

**आईटीआई लिमिटेड****ITI LIMITED**

(भारत सरकार का उपक्रम)

(A Govt. Of India Undertaking)

क्षेत्रीय कार्यालय :-

Regional Office

प्लैट नं. 201-202

Flat No. 201-202

रोहित हाउस, 3-टालस्टाय मार्ग

Rohit House, 3- Tolstoy Marg,
New Delhi-110 001

नई दिल्ली-110 001

Phone : 23317195, 23317196

फोन : 23317195, 23317196,

23317666, 23314164

फैक्स : 011-23317197

Fax : 011-23317197

फैक्स : 011-23317197

E-mail : ro_dli@itilttd.co.in

Our Ref.: BDL/CHD/EOI/2K20/IT/PTU/Networking

Date : 17.11.2020

SUBJECT: Invitation for Expression of Interest (EOI) : for Supply, Installation, Testing, Commissioning & maintenance of Networking, CCTV products for a State University.

Sealed EOI are invited for addressing a 'Business Opportunity' worth nearly **Rs 60 Lacs.** from well-established and experienced System Integrators for Supply, Installation, Testing, Commissioning & maintenance of Networking, CCTV products to State University in Haryana.

Indian Companies having Average Annual Turnover of minimum Rs 24 Lacs. in last three fiscal years may submit their Sealed Technical and Priced proposal under two Cover systems for the same. It is a must for the bidder to have a valid case specific Authorization cum Support Letter from reputed OEM of Computer Software.

The interested companies may down load the EOI Document from website: "www.itilttd-india.com/delhi/tenders and www.eprocure.gov.in" the **Scope of work** and Terms-conditions as per the details given below:

1	Address of the Designated office for this EOI	ITI Limited, New Delhi (As given above)
2	Contact Persons	Shri Ranjeet Singh DGM, ITI Ltd. Chandigarh Shri I.A Khan Deputy Manager (Marketing) Shri S.P.S Chauhan AE (Marketing)
3	Telephone Numbers	011-23317195, 011-23317666
4	Cost of the EOI document in shape of DD	Rs 1180/-Inclusive GST @ 18%
5	EMD (DD/FDR)	Rs 120000/- (One Lac Twenty Thousand only)
6	Last date & Time for purchase/down load the EOI document	25 th November 2020 at 11.00 Hrs
7	Last date & Time for submission of EOI/ Proposal	25 th November 2020 at 14.00 Hrs
8	Opening Time & Date of EOI/ Proposal	25 th November 2020 at 14.30 Hrs

In order to get the clarity of the scope of work / terms-conditions, the bidders are requested to go through the Specifications and other project related requirements carefully. An explicit understanding of the requirement is rather essential for arriving at commercial assessment of the prospective bidders.

The selected bidder who is to play the role of a 'Business Partner' has to enter in to an agreement with ITI Limited under Sole Investment Business Model on back to back basis to forge a case-specific business alliance for arranging the requisite bidding inputs and further Joint Implementation of the project. The bidder will have to submit the EMD in the form DD/FDR in the favors of "ITI Limited, New Delhi".

As the above timelines are extremely important, any compromise on this account will not be accepted.

For ITI LIMITED

(I A Khan)

Deputy. Manager (Marketing)



व्यापार विकास : कोर -1, 11 वॉ तल, स्कोप मीनार, लक्ष्मी नगर जिला केन्द्र, लक्ष्मी नगर, दिल्ली-110092, दूरभाष : 22016423 टेलीफैक्स : 22023084

इंजीनियरिंग : 12 बी, नेताजी सुभाष मार्ग, दरियागंज, नई दिल्ली-110002, दूरभाष : 23275600, 23271193

पंजीकृत एवं निगमित कार्यालय : आई टी आई भवन, दूरवाणी नगर, बंगलूर-560 016, भारत दूरभाष : (91) (80) 25614466 फैक्स : (91) (80) 25617525

Registered and Corporate Office : ITI Bhavan, Doorvani Nagar, Bangalore-560 016, India Phone : (91) (80) 25614466 Fax : (91) (80) 25617525

CIN NO. L32202KA1950GOI000640, Website : www.itilttd-india.com

Invitation for Expression of Interest (EoI) : for Supply, Installation, Testing, Commissioning & maintenance of Networking, CCTV products for a State University.

