirements & also products quoted are of the latest version. 	
27.	The Authorized Signatory signing the Bid on behalf of the Bidder - should have the Power of Attorney duly authorized by the Board of Directors to sign the Bid. Power of attorney shall be submitted in prescribed format on Non-Judicial stamp paper.	
28.	The firm should be a profit-making concern for each of the last three consecutive financial years (FY 2017-18, 2018 – 2019 & 2019-20). Firm should not have incurred any loss (profit after tax should be positive) in last three years and certified by the Chartered Accountant.	
29.	Solvency certificate issued from bank of bidder for minimum value of Rs. 6 Crores; not more than 6 months old	

**Annexure XV****Contract Form**

THIS AGREEMENT made the day of 2020 between EdCIL (Hereinafter called "the Purchaser") of the one part and (Name & address of Supplier) (Hereinafter called "the Supplier") of the other part:

WHEREAS the Purchase is desirous that certain Goods and ancillary services viz. (Brief Description of Goods and Services) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of (Contract Prize in words and Figures) (Hereinafter called "the Contract Price")

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, viz.,
 - a. The Price Schedule submitted by the Bidder;
 - b. The Schedule of Requirements;
 - c. The Terms & Conditions
 - d. The EdCIL's Notification of Award/ Purchase Order
3. In consideration of the payments to be made by the EdCIL to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the EdCIL to provide the goods and services and to remedy defects herein in conformity in all respects with the provisions of the Contract.
4. The EdCIL hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract prices or such other sum as shall become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the goods and services, which shall be supplied/ provided by the Supplier, are as under:

S. No.	Brief Description of Goods & Services	Quantity to be supplied	Unit Price	Total Price	Delivery Terms

TOTAL VALUE:

DELIVERY SCHEDULE:



IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the
said (For the EdCIL)

in the presence of

Signed, Sealed and Delivered by the
said (For the Supplier)

in the presence of

**Annexure XVI****Pre-Bid Query Format**

Pre-bid queries should be submitted in .XLS format.

RFP Description				
RFP No.				
Organization				
Address				
Contact Person				
Contact No.				
Mail Id				
S.No.	Chapter No.	Page No.	Clause as per RFP	Clarification Sought



Annexure XVII

INSTALLATION CERTIFICATE

1. The following goods/equipment, supplied by the Supplier at IIM Shillong have been successfully installed and commissioned by the Supplier.

Sl. No.	Description of Equipment	Serial No of Device(Wherever possible)	Make	Model	Quantity
1					

Note: 1. In case of need, a fresh form on these lines shall be prepared & issued by EdCIL.

Remarks:

Signature of Supplier or its representative

Name: _____

Designation: _____

Date: _____

Rubber Seal: _____

Signature of IIM Representative

Name: _____

Designation: _____

Date: _____

Rubber Seal of the institution

Verified by EdCIL representative

Signature: _____

Name: _____

Designation: _____

Date : _____

**Annexure XVIII****Equipment Specification and Compliance**

ICT COMPONENTS SPECIFICATION			
Specification of the IP BASED TELEPHONE SYSTEM:			
IP Phone Type-I			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	SIP based 2-way IP Desk phone supporting Monochrome 128x32 pixel display.		
2	It should be POE Class-1 device		
3	It Should have minimum three context-sensitive soft keys		
4	It Should have Dual 10/100 Ethernet Ports or more to support co-located PC at the user end		
5	It Should support Audio codecs like G.711, G.722, G.726, G.729 and Opus.		
6	The IP Phone should also support wireless module for wifi connectivity.		
7	Approved makes: Avaya, Alcatel, Cisco		

IP Phone Type-II			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	SIP based full duplex IP Desk phone with Diagonal width: Minimum 2.8 inches Colour display and minimum 4 buttons with dual LEDs and minimum 4 softkeys.		
2	It should have hard buttons for phone, messages, contacts, history, home, navigation cluster, headset, speaker, volume, mute. 24 administrative Buttons		
3	It Should have LEDs for speaker, mute, headset, message, history		
4	It Should have Dual Gigabit Ethernet Port (10/100/1000) with PoE Support.		
5	It should be POE Class-1 device		
6	It should support audio codecs such as Codec support G.711 a/u, G.722, G.726A, G.729, G.729A, G.729AB, Opus.		
7	Approved makes: Avaya, Alcatel, Cisco		



IP Phone Operator Console

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It Should be SIP based Operator Console IP Phone.		
2	It Should have Full duplex speaker phone, minimum 3.5 inch (diagonal) colour display – 320 x 240 pixels		
3	The IP Phone should have option to connect wireless Module Wi-Fi connectivity and/or Bluetooth wireless headset.		
4	It Should have Dual Gigabit Ethernet Port (10/100/1000) with PoE Class - 1 Support.		
5	It should support audio codecs such as Codec support G.711 a/u, G.722, G.726A, G.729, G.729A, G.729AB, Opus.		
6	It Should have hard buttons for phone, messages, contacts, history, home, navigation cluster, headset, speaker, volume, mute.		
7	It Should have LEDs for speaker, mute, headset, message, and history.		
8	It Should be configured with one (1) 24 Keys Expansion Module (should support three 24-Keys Expansion Module)		
9	Approved makes: Avaya, Alcatel, Cisco		

Fixed Cellular Terminal

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It should have 4 Port to connect GSM SIM for connecting Mobile Network		
2	Approved makes: Avaya, Alcatel, Cisco		

Server Based IP-PBX

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Redundant Server based IP-PBX running on Linux OS and expandable upto 1500 extensions/users at a single site, up to 1024 SIP trunk channels per Primary /Secondary server with hardened Platform and latest standards, complete in all respect.		
2	The Redundant Servers (two Server for redundancy from day 1) and IPPBX software should be from the same OEM.		



3	IP PBX should support the flexible connection of Analog, Digital & IP (H.323 and SIP) Desk Phone in any combination, Mobile WLAN and Soft Phones with in one system. It should support Redundancy with dual Servers such that the system should be able to switchover to other server in case of failure of one server		
4	IP extension: Loaded with 400 IP Phone Licenses from day 1		
5	It Should have minimum 8 Analog Trunk Lines expandable 32 Lines		
6	It should have 128 Party Audio Conference bridge from day 1 (should support upto 256 party Audio Conference bridge).		
7	It should have Digital Primary Rate Interface (PRI) Line: 01 Nos. Additional 1 spare gateway for PRI and TDM connectivity needs to be considered day 1.		
8	It should have minimum 06 Ports Voice Mail System of same OEM which should support Mail Boxes for all users.		
9	System should support standards-based CTI integration with 3rd party applications. System should support built-in IPSEC based VPN connectivity.		
10	System should support built-in Remote access server (RAS) functionality.		
11	System should support Diffserv for QoS (Quality of service) for the voice packets traveling over data networks.		
12	System should support LDAP (Local Directory Access Protocol), and following protocols: PPP, ML-PPP, CHAP, PAP, ARP, BACP.		
13	System should have Voice Call Logger supporting all users.		
14	System should have UC Mobility Client Users for Laptop & Mobile Devices (Android & iOS) - 10 users license from day 1		
15	System should provide call control, mobility, IM and presence, and Messaging, centralized licensing in a single server.		
16	System should support Up to 32 Music on Hold sources		
17	Approved makes: Avaya, Alcatel, Cisco		

Call Reporting Functionality Software

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Windows based Application to be proposed for reporting of each inbound, outbound calls from start to finish which should have functionality of call recording in future.		