Address of the Designated office for this EOI	ITI Limited, New Delhi
Cost of Tender document in shape of Cash / DD in favor of ITI Limited New Delhi	1180/- inclusive GST @18%
EMD (DD in favor of ITI Limited New Delhi)	Rs 120000/- (Rs. One Lac Twenty Thousand Only)
Last Date and Time for download/ Sale of EoI Document	24 th Nov. 2020 at 11.00 Hrs
Last Date and Time for submission of EOI/Proposal	24 th Nov. 2020 at 14.00 Hrs
Date and Time for opening of EOI and Technical Bid	24 th Nov. 2020 at 14.30 Hrs
Bid Validity	6 Months from date submission

PREAMBLE

ITI Limited (ITI) is a Public Sector Undertaking which functions under the aegis of The Ministry of Communications and IT, Government of India. As such it follows all the financial and administrative rules and procedures put in place from time to time to conduct the business activities.

We at Regional Office Delhi (which is part of the Corporate Marketing Department located at Bangalore) are engaged in the business of Providing **system integration, Networking, CCTV and IT Services**. The objective of this Invitation for submission of EoI (Expression of Interest) is to identify an organization to address a particular 'Business Opportunity' / kind of 'Business Opportunities' which has emerged from a Govt. client for the implementation of a project in **Government domain**. The prospective customer has already published/disclosed its requirement which is to be responded with the submission of Techno-commercial proposal / Bid in due course of time.

The selected bidder who is to play the role of a 'Vendor' has to enter in to a contract with ITI Limited to forge a case-specific business alliance for addressing the opportunity.

During the bidding process, the vendor is supposed to provide the requisite Techno-commercial inputs to ITI as per the requirement/Specifications/Expectations/Scope of Work of the prospective customer to win a commercial-favor in terms of award of order to ITI. The name of the end-customer and other finer details of the Projects would be shared with the selected bidder prior to the actual bidding to be done by ITI.

It should be noted that the business associate selected as vendor /SI will not be allowed to have alliance with other bidders / competitors of ITI for the same business opportunity.

In the event of the award of an order to ITI, the selected business associate would act as a SI/ Vendor to implement the project for which a separate 'Purchase Order' would be placed on the selected vendor/SI.

INTRODUCTION TO EOI INVITATION

ITI is interested in addressing some of the prospected business opportunities where it is strongly positioned by virtue of its 'PSU Status', proven 'Project Management Capabilities' and rich 'Relevant Experience. ITI is looking for business association from reputed System Integrators/OEMs who can assist ITI to win the business and ultimately help ITI in the execution of the project.

The prospective bidders are advised to study the EoI document carefully. Submission of your EoI shall be deemed to have been done after careful study and examination of the same with full understanding of its implications. Failure to furnish all information required in the Document or submission of an EoI not substantially responsive to it in every respect will be at the Bidder's risk and may result in its outright rejection.

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 ITI Limited. In no case, ITI would be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering Process. ITI reserves the right, not an obligation, to carry out the capability assessment of the Bidder(s). This right inter alia includes seeking technical demonstrations, presentations and live site visits.