2	The system should have call reporting license for atleast 250 users.		
3	It should support cradle to grave reporting.		
4	The call reporting application should offer atleast 50 standard report to create visibility and efficiency of all users.		
5	It should support real time reporting, so as to give a real time view of call taken, calls on hold and calls missed.		
6	The system should support inclusion of chart or graphs in the reports to make it more interactive and easier to understand.		
7	The system should support customization of reports as per customer requirement.		
8	Approved makes: Avaya, Alcatel, Cisco		

Specification of the NETWORKING COMPONENTS

Network Firewall

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Next generation firewall should have minimum following Interfaces : 2 x 10GE SFP+ Slots, 8 x GE RJ45 Interfaces,8 x GE SFP Slots,2 x GE RJ45 Management Ports (High Availability) ,2 x USB Ports		
2	NGFW should be loaded with 2 nos of 10GE SFP+ SR SM Module from day one.		
3	NGFW should have Redundant Hot Swappable Power Supply		
4	NGFW should have Redundant FAN		
5	NGFW should have Local Storage : Minimum 240 GB SSD Drive or more from day 1 must be in-built in the device - to keep the logs stored in the device		
6	Should support minimum NGFW Throughput - 9 Gbps / Threat Protection Throughput - 5.5 Gbps / Firewall 1518B (UDP) - 19 Gbps / Concurrent Session - 8 Million / IPSEC VPN Throughput - 18 Gbps / New Sessions Per Second-160000.		
7	Approved makes: Fortinet, Palo Alto, Checkpoint		



CORE SWITCH			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum Eight (8) 40G/100G QSFP28 Slots.		
2	The Core Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.		
3	Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 4 Tbps (4,000 Gbps) or more.		
4	Forwarding Capacity: The Core Switch should provide wire-speed packet forwarding of 2 Bpps (2000 Mpps) or more.		
5	Layer 3 features License to support :		
	1. Minimum 1K IPv4 routes		
	2. Basic IPv4 and IPv6 Static Routing, ECMP, Host Routes, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.		
	3. Dynamic IPv4 & IPv6 Routing protocols (OSPFv2 and OSPFv3) and Multicast Routing Protocols from day 1.		
6	Power Supply - Each Switch should be loaded with Hot-Swappable load sharing Power Supply		
7	Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options		
8	Should have Rack Mount Kit		
9	Should have AC Power Chord		
10	Each Core Switch should be loaded with Two (2) 100G Direct Attached Cables (DAC) with a length of Three (3) Meters for Inter-Core-Switch Connectivity.		
11	Each Core Switch be loaded with Two (2) nos 40GbE Direct Attach QSFP+ to QSFP+ Passive Copper Cable, 5m		
12	Approved makes: Cisco, HP (Aruba), Juniper, Ruckus, Dell, Arista Networks		



Aggregation / Distribution Switch			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Aggregation /Distribution Switch should have minimum Forty-Eight (48) 1G/10G SFP+ Slots and minimum Six (6) 40G QSFP+ Slots.		
2	Each Distribution Switch should be loaded with Forty-eight (48) 10G SFP+ LR Module from day 1		
3	The Distribution Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.		
4	Switching Bandwidth: Switch should provide Non-Blocking switch fabric capacity of 1.9 Tbps(1900 Gbps) or more.		
5	Forwarding Capacity: Switch should provide wire-speed packet forwarding of 1.4 Bpps (1400 Mpps) or more		
6	Layer 3 features License to support on Aggregation /Distribution Switch :		
	1. Minimum 1K IPv4 routes		
	2. Basic IPv4 and IPv6 Static Routing, ECMP, Host Routes, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.		
	3. Dynamic IPv4 & IPv6 Routing protocols (OSPFv2 and OSPFv3) and Multicast Routing Protocols from day 1.		
7	Power Supply - Each Switch should be loaded with Hot-Swappable load sharing Power Supply.		
8	Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options		
9	Should have Rack Mount Kit		
10	Should have AC Power Chord		
11	Approved makes: Cisco, HP (Aruba), Juniper, Ruckus, Dell, Arista Networks		



Network Switch : 48-Port PoE+			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should have minimum Forty Eight (48) x 1GbE PoE+ RJ45 ports and minimum Four (4) 1GbE/10GbE SFP+ Slots		
2	Should support up to 740 W PoE Budget. Maximum PoE Class 3 ports (15.4 W per port) = 48 and Maximum PoE+ Class 4 Ports (30 W per Port) = 24 Ports.		
3	Should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.		
4	Should support Stacking up to 08 Switches in a stack and should be configured with stacking ports from day 1.		
5	Stacking bandwidth : 80 Gbps or more		
6	Should provide Non-Blocking switch fabric capacity of 176 Gbps or more.		
7	Forwarding Capacity: wire-speed packet forwarding of 130 Mpps or more.		
8	Approved makes: Cisco, HP (Aruba), Juniper, Ruckus, Dell, Arista Networks		

Network Switch : 24-Port PoE+			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should have Minimum twenty Four (24) 1GbE PoE+ RJ45 ports and minimum Four (4) 1GbE/10GbE SFP+ Slots.		
2	Should support up to 370 W PoE Budget. Maximum PoE Class 3 ports (15.4 W per port) = 24 and Maximum PoE+ Class 4 Ports (30 W per Port) = 12 Ports.		
3	Switch should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.		
4	Should support Stacking up to 08 Switches and should be configured with stacking ports from day 1.		
5	Stacking Bandwidth : 80 Gbps or more;		
6	Switching Bandwidth: should provide Non-Blocking switch fabric capacity of 130 Gbps or more.		
7	Forwarding Capacity: should provide wire-speed packet forwarding of 90 Mpps or more.		



8	Approved makes: Cisco, HP (Aruba), Juniper, Ruckus, Dell, Arista Networks		
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12 Port POE+ Switch			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should have minimum 12×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 2×10 GbE SFP+ uplink-ports		
2	Should provide 124 W PoE budget		
3	Should support L3 features like IPv4 and IPv6 static routes, RIP v1/v2, Access Control Lists		
4	Approved makes: Cisco, HP (Aruba), Juniper, Ruckus, Dell, Arista Networks		

12 Port POE+ Switch (Multi Gig)			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Switch should have minimum 4x 100/1000/2.5 802.3bt ready ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ uplink-ports,		
2	Should provide 240 W PoE budget		
3	Should support L3 features like IPv4 and IPv6 static routes, RIP v1/v2, Access Control Lists		
4	Approved makes: Cisco, HP (Aruba), Juniper, Ruckus, Dell, Arista Networks		

Wireless LAN Controller			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Hardware based WLAN Controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade.		
2	Controller should have capacity to handle minimum 25000 or more Concurrent devices. And With cluster: 60,000 for future support		
3	Controller should support minimum 2000 WLAN's.		
4	WLAN controller must have at least 2 x 10Gbps of uplink interfaces.		
5	Must Support AP Load Balancing on the Active Controllers		



6	RF Management: Must support an ability to dynamically adjust channel and power settings based on the RF environment.		
7	Radio coverage algorithm must allow adjacent APs to operate on different channels, in order to efficient utilization of available bandwidth and avoid interference		
8	User / band balancing. Interference detection and mitigation : RF spectrum analyser and rectification of channel & Tx power accordingly		
9	Must support RF Management with 160 MHz channels with 802.11ac.		
10	IPv6 Features : WLC should support L2 and L3 roaming of IPv6 clients, WLC should support IPv4/IPv6 access control lists, WLC should support Guest-access functionality for IPv6 clients		
11	Guest Wireless: Must support internal and external web authentication.		
12	Controller should support Wireless Management System from the Same OEM		
13	Controller should support Zero touch mesh configuration from day one and Option for mesh backhaul on both 2.4 and 5GHz from day one		
14	The proposed Wireless LAN Controller should also be able to integrate, manage and control existing Wireless Controller available with IIM Shillong (Ruckus Zone Director 1200) and Wireless Access Points (R700, R600, T710s, T710 & T300) installed in the old campus which would be moved to the new campus.		
15	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)		

Wireless Access Point : Type - I

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It Should be Dual-band 802.11abgn/ac (802.11ac Wave 2) Wireless Indoor Access Point, 3x3:3 streams, MU-MIMO.		
2	It should provide minimum concurrent data rate of 1300 Mbps in the 5GHz band & 300 Mbps in the 2.4GHz band.		
3	It Should have minimum one (1) 1GbE RJ45 ports.		
4	It Should support 802.3af/at PoE		
5	Should have mounting kit from same OEM.		
6	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)		



Wireless Access Point - Type - II			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It should be Dual-band 802.11abgn/ac (802.11ac Wave 2) Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.		
2	It should provide minimum concurrent data rate of 1,733 Mbps in the 5 GHz band and 600 Mbps in the 2.4 GHz band		
3	It Should have minimum two (2) 1GbE RJ45 ports.		
4	It Should support 802.3af/at PoE		
5	Should have mounting kit from same OEM.		
6	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)		

Wireless Access Point - Type - III			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It Should be Dual-band 802.11abgn/ac/ax, Wi-Fi 6 AP that supports 8 spatial streams (4x4:4 in 5GHz, 4x4:4 in 2.4GHz)		
2	It should provide minimum concurrent data rate of 2400 Mbps in the 5 GHz band and 1148 Mbps in the 2.4 GHz band		
3	Wireless Access Point should have Dual Ethernet Ports, One 2.5Gbps Ethernet port and one 1Gbps Ethernet port		
4	It should support Power over Ethernet (802.3af/at/bt)		
5	It should support Multi-Gigabit Ethernet backhaul and on-board BLE / Zigbee /IoT		
6	It should support more than 1000 Clients per AP		
7	It should support Smart Mesh & Self-healing Mesh		
8	Approved makes: Ruckus, Juniper, Cisco, HP (Aruba)		

Specification of IP Based CCTV			
5 MP DOME IP CAMERA			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It should be IP Network TDN (True Day Night) Low-Light Indoor 5 MP Dome camera with Automatic Varifocal (AVF).		
2	Lens Type - 2.7 to 12 mm		



3	It should be F1.6 with Motorized Zoom/Focus		
4	Sensor Type - 1/2.9" CMOS Sensor		
5	Multi stream, 120 DB WDR		
6	Built-in IR illuminator with IR Range - 30 meters or more		
7	It should have Intelligent Dynamic Noise Reduction (DNR) with support of Triple Streaming		
8	It should support built-in Essential Video Analytics following features : Intrusion, Loiter, Line crossing, Idle/Removed Object, Motion Detection, Object Counting, Tempering, Two -way Audio and Audio Alarm		
9	Edge recording using SD card support upto 256 GB or more for in-camera Storage		
10	Should support Multiple Configurable Video Streaming in H.264or H.265 and M JPEG		
11	Should support configurable frame rate and bandwidth, Region of Interest (ROI), PoE+/PoE Power Support, Water/dust protection - IP 66, Impact protection - IK 10, Operating temp range : -30°C to +50° C		
12	Interoperability Certifications: Must support ONVIF Profile S, ONVIF Profile G/T compliant, UL,FCC,EN,IEC, Complied.		
13	Approved makes: Bosch, Axis, Pelco		

5 MP IR BULLET INDOOR/OUTDOOR IP CAMERA

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	IP Network True Day Night (TDN) Low-Light Indoor / Outdoor Bullet IP Camera with 5 MP camera with Automatic varifocal.		
2	2.7 mm - 12 mm Lens with image quality up to 30 fps		
3	Should have Auto Zoom/Focus		
4	Should fully configurable H.265 multi-streaming		
5	WDR 120 dB		
6	Sensor Type - 1 / 2.9" CMOS		
7	IR range of 50 meter (164 feet) or more		
8	Built-in Essential Video Analytics which supports - : Intrusion, Loiter, Line crossing, Idle/Removed Object, Motion Detection, Object Counting, Tempering, Two -way Audio and Audio Alarm		
9	Local Storage with internal RAM - 60 s pre-alarm recording and supports local Storage upto 256 GB or more using SDXC card		



10	PoE+/PoE Power Support / Ingress Protection IP 67, Vandal Proof IK 10, including the front glass of the camera, Having Operating temp range : -40°C to +60° C		
11	Interoperability Certifications: Must support ONVIF Profile S, ONVIF Profile G/T compliant, UL,FCC,EN,IEC, Complied.		
12	Approved makes: Bosch, Axis, Pelco		

VIDEO MANAGEMENT SOFTWARE FOR SURVEILLANCE

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Intelligent Video Management Software should be ONVIF S,G and T compliant.		
2	Must run on Windows/Linux/Mac OS/ mix platforms		
3	Should open with any Database (open source DBMS support/Microsoft SQL) and any Web Browser (Firefox, Chrome, Safari, Internet Explorer) with mobile app for android and IOS		
4	Should support unlimited number of IP camera (ONVIF Compliant) for recording and monitoring by adding license only		
5	Should support unlimited number of simultaneous connected users		
6	Support heterogeneous storage devices (NAS, SAN, Hard Disks, etc.) and should be scaled up from single server to a distributed multi-server system		
7	Support Video Digging - for Investigative Navigation-enables to navigate across multiple camera views simultaneously.		
8	Support multi-tasking, multi-monitor viewing with parallel live view and archived video tiles in the same window.		
9	Support onscreen icons on the operator's screen display the health status of all major components constantly, whether cameras are recording, and status of servers, storage, networking components, etc.		
10	Built-in Audio Analytics ((Preferably from same OEM or Third party)- Audio signals coming from IP Devices can be analysed in real-time to generate alert in case of unusual sounds are detected.		
11	Should support integration with Automatic Number Plate Recognition (ANPR), fence Jumping, Face Recognition (Preferably from same OEM or third party.		
12	Support Alarm management (Preferably from same OEM or Third party): SMS for alerts over cellular network, Emails for		



	alerts, Operator integrated alerts, instant video alerts on mobile phones		
13	Should allow follow of movements of people, vehicles and other objects across multiple camera in the archived video in a time synchronised fashion		
14	The proposed VIDEO MANAGEMENT SOFTWARE should also be able to integrate, manage and control existing outdoor camera available with IIM Shillong (BOSCH PTZ DOME NDP5512Z30L) which is installed in the old campus which would be moved to the new campus.		
14	Approved makes: Bosch, Axis, Pelco, Videonetics, Milestone		
Quad Monitor Workstation for VMS Client			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It should have Intel Core i7-6700, 3.4GHz		
2	Should have minimum 16GB RAM		
3	Should Windows 10 (64 Bit) OS		
4	Should have DVD R/W		
5	Should have Integrated Intel HD graphics 530		
6	Should have NVIDIA Quadro NVS 315 1 GB PCIE x 16 LP		
7	Approved makes: DELL,HP,IBM		
55" Video Wall			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Video Wall with 2x2 nos of (four 55" LED Display (24x7 operation))		
2	Should have 1920x1080 full HD resolution with suitable mounting brackets on wall including HDMI cable connection		
3	Approved makes: Samsung, LG, Panasonic, Sharp		
VMS & Analytics Server			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Rack Mount Server with 2 U Rack Mounted with sliding rails, cable management arm & front bezel locking Kit supporting 12 x 3.5" SAS / SATA HDD ,		
2	Processor : 2 x Intel Xeon Silver 4210 2.2G, 10C/20T, 9.6GT/s , 13.75M Cache, Turbo, HT (85W) DDR4-2400		
3	Memory : 128 GB RDIMM , DDR-4-2400, 2666MT/s, Dual rank (upgradable upto 512 GB)		



4	Hard Disk : 8 x 4 TB 7.2K RPM, SATA 6 Gbps, 512n, 3.5 inch, Hot - Plug Hard Disk (supports 14 x 3.5" HDD and upto 140TBs)		
5	RAID Controller : 12 Gbps PCIe 3.0 with 8GB cache RAID 1,5,10,6		
6	Redundant Power Supply : 750 W Redundant Hot Plug Power Supply (1+1)		
7	Network Interface card : 2 x 1 G Ethernet Card		
8	Operating Systems : Ubuntu 18.04		
9	In-built Security: Maintain data safety with cryptographically signed firmware packages and Secure Boot Secure System reboot, Wipe all data from storage media including hard drives, SSDs and system memory quickly and securely with System Erase.		
10	Approved makes: DELL,HP,IBM		

Networkable Door Access Controller

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Networkable Door Access Controller with 32-bit CPU architecture.		
2	Should have 10/100 Ethernet interface connected to TCP/IP protocol support		
3	Should be connected to other controller in the LAN or corporate network		
4	Should have Flash memory for firmware and large local card holder database with required Cabinet, power supply and accessories as required.		
5	The Controller must support 4 hours battery backup suitable to work under standalone mode having 5 Digital input & 2 relay output onboard and having option to expand to simultaneously expand to 20 digital inputs and 18 relay outputs.		
6	Each controller shall have a Minimum database of 100,000 card holder capacity and 100,000 Transaction events with memory on board per controller.		
7	The control panel shall provide TCP/IP communication to the host software and RS-485 multi-drop communications to downstream panels		
8	The control panel shall be able to operate in local and shall be able to connect with Access Management Suite for remote configurations.		