VITAL CHARACTERISTICS OF A BUSINESS ASSOCIATE

A 'Prospective Bidder' must possess the following basic qualities:

- a. Willingness to sign agreement with ITI for addressing the end-customer's requirements as per his terms and conditions.
- b. The requisite technical experience, qualification and competence in the field of Supply and Installation of Equipment's for Campus Networking , **CCTV Surveillance system integration and IT Services** Investment Capability.
- c. Ability to withstand the Business-Risk.
- d. Understanding of provisioning of appropriate type of Products/Solutions/Service offerings best suited to the case-specific requirement.
- e. Capability to provide all cost elements in time which need to be structured into the final costing of the project (as per the requirement of ITI's customer) with a clear intention of assisting ITI to win the business.
- f. Arrangement of Warranty and Post Warranty Maintenance support.
- g. Capability of customization of Software and Hardware as per the specifications/requirements of the customer.
- h. Backing of OEMs through Letter of Authorization from the major OEMs.
- i. Adherence to Ethical Business Practices and Professionalism.
- j. Willingness to strive to achieve the maximum indigenous content, as per the guidelines of Govt. of India from time to time.
- k. Compliance of 'No Infringement of any Patent Right' in accordance with the prevailing laws.

DEFINITIONS:

a	ITI means M/s ITI Limited.
b	EoI means Expression of Interest to act as a Vendor / System Integrator agency of ITI.
c	The Purchaser means ITI Ltd, New Delhi.
d	The End-Customer means the prospective client who would select ITI as a contractor and award order for end-to-end implementation of the project as envisioned under the Tender Document.
e	SI means System Integrator or the Vendor who has been selected as System Integrator.
f	The Bidder means the SI /Vendor or Consortium who submits this EoI and subsequently provides inputs to ITI to participate in the Main Bidding against the tender notification of the ITI's end-customer.
g	The Deliverables means all the Systems (both Hardware and Software), Equipments, Devices, Services related with the proper execution of the project as envisaged under the Order / Contract to be signed by the 'end-customer'.
h	The Purchase Order means the order placed by ITI on the SI / Vendor.
i	The Contract Price means the price payable to the Supplier(s) / Vendor(s) under the Purchase order for the full and proper performance of its contractual obligations.
j	Evaluation is a process of adjudging the EoI to the satisfaction of ITI.
k	ICT means "Information and Communication Technology"

l	LOI means “Letter of Intent”.
m	Sole Investment Business Model means the Investment Part pertaining to this opportunity would be handled exclusively by SI partner and ITI may not invest in the project. Though ITI shall not get direct financial exposure, the overall project related responsibilities would rest upon ITI for both monitoring and execution. ITI shall provide its project management expertise for smooth implementation of the entire project.
n	IPR means Intellectual Property Rights
o	OEM means Original Equipment Manufacturer
p	QCBS means Quality cum Cost Basis Selection where both Technical and Commercial aspects of bidding are taken in to consideration
q	MOU means Memorandum of Understanding
r	EMD means Earnest Money Deposit /Bid Security

ELIGIBILITY CRITERIA:

The bidder must be a Registered Indian company/Partnership/ Proprietary. The Bidders are required to refer the ‘**Annexure-II**’ for the details of the eligibility criteria. The bidders shall submit necessary documentary proof (certified photocopies) showing that they meet the specified eligibility criteria.

Considering the importance of the opportunity as well as that of the prospective end customer, it is very much desirable that the bidders have sufficient experience in the desired area.

The bidder must have not been declared black listed / ineligible to participate for bidding during last five financial years by any State / Central Govt / or PSU due to unsatisfactory performance, breach of general or specific instructions, corrupt or fraudulent or any other unethical business practices.

The date of Eligibility shall be Date of Publication of the EoI Notification.

In case if any of the Qualifying Criterion is not met, the Bid /EoI will be declared unresponsive and the same will not be evaluated further.

***Constitution of Consortium:**

1. Consortium is not allowed.

2. The payment shall be made by the Company only towards fulfillment of Contract obligations.

GENERAL TERMS AND CONDITIONS

1. The Bidder(s) are required not to impose their own terms and conditions to the bid and if submitted, it will not be considered as forming part of their bids. The decision of ITI shall be final, conclusive and binding on the Bidder(s). In a nutshell, the Conditional Bid or Bid with deviations will be summarily rejected.
2. Only those who qualify the eligibility conditions need submit the proposal.
3. The bidder is expected to go through the enclosed Document (**Annexure-I**) to have clarity on Scope of work and Specifications. The bidders are to quote only fully

compliant solution.