9	The Controller must have dedicated tamper alarm, dedicated power failure alarm, Real time clock, Geographic Time Zone support.		
10	Controller should support Smart card readers, Proximity readers and Biometric Readers		
11	The Controller shall have onboard TLS1.2 or AES 256 bit encryption.		
12	For maximum reliability, each control panel shall support a maximum of two readers or keypads.		
13	The distance between card readers and the control panel shall be up to 1200 meters if required.		
14	Approved makes: Honeywell, Tyco, Kaba		

Biometric Fingerprint Scanner Reader

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Biometric Fingerprint Scanner Reader for Time Attendance & Access Control with FBI certified sensor for live finger detection and 3000 FP Template Capacity.		
2	Should have 10000 card capacity		
3	Should have RS485 output with encryption in communication		
4	Should have IP65		
5	Should have 3*5 keypads/doorbell with OV of 12VDC 3A		
6	Should have wall mounted and with all accessories as required		
7	Approved makes: Honeywell, Tyco, Kaba		

EM Mullion RFID 13.56 MHz Contactless Smart Proximity Card Reader

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	EM Mullion RFID 13.56 MHz Contactless Smart Proximity Card Reader (IN and OUT) should have Read Range 2" to 3".		
2	Should have Built-in audible buzzer		
3	Should have Host LED Control		
4	Should have encrypted bi-directional Communication Interface		
5	Should support cards that confirm to ISO Standard 14443A with all accessories complete as required		
6	Approved makes: Honeywell, Tyco, Kaba		



Single electromagnetic lock

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Single electromagnetic lock with 600 lbf (2668 N) holding force		
2	Should be surface-mounted with lock status sensor and red/green LED indicator		
3	Should have anodized aluminium finish		
4	Power supply: 12/24 V DC; Current: 500mA/250mA;		
5	Lock status sensor: yes; LED: yes; Magnet: 250L x 47.2W x 26.6H mm; Armature plate: 185L x 38W x12.5H mm. with complete accessories and brackets.		
6	Approved makes: Kaba, Asda Abloy, Schalage		

Double electromagnetic lock

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Single electromagnetic lock with 600 lbf (2668 N) holding force		
2	Should be surface-mounted with lock status sensor and red/green LED indicator		
3	Should have anodized aluminium finish		
4	Power supply: 12/24 V DC; Current: 500mA/250mA;		
5	Lock status sensor: yes; LED: yes; Magnet: 500L x 47.2W x 26.6H mm; Armature plate: 185L x 61W x 16H mm x 2. with complete accessories and brackets		
6	Approved makes: Kaba, Assa Abloy, Schlage		

PVC Smart Cards

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It should be ISO 14443A , Grade 4K DESfire EV1, Graphics Printable, 13.56MHz PVC Smart Cards.		
2	Approved makes: Honeywell, Tyco, Kaba		

Web browser based Access Control & Time Attendance Software

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should have Multi User supports Basic Time & Attendance, anti passback features.		
2	All standard access control, audit trails, time & attendance feature, alarm reports, atleast 2 Lac user handing capacity		



3	Access Control software license suitable for total number of card reader indicated above with a provision of 30 % spare and future expansion capacity.		
4	Software license not to be restricted to number of readers and users - should support unlimited cardholders.		
5	Supports shifts, leaves, Holidays, shift allocation employee and department wise, weekly off and manual updation of attendance /leaves /Outdoor duty		
6	Certified Interface to ERP Systems like SAP, Workday, Oracle, Microsoft Dynamics etc. shall be available as a standard to get integrated at a later date.		
7	Approved makes: Honeywell, Tyco, Kaba		

Integrated Software			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Integrated Software required for integration and managing Access Control, video surveillance, intrusion detection and fire systems through a single interface.		
2	Supports VMWare 6.5 to help leverage existing IT Infrastructure and Server assets		
3	Supports upto 500 cameras of any make over ONVIV 2.0 and later		
4	Supports Notifications and reporting via Email and SMS		
5	Approved makes: Honeywell, Tyco, Kaba		

ACS Workstation			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	ACS Workstation should be Intel® Quad Core, 2.8GHz or higher, 8 GB RAM, 1 TB HDD space, Dual Ethernet 10/100MBs.		
2	Should have Microsoft Windows 10 (Enterprise) 64-bits		
3	Should have Microsoft .NET Framework v4.0		
4	Should have Microsoft SQL Server.		
5	SQL Server 2012 Enterprise Edition / SQL Server 2014 / SQL Server latest		
6	Approved makes: Dell,HP,IBM		



Specification of BOARD ROOM with VIDEO CONFERENCE SYSTEM

Display 1 - Multi-Touch Display

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
	Multi Touch display should have following features:		
1	Minimum 65" 4 K Ultra-HD (3840 x 2160 pixels) resolution		
2	Multi Touch Display -4K UHD 65-inch class (64 1/2-inch [163.896 cm] diagonal) TFT LCD		
3	Installation-Landscape / Portrait/ Backward tilt (0 to 20, 45 degrees, Resolution -3,840 × 2,160 pixels		
4	Touch Technology-InGlass, Multi Touch- 20 points		
5	Protection Glass- Thickness: Approx. 4 mm		
6	Build In Controller-Hexa Core [Arm® Cortex®-A72 processor (dual core) + Arm Cortex-A53 processor (quad core)]		
7	Memory -4GB, built-in Storage-32 GB		
8	Display Colours - 1.07 billion colours, Brightness-350 cd/m2, Contrast Ratio-5,000 : 1		
9	Viewing Angle-178°, Response Time- 9.5ms, Backlight-LED direct lit		
10	USB (2.0 compliant) (Type B) × 2, Wireless LAN, Bluetooth, USB Hub Function USB port (2.0-compliant) × 2, Input Mini D-sub 15-pin × 1, HDMI × 2, Display Port (HDCP compatible) × 1, Output-Display Port (HDCP compatible) × 1, External Interface-LAN port , microSD card slot × 1, USB port (3.0-compliant) × 2, USB port (2.0-compliant) × 1, Quad-Screen Display, 16/7 Operation, Speaker Output- 10 W + 10 W. External-10 W + 10 W		
11	Approved makes: Samsung, LG, Panasonic, Sharp,		

Display 2- Non-Touch Display

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
	Multi Touch display should have following features:		
1	Minimum 65" (163.89 cm diagonal) IDP, 4K Ultra HD (3840x2160 pixels) resolutions.		



2	Display Colours - 1.07 billion colours		
3	Brightness-350 cd/m ² , Contrast Ratio-4,000 : 1, Viewing Angle-178°, Response Time- 8 ms		
4	Backlight-LED direct lit, Input Ports -Mini D-sub 15-pin × 1, HDMI × 3, USB (2.0-compliant) × 1,		
5	Audio Output -RCA pin (L/R) × 1, Audio Input- 3.5 mm-diameter mini stereo jack × 1, LAN-10Base-T/100Base-TX × 1, Signage with Built-in Media Player, 16/7 Operation, Speaker Output- 10 W + 10 W.		
6	Approved makes: Samsung, LG, Panasonic, Sharp,		

Video Conferencing Systems

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Video Conferencing Systems which should include all components of the VC system like 1 x Codec to support upto 8 participants (1+7) in HD quality, 2 x 12X Camera with base to support 2 (two) Camera , 1 x Microphone Array, Remote Control, HDMI cables and all should be from the same OEM.		
	Codec to support following specifications :		
1	License to support upto 8 participants from day 1.		
2	Video Standards and Protocols : It should support H.261, H.263, H.264 AVC, H.264 High Profile, H.264 SVC, RTV, H.239(People + Content) , H.263 & H.264 Video error concealment		
3	People Video Resolution : 1080p, 60 fps, 1080p, 30 fps, 720p, 60 fps, 720p, 30 fps;		
4	Content Video Resolution : Input & Output should support - HD, WSXGA+, UXGA, SXGA, WXGA, SVGA;		
5	Content Sharing : People + Content		
6	Audio Input : 2x Microphone array input ports (supporting a total of 4 microphone arrays), USB headset support, 2 x HDCI (Camera), 3 x HDMI, 2 x RCA line-in		



7	Audio Output : 1 x HDMI (to in-room audio system), 1 x HDMI (to conference recording device), USB headset support, 1 x RCA pair stereo line-out		
8	Network : IPv4 and IPv6 support, 2 x 10/100/1 G Ethernet Switch, Auto-MDX, H.323 and / or SIP upto 6 Mbps		
9	Other Interfaces : 2 x USB 3.0 (back), 1 x USB 2.0 (front), 1 x RS-232 DB9		
10	Audio Standards & protocols : 22 kHz bandwidth , AAC-LD (TIP Calls), G.719 (Live Music Mode), 14 kHz bandwidth (G.722.1 Annex C), 7 kHz bandwidth with G.722, G.722.1, 3.4 kHz bandwidth with G.711, G.728, G.729A		
11	Supports Automatic gain Control, Automatic Noise suppression, Keyboard noise reduction, Acoustic fence Technology, Live music mode, Audio error concealment		
12	Other supported standards ; H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.460, BFCP (RFC 4582)		
13	Approved makes: Polycom, Avaya, Cisco		
	Camera and its Base to support two Camera should have following minimum specifications :		
1	Camera Type - 1/2.33" CMOS, 12 x Zoom, Lens focal length of f=3.76–37.6 mm, Lens F# of 1.2, 65° field of view, Auto focus, Vertical field of view of 39°, Pan range of +/-100°, Tilt range of +20/-30°		
2	Camera base should support Two nos of 12X Camera with 1 x mini-HDCI out to video System port, 2 x USB 2.0 ports, 1 x 3.5 mm stereo line-in jack, 1 x HDMI in, 1 x HDMI out and it should be capable of enhancing video conferencing experience with advanced face-recognition technology such that it automatically scans the room and seamlessly commands the main camera to appropriately frame and zooms in on an active speaker during a call without any manual intervention.		
3	Approved makes: Polycom, Avaya, Cisco		



Wireless Presentation System

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should support secure wired and wireless presentation from laptops, smartphones, and tablet devices using the existing Wi-Fi® wireless network for BYOD connectivity.		
2	Should be compatible with Windows®, macOS®, Android®, and Apple® iOS® devices		
3	Should have one wired HDMI® input, wired connectivity for sources with resolutions up to HD 1080p60		
4	Should have a HDMI output supporting single HD or WUXGA 1920x1080@60Hz (HD 1080p60), 4:4:4, 36 bit colour depth display device		
5	Should have a bitrate average of 1.4Mbps or better		
6	Should support custom Background and logo of file format of GIF, JPEG, PNG		
7	Should support display device control via CEC, IR, or RS-232		
8	Should be HDCP 1.4 compliant		
9	Should have built-in native integration with Microsoft® Office 365® and Outlook® calendaring applications via Microsoft Exchange for Displaying space availability, meeting details, and other messaging on screen, or a suitable external room scheduling unit to be provided		
10	Should be possible to integrate with lighting keypad and occupancy sensor		
11	Should be able to withstand temperature up to 104° F and Humidity 90% RH (non-condensing)		
12	Should be PoE or AC line powered (power adapter to be provided with the unit)		
13	The solution should be truly touch free where the users are able to share content from their device without touching any other peripheral in light of COVID19 pandemic.		
14	Approved Makes: Creston, Kramer, Click Share		

DMPS (Digital Multimedia Presentation System)

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should be 4K Multi-media presentation system		
2	Should be 3U rack mountable or less with rack ears provided for mounting		



3	Should have Onboard SDRAM 512 MB or more, Flash 4 GB or more, Built-in 2x Bidirectional RS-232 ports or more, 4X 1way serial/IR ports or more, 1x 1way/serial input port or more, 4X Relay ports or more, 4X input ports or more, or a suitable external control processor with the necessary ports to be provided separately to match the minimum required ports		
4	Should have astronomical time clock for programming event, and scheduling		
5	Should Support: 10/100/1000 Mbps Ethernet, auto-switching, auto-negotiating, auto-discovery, full/half duplex, industry-standard TCP/IP stack, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), FIPS 140-2 compliant encryption, IEEE 802.1X, SNMP, IPv4 or IPv6, Active Directory authentication, IIS v.6.0 Web Server, SMTP e-mail client		
6	Should Natively support BACnet or a suitable external interface to be provided		
7	Built-in 8x4 Matrix switcher HDCP 2.2		
8	Should handle video resolutions up to 4K DCI and Ultra HD or more, with 6xHDMI input, 2xtwisted pair/HDBase-T input and 2xHDMI output and 2X Twisted pair/HDBase-T output or a suitable external matrix Switcher to be provided separately to match the minimum required ports		
9	Should have provision to remotely power twisted pair Transmitter and Receiver		
10	Should have built-in 6 Channel DSP or more, with switchable 48V phantom power, fully-adjustable gating, compression, delay, and 4-band semi-parametric EQ, or a suitable external DSP to be provided separately to match the minimum required mic channels		
11	Built-in Amplifier should provide 25watts per channel on 4/8ohms stereo and 50watts on 70V/100V mono or a suitable external amplifier to be provided separately to match the minimum requirement.		
12	Should have Customizable user interface, capable of real-time feedback and Metadata		
13	Should support 10 programs to run simultaneously, so as to segregate different genre program in different slots or run multiple rooms using a single processor, other rooms should not be affected while one room program is being modified.		
14	Should Support computer and web based controls, Control apps to integrate iPhone®, iPad® and Android™ devices.		



15	Approved Makes: Creston, Kramer, QSC		
Twisted pair receiver			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should be low profile surface mounted Twisted pair receiver, 4K/60 scaler, audio extractor, and display controller		
2	Should be HDBaseT® Certified to enable direct connection to other HDBaseT certified equipment's, Provides one HDMI® or DVI display output		
3	Should Upscale or Downscale video and computer sources to match the native resolution of any screen up to Ultra HD and 4K via built-in scaler or a suitable external scaler unit to be provided separately		
4	Should Handle any input resolution from standard NTSC 480i or PAL 576i, to UHD and 4K, Dolby® TrueHD, Dolby Atmos®, DTS-HD®, and uncompressed 7.1 linear PCM audio		
5	Should Allow adjustable overscan or underscan up to 7.5%		
6	Should automatically pass 3D video without scaling to 3D capable displays,		
7	Should Support up to 8x8 or more video wall processing using multiple units,		
8	Should provide a balanced stereo analog line-level audio output with soft volume control, built-in audio de-embedder or provide a suitable external audio de-embedder,		
9	Should be HDCP 2.2 compliant, built-in device control via CEC,		
10	Should support one IR, RS-232, and Ethernet and two low-voltage relay control ports or provide a suitable external control port expansion to match the minimum requirement.		
11	Should Support cable length up to 330ft or more for all resolutions up to UHD and 4K using special cable, or support UHD and 4K up to 165ft or more using CAT5e, or should support up to 330ft or more for 1080p, WUXGA, and 2K using CAT5e,		
12	Approved Makes: Creston, Kramer, QSC		
Digital Signal Processor (DSP) :			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It should be Fixed I/O DSP with 12 analog inputs, 8 analog outputs, 8 channels configurable USB audio, minimum 64 x 64 channels of AVB, AEC technology (all 12 inputs), 2 channel VoIP, and standard FXO telephone interface.		



2	The fixed I/O DSP shall support Audio Video Bridging (AVB) digital audio networking that shall allow up to minimum of 64 x 64 channels. The AVB networking connection shall be implemented on a RJ-45 connector.		
3	The fixed I/O DSP shall support Ethernet connection for programming and control on a RJ-45 connector.		
4	The fixed I/O DSP shall have internal DSP processing.		
5	The fixed I/O DSP shall include 4 channels of General Purpose Input and Output connection (GPIO) for sending or receiving logic signals. The programming of the GPIO ports shall be software configurable.		
6	The fixed I/O DSP shall include a RS-232 connection for control data transmission into or out of the fixed I/O DSP and such operation shall be software programmable.		
7	The fixed I/O DSP shall include a Universal Serial Bus (USB) connection on a standard USB-B type connector.		
8	The fixed I/O DSP shall be software configurable to stream up to 8 channels of digital USB Class 1 Audio transmission either into or out of the fixed I/O DSP or simultaneous input and output.		
9	The fixed I/O DSP shall support port authentication via IEEE 802.1X.		
10	The fixed I/O DSP shall provide 12 balanced input connections for receiving of microphone or line level analog audio signals on screw-down, removable connectors.		
11	The input connections shall include Acoustic Echo Cancellation (AEC) hardware and firmware, the parameters, routing and operation of which shall be software programmable.		
12	The fixed I/O DSP shall provide 8 balanced output channels for the transmission of microphone or line level analog audio signals on screw-down, removable connectors. Each individual channel shall have its own dedicated connection.		
13	The fixed I/O DSP shall integrate to Voice Over Internet Protocol (VoIP) systems on a RJ-45 connector for two lines of VoIP communication and shall support Session Initiation Protocol (SIP) v2.0 or later.		
14	The fixed I/O DSP shall integrate to standard telephony communications on a RJ-11 connector for a single line of telephone communication.		
15	The fixed I/O DSP shall provide front panel OLED identification of device power, status, alarm, and activity as well as system-wide alarm.		



16	The fixed I/O DSP shall be rack mountable (1RU) and feature software-configurable signal processing, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools.		
17	The fixed I/O DSP shall control and proxy all expander-class devices and control devices.		
18	The fixed I/O DSP shall be CE marked, UL listed, and shall be compliant with the RoHS directive.		
19	Approved Makes: Biamp, Creston, Bose, QSC		

Amplifier for Remote (VC) Sound Enforcement :

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	4-Channel PoE+ Conferencing amplifier shall provide control data and digital audio over AVB via an RJ-45 connector.		
2	The PoE+ conferencing amplifier shall provide four software-configurable output channels of 3 watts of continuous power per channel into a 4-ohm load and an 8-ohm load.		
3	The PoE+ conferencing amplifier shall also provide burst power of 50 watts per channel into a 4-ohm load, and 30 watts per channel into an 8-ohm load in accordance with ANSI/CTA-2006-B.		
4	The PoE+ conferencing amplifier shall be powered by PoE+ (IEEE 802.3at Class 4) and shall be suitable for use in air handling spaces in accordance with UL 2043.		
5	The PoE+ conferencing amplifier shall be capable of being attached directly to the back of a ceiling speaker.		
6	The signal processing of the PoE+ conferencing amplifier shall be configurable via the design software including, but not limited to: volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity.		
7	The PoE+ conferencing amplifier shall be CE marked, UL listed, and shall be compliant with the RoHS directive.		
8	Approved Makes: Biamp, Creston, Bose, QSC		

Amplifier for Local Sound Enforcement :

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	4 Channel 60W amplifier which shall provide 4 output channels rated for 60W each of maximum power into an 8-ohm load and a 4-ohm load.		