4. The bidder may be required to study the existing system being used by the end-client to assess the exact requirements and the Quantum of work on “No-commitment” basis (no commercial compensation would be given to the bidder either by ITI or the end-client for doing this exercise).
5. The exact strategy to address and win the business opportunity would be shared / discussed with the Best rated qualified bidder in due course of time.
6. The bidder is required to extend the requisite support during the evaluation by giving Technical Presentation /Demonstration /Arranging site visits (if required) on “No-Cost No-commitment” basis.
7. Any clarification issued by ITI in response to query raised by prospective bidders shall form an integral part of bid documents and it shall amount to an amendment of relevant clauses of the bid documents.
8. A clause-by-clause compliance statement to all Sections of the EoI document is to be submitted in the Technical Bid, demonstrating substantial responsiveness. A bid without clause-by-clause compliance statement to all the sections of the EoI document including the Technical Specifications, Commercial Conditions, Special Conditions and the Annexures shall not be considered for evaluation and shall be summarily rejected.
9. The bidder should study the enclosed **Annexure-I** carefully to assess the work and Risk factors associated with such type of Business opportunities.
10. The bidder has to consider the following major Cost Factors while arriving at a commercial decision:
 - Direct Cost (requisite IT Hardware and Application Software)
 - Fiscal Cost
 - Logistic-Cost
 - Taxes/ Duties
 - Services and Administrative Cost
 - Training and Documentation Cost
 - Contingencies
11. The bidder should enclose the following documents with their ‘**Technical Bid**’:
 - Proof of Purchase of the EoI document (Money Receipt or the Original EoI Document.
 - Earnest Money Deposit (EMD)/ Bid Security as per the requirement.
 - Power of Attorney to sign the bid.
 - Annual Report/ Balance Sheets (including Profit and Loss Account) for last three years to establish the Financial Eligibility of the bidder and the consortium members.
 - Details of Experience as envisaged along with copies of the orders and work completion certificates as envisaged.
 - Testimonies for the envisaged Facility Management capability.
 - Memorandum and Articles of Association.
 - Company Registration Certificate.
 - Company Profile.
 - Copies of GST, registration and Copy of PAN Card.
 - Copies of ITR, GSTR, of last three years.
 - Copies of Quality Certificates.
 - Self-Certification for No Black-listing as per the Eligibility.
 - OEM Authorization Letter/Support Letter.
 - Document on Understanding of the Requirement
 - Any other Specific Document as required under EoI Eligibility.

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- Provident Fund and ESI details.
12. Please note that if any document/authorization letter/testimonies are found fabricated / fake, the bid will be declared as disqualified and EMD will be forfeited. This may also lead to the black-listing of the bidder.
 13. All the required documents to establish the bidder's eligibility criteria should be enclosed with the original EoI (Technical-Bid) itself. The EoI will be evaluated on the basis of the documents enclosed with the original EoI only. ITI will not enter into any correspondence with the bidder to get these certificates/ document subsequently. However, it reserves its right to get them validated/verified at its own.
 14. Due to any breach of any condition by the bidder, the Bid Security (EMD) submitted by the bidder may be forfeited at any stage whenever it is noticed and ITI will not pay any damage to the bidder or the concerned person. The bidder or/and the person will also be debarred for further participation in future EoI/Tenders.
 15. All suppliers (including small scale units who are registered with the National Small Scale Industries Corporation under Single point registration scheme) shall furnish Bid Security to the purchaser as per the requirement. As such no bidder is exempted to furnish the EMD.
 16. The successful bidder's bid security (EMD) will be discharged upon the bidder's acceptance of ITI's Order in due course of time and furnishing the Requisite Performance Security/Guarantee.
 17. The bid security of the unsuccessful bidder will be returned/ discharged within 15 days of the opening of the Bids.
 18. Suitable 'Training' would have to be imparted to ITI personnel at Bidder's cost in the areas of Installation, day to day Maintenance and Operation of entire system (in the event of placement of order by ITI). The training of the personnel shall be to ensure trouble free operations of the System/Equipments by the end customer.
 19. The bidder is required to enclose **Notarized Copy of the Power of Attorney** from its Directors/Top management which should indicate clearly the name of the signatory and title. Bidders must ensure that all the documents are sealed and signed by authorized signatory.
 20. The Power of Attorney given to the Authorized Signatory should be submitted and executed on the non-judicial stamp paper of appropriate value as prevailing in the respective states(s) and the same be attested by a Notary public or registered before Sub-Registrar of the states(s) concerned.
 21. The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract (if signed). The performance security Bond will be discharged by the Purchaser after completion of the supplier's performance obligations including any warranty obligations under the contract.
 22. "DISCOUNT, if any, offered by the bidders shall not be considered unless specifically indicated in the price schedule.
 23. The '**Technical Bid**' and '**Commercial Bid (as per Annexure-V)**' shall be placed in the separate sealed envelopes super scribed with words "Technical Bid" and "Commercial-Bid" respectively mentioning EoI Reference clearly.
 24. Both '**Technical Bid**' and '**Commercial bid**' are to be placed in a 3rd sealed Cover duly properly addressed mentioning EoI Reference and Date of Opening.