2	The amplifier shall also support a bridged mode in which each bridged pair is rated for 120W into an 8-ohm load and a 4-ohm load.		
3	In bridged mode, each bridged pair shall be capable of supporting 70V/100V distributed loudspeaker lines with direct-drive constant voltage operation at a total of 120W.		
4	The amplifier shall feature a high pass filter at 80Hz that can be manually switched on and off per channel pair.		
5	The amplifier shall support 4 analog, line level, balanced inputs for the reception of signal.		
6	The amplifier shall provide multicolour LED identification of signal, limiting, and clipping for each channel.		
7	The amplifier shall be equipped with screw-down terminal blocks for connecting input and output wiring.		
8	The amplifier shall be mountable under a table or in a podium or credenza with customer supplied hardware.		
9	The amplifier shall also be a half-rack width, a single rack unit tall 1(RU), and be mountable as a single unit or in pairs with included hardware.		
10	The amplifier shall feature a standby operation that is enabled when no signal is present and shall leave the standby state when signal is present again.		
11	The amplifier shall be CE marked, UL listed, and shall be compliant with the RoHS directive.		
12	Approved Makes: Biamp, Creston, Bose, QSC		

Ceiling Speakers			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	In-ceiling, indoor 6.5" Coaxial loudspeaker shall be a two-way, passive coaxial design intended for in-ceiling mounting.		
2	The conferencing loudspeaker shall be equipped with a 165mm treated paper low frequency transducer ("woofer"), a 25mm soft-dome high-frequency transducer ("tweeter"), and a passive crossover/protection circuit network.		
3	The high-frequency transducer shall be physically separate from the low frequency transducer and shall be bridge-mounted above the low frequency transducer.		



4	The conferencing loudspeaker shall have a ported architecture and a nominal impedance of 8-ohms.		
5	The conferencing loudspeaker shall have a coverage angle of 130° from 1kHz to 6kHz in accordance with IEC Standard EN60268-5.		
6	The conferencing loudspeaker enclosure shall be constructed of formed steel and UL94V-0 fire rated plastic.		
7	The conferencing loudspeaker shall include a terminal box that shall interface with conduit having an inside diameter of either 13mm or 22mm.		
8	The conferencing loudspeaker shall be equipped with a four-position, 5.08mm pluggable Euroblock connector and two RJ-45 connectors for audio signal connections.		
9	The conferencing loudspeaker shall be suitable for blind-mounting from below the ceiling and shall support a magnetically-attached grill.		
10	The conferencing loudspeaker shall have an attachment point for connection via chain or wire to building structure as a secondary support point.		
11	The conferencing loudspeaker shall comply with the requirements of UL Standard 1480A and UL Standard 2043.		
12	The conferencing loudspeaker shall be CE marked and shall be compliant with the RoHS directive.		
13	Approved Makes: Senheiser, Bosch, AKG, Creston, Biamp		

Conference Microphones - Beam Tracking Tabletop Microphones Type-I

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	The Beamtracking tabletop microphone shall be comprised of a tabletop microphone and a network box.		
2	The Beamtracking tabletop microphone shall utilize an AVB/TSN network via an RJ-45 connector for audio networking as well as software configuration and control.		
3	The Beamtracking tabletop microphone shall contain sixteen-element microphones and shall provide four 90-degree zones for 360 degrees of coverage.		
4	The Beamtracking tabletop microphone shall offer multidirectional beamforming and automatic signal tracking capabilities.		



5	The Beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with U.S. Patent 9659576.		
6	The signal processing of the Beamtracking tabletop microphone shall be configurable via the design software, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools.		
7	The Beamtracking tabletop microphone shall offer simple installation and shall be placed on or mounted directly to the tabletop.		
8	The Beamtracking tabletop microphone shall be powered by PoE (IEEE 802.3at Class 3, 15.4W).		
9	The Beamtracking tabletop microphone shall provide a second RJ-45 connector to allow connection of one expander microphone.		
10	The Beamtracking tabletop microphone shall be CE marked, UL listed, and compliant with the RoHS directive.		
11	Approved Makes: Senheiser, Bosch, AKG, Creston, Biamp		

Conference Microphones - Beam Tracking Tabletop Microphones Type-II

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	The expansion Beamtracking tabletop microphone which shall utilize a proprietary digital protocol via an RJ-45 connector for audio networking with a primary Beam tracking tabletop microphone.		
2	The expansion Beamtracking tabletop microphone shall contain sixteen-element microphones, and shall provide four 90-degree zones for 360 degrees of coverage.		
3	The expansion Beamtracking tabletop microphone shall offer multidirectional beamforming and automatic signal tracking capabilities.		
4	The Beam tracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with U.S. Patent 9659576.		
5	The signal processing of the expansion Beam tracking table top microphone shall be configurable via the design software, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools.		



6	The expansion Beamtracking table top microphone shall offer simple installation and shall be placed on or mounted to a table top.		
7	The expansion Beamtracking table top microphone shall be CE marked, UL listed, and compliant with the RoHS directive.		
8	Approved Makes: Senheiser, Bosch, AKG, Creston, Biamp		
5-Port Expansion Device with Mounting brackets :			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	It Should simplifies conferencing installations by providing power and media over a single category cable between devices such as AVB DSPs, USB extenders, PoE+ amplifiers, and microphones.		
2	CE marked, UL listed, and RoHS compliant.		
3	Four of the five Gigabit RJ-45 ports should provide PoE+ power (IEEE 802.3at Class 4, 30W) to connected endpoints.		
4	Should have Fault reporting and device monitoring.		
5	Approved Makes: Senheiser, Bosch, AKG, Creston, Biamp		
10" Touch panel :			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should have 10 Inches table top touch panel and POE adaptor		
2	The tablet should have 1280x800 resolution and security features like 802.1X authentication, TLS encryption, HTTPS connectivity, and Active Directory® service integration		
3	Approved Makes: Creston, Kramer, Extron, QSC		
IR Emitter Probe			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	IR emitter probe should be designed to adhere directly over the IR sensor window of a IR controllable device connect to a control system IR port and provides a 1 way control interface to the end device.		
2	Should support distance of 1000 feet or more using ordinary twisted pair cable.		
3	Should not flash light when in use.		
4	Approved Makes: Creston, Kramer, Extron, QSC		
Occupancy Sensor			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks



1	Should be ceiling mounted Dual-Technology Occupancy Sensor with 360 degree coverage pattern,		
2	Should be capable of communicating with external control system over a 4wire network to recall a scene or series of actions.		
3	Should have coverage up to 2000 Sq. Ft. or more,		
4	Should have ambient light recognition sensor (0-1000 lux or more),		
5	Should have input port to connect external photo sensor,		
6	Should Support Grace Occupancy feature,		
7	Should support Walk-Through Mode.		
8	Approved Makes: Creston, Schneider Electric, Philips		
High Voltage Relay Array (DIN rail Mountable) :			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should be DIN rail mountable 9M wide or less.		
2	Should have 8 channels of power switching or more, with Built-in 8 voltage-driven isolated digital inputs, or provide an external digital input port.		
3	Should Support for 120 to 240 Volt 50/60 Hz lighting and motor loads.		
4	Should support Per Channel 10 Amps incandescent, 5 Amps fluorescent, 0.5 HP at 120 to 240 Volts AC, 50/60 Hz; 5 Amps at 30 Volts DC; 16 Amps Resistive or more.		
5	Total Module should support 80 Amps incandescent, 40 Amps fluorescent at 120 to 240 Volts AC, 50/60 Hz or more.		
6	Should be capable of communicating with central control system.		
7	The unit should be addressable so that multiple units of same kind can be controlled via single communication port in a control system.		
8	Should be supplied with Three segment 4wire network distribution Hub.		
9	Should provide 60watts power over 4wire network to connected devices.		
10	Each segment Should support 20 4wire networked device.		
11	Should support three power supplies, and 4wire network power supply module.		
12	Should have six 4wire network power port or more.		
13	Approved Makes: Creston, Schneider Electric, Philips		



HDMI Cable-30 feet			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should be 30ft Male to Male High-speed Category 2 HDMI® cable.		
2	Should be 24k gold-plated 19-pin Type A connector.		
3	Should have High-flex CL3-rated jacket.		
4	Should Support 4K video, 10.2 Gbps bandwidth.		
5	Should be RoHS compliant.		
6	Approved Makes: Creston, Schneider Electric, Philips		
HDMI Cable - 6 feet			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should be 6ft Male to Male High-speed Category 2 HDMI® cable.		
2	Should be 24k gold-plated 19-pin Type A connector.		
3	Should have High-flex CL3-rated jacket.		
4	Should Support 4K60 4:4:4 video, 18 Gbps bandwidth.		
5	Should be RoHS compliant.		
6	Approved Makes: Creston, Schneider Electric, Philips		
Electronic Cable Cubby			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should be 4K twisted pair HDBase-T Transmitter.		
2	Should have Built-in 3x1 AV switcher with auto-switching and analog audio-breakaway, with 2x HDMI and 1xVGA input, and 1x HDMI and parallel 1X HDBase-T output or a suitable external switcher to be provided separately to match the minimum required ports.		
3	Should be HDBaseT® Certified to Enable direct connection to other HDBaseT certified equipment.		
4	Should handle digital video resolutions up to 4K and Ultra HD or more.		
5	Should handle analog video with resolutions up to HD 1080p and WUXGA, or more,		
6	Should handle 3D video and Deep Colour, should Allow embedding of stereo 2-channel analog audio signals or an		



	external stereo Audio embedder to be provided. HDCP 2.2 compliant,		
7	Built-in device control via CEC, IR, RS-232, and Ethernet or an external control port expansion unit to be provided.		
8	Supports cable lengths up to 330 ft (100 m) for all resolutions up to UHD and 4K using Digital Media Ultra cable,		
9	Supports cable lengths up to 330 ft (100 m) for 1080p, WUXGA, and 2K using Digital Media 8G cable or CAT5e,		
10	Supports cable lengths up to 230 ft (70 m) for UHD and 4K using Digital Media 8G cable, or 165 ft (50 m) using CAT5e. Should have 1 x USB Charger and 1 x Universal AC Power Socket.		
11	Approved Makes: Creston, Schneider Electric, Philips		

7 inch Room Scheduling Touch Screen and Room Availability Light bar :

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should be 7inch Room Scheduling Touch screen, with Multisurface mounting kit, and Room Availability light bar.		
2	Should support Microsoft Exchange Server® and Office 365® software, Google Calendar™ and G Suite™ software, and Ad Astra™ Schedule (IBM® Notes® and CollegenET® 25Live® and Third-Party Apps Teem®, Robin®, Appspace®3, Zoom™, EMS Software®, Space Connect™, NFS™ Rendezvous, Gingco.net™, and SharingCloud™ scheduling applications.,		
3	Should have 1xUSB 2.0 host for connecting Light bar or hallway sign,		
4	Should have Bluetooth for Pinpoint and proximity detection beacon.		
5	Scheduling panel should be TFT active matrix Colour LCD, 10.1 in. diagonal, with 1280x800 pixels resolution, aspect ratio of 16:10,		
6	Should have viewing angle of ±80° horizontal, ±80° vertical or better,		
7	Should have built in camera with 5.0MP resolution and 50° horizontal Field of View,		
8	Should have Built-in speaker for touch feedback and alert signals,		
9	Should support Cloud service IoT (Internet of Things) based platform for remotely provisioning, monitoring, and managing,		



10	Should be UL [®] Listed, CE, IC, FCC Part 15 Class B digital device compliant.		
11	Should be powered via Poe or PoE+ only, should not have separate power supply,		
12	Approved Makes: Creston, Kramer, Extron, QSC		
24U Equipment Rack			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	24 U Steel Powdered coated Floor Mount Rack (600mm Width x 800mm depth) with Top & bottom cover integrated to Frame with Cable Entry exit cut outs,		
2	Should have lockable toughened Glass Door or perforated steel door, lockable steel Rear door, Caster wheels (2 with Brake & 2 without Brake),		
3	Should conforms to DIN 41494 or equivalent standards,		
4	Should be loaded with 2 x Vertical Cable Manager- 20U with Loops, 2 x 180 CFM Fan mounted on the top cover, 1 x sliding Tray (600mm x 600 mm), 1 x fixed tray (600 mm x 600 mm), 1x Vertical Power Strip 10 x 6/16 amp Universal Socket and in-built MCB, Hardware screws - 80 nos, grounding kit and complete with all accessories.		
5	Approved Makes: Netrack, APW, Rittal, Vertiv		
Modular Server Chassis Minimum Requirements			
Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Should have Maximum 5 U rack height chassis housing modular servers with provisions for housing common resources like storage, networking, power management & Ethernet & SAN Switching for all Servers in the Chassis with rack mount kit and rails.		
2	Modular enclosure should hold upto four half-height blade servers or more and should be configured with the following :		
3	25 x 2.4TB 10K RPM SAS 12 Gbps 512e 2.5 inch Hot-Plug Drive		
4	Internal RAID Controllers 1GB NVRAM for the chassis		
5	2 x Chassis Management Controller card for managing the chassis & Storage		
6	1 x DVD+/- RW SATA internal		
7	1x CMC extended Storage card		
8	4 x 1100 W Hot Swappable Redundant Power Supply supporting N+N and N+1 redundancy		



9	6 x Hot-Pluggable redundant FAN Modules		
10	In-built 10Gb Switch Module to support 4 x 10GbSFP+ (loaded with 4 x 10GbbaseT modules)		
11	Approved Makes: DELL, HP, IBM		

Server Blades / Node Specification

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Server (s) should be compatible to the proposed chassis with following configurations		
2	CPU : 2 x Intel Xeon Silver 4210 2.2G, 10C/20T, 9.6GT/s. 13.75M Cache, Turbo, HT (85W) DDR4-2400		
3	Memory : 128 GB (4 x 32 GB) DDR4, 2400 MHz		
4	Disk Space : 2 x 1.2 TB 10K RPM SAS 12 Gbps, Hot-Plug		
5	RAID Controller : 12 Gbps PCIe 3.0, 2 GB Cache, RAID 1,10		
6	Networking: 2 x 10Gbps BaseT for redundant connectivity to Chassis converged Switches.		
7	SAN Connectivity : Optional support for the fiber-channel connectivity		
8	USB Ports : one front accessible USB 3.0 port		
	Bus Slots : 3 PCIe 3.3 x 16 slots		
10	Management : Virtual Media, Virtual Folders, Remote File Share, Virtual Console, Monitoring FAN, Power Supply, Memory, CPU, RAID, NIC for impending failure.		
11	Server Security : Silicon-based hardware root of trust, automatic secure BIOS recovery, cryptographically signed firmware update, configuration and firmware drift detection, protection against compromised firmware execution, persistent event logging including user activity, secure wiping all user data from drives, NVRAM		
12	Approved Makes: DELL, HP, IBM		

Server Virtualization Software to be loaded in the above Servers

Sl.No.	Specifications	Compliance (Yes/No)	Deviation /Remarks
1	Vmware Standard License 3 year Subscription w/Downgrade Rights,		
2	vSphere Standard 2 CPU License per Server with 3 Years Subscription w/Downgrade Rights		
3	Approved Makes: DELL, HP, IBM		



Annexure XIX

Equipment Pre-Dispatch Inspection

All Test criteria need to be assessed with respect to compliance and the specification submitted by bidder in the proposal. Pre Dispatch Inspection will not pass any item which even if meets the compliance but deviates from the specification submitted by the bidder during proposal submission.

With aforesaid clause, test criteria will imply –

During pre-dispatch inspection, the equipment under test must satisfy both the following conditions

1. Actual result should comply with test criteria
2. Actual result should match with the specification submitted by the bidder as part of the proposal submission

Technical Specification Required	Test Criteria(Bidder's Proposed Specs)	Actual Result	Test Outcome (Pass/Fail)
Compliance for the equipment as per annexure XVIII			



FINANCIAL BID
Instructions to Bidders

1. Financial Bid shall be submitted with full price details.

Financial Bid shall contain only the prices duly filled in as per the format given in Schedule of Rates provided in the tender document. Price bid should not have any Commercial and/or Technical stipulation.

Financial Bid Standard Forms (**Form-1**) shall be used for the preparation of the price quote according to the instructions provided.