25. Sealed offer/EoI prepared in accordance with the procedures enumerated above should be submitted to the Tenderer not later than the date and time laid down, at the specified address.
26. The Technical Bids will be opened as per the schedule. The Bidder(s) or their authorized representatives may attend the Opening if they so desire. The Commercial Bids of only technically qualified Bidder(s) will be opened at a later date. The Bidder(s) who have been declared eligible after evaluation of the technical bids or their authorized representatives may attend the Opening.
27. ITI shall not be responsible for any postal delay about non-receipt / non-delivery of the bid/documents. This EoI Document is absolutely not transferable.
28. The bid submitted may be withdrawn or resubmitted before the expiry of the last date of submission by making a request in writing to ITI to this effect. No Bidder shall be allowed to withdraw the bid after the deadline for submission of the EoI.
29. It is further stressed that synergies between ITI's competitors with the bidder or cartel formation with other bidders would result in Disqualification of the Bidder.
30. ITI reserves the right to accept or reject any EoI/ Bid partially or fully or annul the bidding process and reject all bids at any time prior to award of contract without Assigning any reason thereof and without incurring any liability to the respondents. ITI Limited also reserves the right to withdraw this EoI, should it be necessary at any stage.

SPECIFIC TERMS AND CONDITIONS

1. The requirement is meant for addressing a business opportunity which has emerged from a Govt of India body against their already published tender-notification / Invitation for the submission of Bids which envisages implementation of CCTV Sur. The broad 'scope of work' would be as per the Annexure-I however the exact Scope of Work will be intimated to the selected SI/Vendor in due course of time (once bidder is short-listed/ empanelled) for addressing the opportunity.
2. The bidder (in the capacity of a System Integrator) is supposed to address the business opportunity jointly with ITI under "Sole Investment Business Model". This may include arranging Bid Security and Performance Bank guarantee etc. All 'Terms and Conditions' as per ITI's customer with regard to Payment / Reward / Delivery/Penalty shall be applicable on the selected Business Associate /SI also (in the event of the award of the business to ITI by the end-customer).It may please be noted that ITI shall not open any 'Escrow Bank Account' with the consortium member/SI (in the event of the award of the order to ITI).
3. ITI may consider the bidder (at its own discretion) for addressing other similar business opportunities related with Supply and Installation of Equipments for Networking, CCTV Surveillance Solution. The bidder must be prepared to work with ITI limited on exclusive basis and will neither submit any direct proposal (to the end-client) nor submit any business proposal (to the end-client) through other business partner/PSU .In case of violation of the same, the EMD shall be will be forfeited and the bidder will be black-listed.

EOI REJECTION CRITERIA

The EoI/Bid will be rejected in case any one or more of the following conditions are observed:

1. Bids received without Proof of Purchase of EoI Document and EMD as per requirement.
2. Bids which are not substantially responsive to the Invitation for EoI.
3. Incomplete or conditional EoI that does not fulfill all or any of the conditions as specified in this document.
4. Inconsistencies in the information submitted.
5. Misrepresentations in the bid proposal or any supporting documentation.
6. Bid proposal received after the last date and time specified in this document.
7. Bids found in unsealed cover, corrections in the bids.
8. Unsigned bids, bids signed by unauthorized person (without a valid Power of Attorney).
9. Bids containing erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be authenticated by the person(s) signing the bid.
10. Bid shall remain valid for the specified period from the date of opening of EoI/Bid prescribed by the purchaser. A bid valid for a shorter period shall be rejected by the purchaser being non-responsive.

BID EVALUATION PROCESS

1. Prior to the detailed evaluation, ITI will determine the substantial responsiveness of each EoI/Bid to the EoI Document. For purpose of ascertaining the eligibility, a substantially responsive bid is one which confirms to all the terms and conditions of the EoI Document without deviations.
2. The purchaser's determination of bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.
3. ITI may waive any minor infirmity or non-conformity or irregularity in the bid / EoI which doesn't constitute a material deviation, provided such waiver doesn't prejudice or effect the relative ranking of any bidder
4. The EoIs submitted by the Bidders would be subjected to a well defined and transparent evaluation process.
5. The Bidder(s) will be evaluated on QCBS (**Quality cum Cost Basis Selection**) System with a 65% weightage for Technical Bid and 35% for Commercial Bid.
6. A maximum of 1000 marks will be allocated for the Technical Bid. The evaluation of functional and technical capabilities of the Bidders will be completed first as per the following process:
7. The technical proposals only will be subjected for evaluation at this stage. The Bidders scoring less than 600 marks (cut-off score) out of 1000 marks in the technical evaluation shall not be short-listed for next stage of Commercial Bid evaluation process.
8. In case, more than three participating Bidders qualify on technical criteria and reach or exceed the cut-off score of 600, then ITI at its sole discretion may qualify maximum three (total) Bidders on the basis of the top three scores.
9. Only those Bidders who qualify as per the specified Eligibility Criteria shall be considered for technical evaluation in which scores will be awarded based upon the evaluation matrix given Annexure-3. The bidders scoring at least 600 points in the technical evaluation shall be considered for further financial evaluation. However,

weightage will be carried forward from technical qualification stage to financial bid evaluation.

10. The bids will be eventually evaluated on the basis of the vendor ratings which will be done on the basis of combined scoring of the Technical Bid (weighted) and Commercial bid.
11. ITI may, at its sole discretion, decide to seek more information from the Bidders in order to normalize the bids. However, the Bidders will be notified separately, if such normalization exercise as part of the technical evaluation is carried out.
12. The Bidders who are short-listed based upon technical criteria may be asked, if necessary, to make a presentation on their solution at Delhi, at their own cost.
13. The Bidder getting the highest Vendor Rating (VR) shall be selected for case-specific Business Association

Final Vendor Rating will be governed as per the following formula:

$$\mathbf{VR = TR + CR}$$

Where VR is overall Vendor Rating
TR is Technical Rating
CR is Commercial Rating

TECHNICAL RATING (TR) would be evaluated on the basis of the following formula:

$$\mathbf{TR = \frac{65}{100} \times TECHNICAL SCORE (TS)}$$

Where Technical Score (TS) would be calculated as per the Technical evaluation Matrix given at Annexure-III.