2. The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 3. The changes displayed in the corrigendum/addendum to the bid documents, particularly with the financial bid should be attached with the **Financial Bid Submission Form**, in the same packet, duly signed and stamped by the authorized signatory of the Bidder firm.
 4. The financial bid should be filled in all respect and uploaded in “.PDF” format (only) duly signed and sealed by the authorized representative. In case, the financial bid documents are not complete in all respect the same should be treated as incomplete at financial bid stage and shall be considered non-responsive.
-



Annexure XX

FINANCIAL BID SUBMISSION FORM

To:
CGM (DES),
EdCIL (India) Limited,
EdCIL House, 18A, Sector- 16A,
NOIDA- 201 301 (U.P)

Dated: ___/___/2020

Dear Sir,

We, the undersigned, offer to provide “**Design, Planning, Supply, Installation. Testing, Commissioning and Maintenance of ICT components for new campus of IIM Shillong, Shillong**” In accordance with your request for proposal dated ___/___/2020 and certify that no terms and conditions have been stipulated by us in the Financial Bid.

Our attached Financial Bid is for the amount of _____ *[Indicate the corresponding to the amount(s), currency(ies) {Insert amount(s) in words and figures}]*.

Please note that all amounts shall be the same as in Form-1. Our Financial Bid shall be binding upon by us subject to the modifications resulting from Contract negotiations, if any, up to expiration of the validity period of the Proposal.

We remain,
Yours sincerely,

Authorized Signature {In full and initials}:

Name and Title of Signatory:

In the capacity of:

Address:

E-mail:

**Form-I****FORMAT FOR SUBMISSION OF FINANCIAL BID**

From	To
	EdCIL India Ltd.
	Noida Sec 16A,UP

Sub: Price Bid with reference to Tender Document No: EdCIL/DES/Shillong/IIM/2020/01 dated 04/09/2020

SN	Description of Material	Make & Product No	Unit	Qty	Unit Price including 3yr OEM warranty	Basic Price	Any other prevailing tax/Duty	GST	Total Price
1	2	3	4	5	6	7(5*6)	8	9	10(7+8+9)
1	VOIP Phone								
1.1	IP Phone Type-I		Nos	189					
1.2	IP Phone Type-II		Nos	17					
1.3	Operator Console IP Phone		Nos	1					
1.4	Fixed Cellular Terminal		Nos	1					
1.5	Server Based IP-PBX		Nos	1					
1.6	Call Reporting Functionality		Nos	1					
2	Networking								
2.1	Network Firewall		Nos	1					
2.2	Core Switch		Nos	2					
2.3	Distribution Switch		Nos	2					
2.4	48 Port PoE+ Switch		Nos	23					
2.5	24 Port PoE+ Switch		Nos	18					
2.6	12 Port POE+ Switch (Multi Gig)		Nos	15					
2.7	12 Port PoE+ Switch		Nos	8					
2.8	10G SFP+ LC LR 10km SMF Transceiver.		Nos	208					
2.9	10G-BASE-TX RJ-45 up to 30M over CAT 6a/7 cable		Nos	16					
2.10	Wireless Lan Controller		Nos	1					
2.11	Wireless Acces Point : Type - I		Nos	85					
2.12	Wireless Access Point - Type - II		Nos	59					
2.13	Wireless Access Point - Type - III		Nos	19					
3	CCTV								
3.1	5 MP DOME IP CAMERA		Nos	68					



SN	Description of Material	Make & Product No	Unit	Qty	Unit Price including 3yr OEM warranty	Basic Price	Any other prevailing tax/Duty	GST	Total Price
1	2	3	4	5	6	7(5*6)	8	9	10(7+8+9)
3.2	5 MP IR BULLET INDOOR/OUTDOOR IP CAMERA		Nos	73					
3.3	VIDEO MANAGEMENT SOFTWARE FOR SURVEILLANCE		Nos	1					
3.4	SITC of Video management camera connection license (per Camera connected in the Network) - One time only		Nos	180					
3.5	SITC of Intrusion detection video analytics Preferably from same OEM or third party as VMS Camera Connection License with event share by SMS and email		Nos	10					
3.6	SITC Fire and Smoke detection Video Analytics Preferably from same OEM or third party as VMS camera connection license, event share by SMS and email		Nos	10					
3.7	SITC of ANPR Camera connection license from Preferably from same OEM or third party as VMS		Nos	2					
3.8	SITC of Zone monitoring and trip wire video analytics Preferably from same OEM or third party as VMS camera Connection license event share by SMS and email		Nos	10					
3.9	SITC of Unattended left object detection video analytics Preferably from same OEM or third party as VMS camera connection license event share by SMS and email		Nos	10					
3.10	Quad Monitor Workstation for VMS Client specification		Nos	1					
3.11	55" Video Wall		Nos	4					
3.12	VMS & Analytics Server		Nos	2					



SN	Description of Material	Make & Product No	Unit	Qty	Unit Price including 3yr OEM warranty	Basic Price	Any other prevailing tax/Duty	GST	Total Price
1	2	3	4	5	6	7(5*6)	8	9	10(7+8+9)
4	ACCESS CONTROL SYSTEM								
4.1	Networkable Door Access Controller		Nos	12					
4.2	Biometric Fingerprint Scanner Reader		Nos	2					
4.3	EM Mullion RFID 13.56 MHz Contactless Smart Proximity Card Reader		Nos	12					
4.4	Electromagnetic Lock- Single Leaf Door		Nos	11					
4.5	Electromagnetic Lock- Double Leaf Door		Nos	1					
4.6	Magnetic Door Contact		Nos	12					
4.7	EXIT Push Button Switch		Nos	12					
4.8	13.56MHz PVC Smart Cards		Nos	500					
4.9	Access Control & Time Attendance Software		Nos	1					
4.10	Integrated Software for Integration		Nos	1					
4.11	ACS Workstation		Nos	1					
5	Video Conferencing System								
5.1	65" Touch Display		Nos	1					
5.2	65" Non-Touch Display		Nos	1					
5.3	Video Conferencing System		Nos	1					
5.4	Wireless Presentation System		Nos	1					
5.5	Digital Multimedia Presentation System		Nos	1					
5.6	Low profile surface mounted Twisted pair receiver		Nos	1					
5.7	Digital Signal Processor (DSP)		Nos	1					
5.8	Amplifier for Remote (VC) Sound Enforcement		Nos	1					
5.9	Amplifier for Local Sound Enforcement		Nos	1					
5.10	Ceiling Speakers		Nos	8					
5.11	Conference Microphones - Beam Tracking Tabletop Microphones-Type-I		Nos	3					



SN	Description of Material	Make & Product No	Unit	Qty	Unit Price including 3yr OEM warranty	Basic Price	Any other prevailing tax/Duty	GST	Total Price
1	2	3	4	5	6	7(5*6)	8	9	10(7+8+9)
5.12	Conference Microphones - Beam Tracking Tabletop Microphones-Type-II		Nos	3					
5.13	5-Port Expansion Device with Mounting brackets		Nos	1					
5.14	10" Touch panel		Nos	1					
5.15	IR Emitter Probe		Nos	2					
5.16	Occupancy Sensor		Nos	1					
5.17	High Voltage Relay Array (DIN rail Mountable)		Nos	1					
5.18	HDMI Cable-30 feet		Nos	2					
5.19	HDMI Cable-6 feet		Nos	8					
5.20	Electronic Cable Cubby		Nos	2					
5.21	7 inch Room Scheduling Touch Screen and Room Availability Light bar		Nos	1					
5.22	24U Equipment Rack		Nos	1					
6	Server								
6.1	Modular Server Chassis		Nos	1					
6.2	Server Blades		Nos	4					
6.3	Vmware Standard License		One Set	1					
6.4	vSphere Standard License		One Set	4					
7.1	Technical Manpower charges for on-site support during 1 st year warranty		No.	1					
7.2	Technical Manpower charges for on-site support during 2 nd year warranty		No.	1					
7.3	Technical Manpower charges for on-site support during 3 rd year warranty		No.	1					
8	Other charges , if any								
9	CMC charges (after warranty of 3 years)	Charges for 4th year (including technical manpower cost)							
		Charges for 5th year (including technical manpower cost)							



		Charges for 6th year (including technical manpower cost)				
		Gross Total → Net offered Price →				
		Net offered Price (In Words)				
The followings things are confirmed and undertake by us that:						
A	The total price quoted above are inclusive of basic price, statutory duty & taxes, Transportation, Incidental services (including Insurance, Loading/ unloading, Packing & Forwarding charges, Installation etc.) at site.					
B	Offer price shall be valid for a period of 180 days from the date of opening of Technical bid of this tender					
C	We will be agreed to offer services for on-site comprehensive warranty on the all ICT components supplied through this tender for three (03) years & further AMC for three (03) years.					
Date:	Signature of Authorized Bidder with proper rubber stamp					
	Name:					
	Designation:					
	Mobile No:					