COMMERCIAL RATING (CR) would be evaluated on the basis of the following formula:

$$\mathbf{CR = \frac{35}{100} \times COMMERCIAL SCORE (CS)}$$

Commercial Score (CS)

Commercial Rating is based on Commercial Scoring (CS) of a particular bidder which will be worked out as per the Formula given below:

$$\mathbf{CS = \frac{AQ}{BQ} \times 1000}$$

Where:

AQ is **Actual Quote** (Commercial Score) of a particular Bidder under consideration.
BQ is **Best Quote** (Commercial Score) of the Best Bidder

Annexure-I**SCOPE OF WORK**

The details of scope of work are as under:

1. System Integrator (SI) will understand the requirements of end customer for Implementation of LAN Networking Solution.
2. SI/Vendor will ensure that the switches, CCTV Cameras, access points, licenses other equipment and cables should be fully compatible and having full feature transparency with the system and network.
3. While designing the network, SI has considered expandability to meet the future requirements of end customer.
4. SI will assure that the network which they set up for end customer is highly secure.
5. SI will supply all equipment including accessories, cables etc. for the network as required by end customer.
6. SI will assure to supply & install all the necessary licenses as required to end customer to run the network smoothly
7. SI will install all equipment, integrate and maintain the network
8. SI will supply hardware for Networking Solution and complete implementation and network configuration of end customer (as per the requirement of this project).
9. The scope of work includes installation and integration of only the components supplied under this project. The integration of end customer applications which have been developed by different vendors or in-house by end customer themselves are not under the scope of this project.
10. End customer will provide the infrastructure required and all other locations for implementing the equipment supplied in this project.
11. End customer will provide the space / room for placing the equipment, proper Air-conditioning, space for placing the equipment, furniture etc.
12. End customer will arrange Power supply and power point to connect the equipment wherever required.
13. Site readiness, furniture, etc. are to be provided by End customer and any delay in provision of the same will delay project implementation and timelines/deadlines for various stages of project implementation will be extended accordingly.
14. SI/Vendor will facilitate for obtaining permission from concerned agencies for laying of cables.
All target dates for completion of work and timelines will be applicable from the date of necessary permissions are given in writing by End customer / other concerned agencies to the implementing agency.
15. All target dates for completion of work and timelines will be applicable from the date of necessary permissions are given in writing by End customer / other concerned agencies to the implementing agency.

BOQ of Networking, CCTV for 235 LAN Points, 5 Wireless Points, 23 surveillance points

S/N.	Item Description	UoM	Qty
1	Supply, installation, testing and commissioning of 24 Port PoE+ network switch with 4 x 10G, power cables, power adapters, stack cables & kit (module) and all the required licenses & warranty as mentioned in the specifications	Nos.	3
2	Supply, installation, testing and commissioning of 24 Port data network switch with 4 x 10G, power cables, power adapters, stack cables & kit (module) and all the required licenses & warranty as mentioned in the specifications	Nos.	10
3	Supply, installation, testing and commissioning of multimode 10GBASE-SR SFP Module / transceiver with complete warranty as that of network switch	Nos.	8
4	Supply & laying of Fiber Patch Cords for SFP Modules	Nos.	10
5	Supply and installation of 12 Core Fully Loaded LIU in network rack with all the components required and as mentioned in the specification	Nos.	4
6	Supply and installation of CAT 6A 1M Patch Cord	Nos.	300
7	Supply and installation of CAT 6A 2M Patch Cord	Nos.	240
8	Supply and installation of CAT 6A 3M Patch Cord	Nos.	60
9	Supply and installation of 42U size network rack of 800x1000mm with Front Glass Door and with fully loaded accessories as per the complete BoQ	Nos.	1
10	Supply and installation of 36U sized network rack 600x800mm with Front Glass Door Rack with fully loaded accessories as per the complete BoQ	Nos.	1
11	Supply & installation of CAT 6A 24 Port Loaded Patch Panel and all other necessary accessories required as per the BoQ	Nos.	13
12	Supply & installation of Duct Type PVC Cable Manager in the network rack as mentioned in the BoQ	Nos.	26
13	Supply, laying & testing of 12 Core Multimode OFC cable as required	Mtrs.	200
14	Supply & installation of Pigtails as per the BoQ	Nos.	48
15	Supply, installation, testing and commissioning of 4MP Dome camera with IR night vision, varifocal and warranty as mentioned in the specifications or as per complete active components BoQ.	Nos.	23
16	Supply, installation & configuration of i2V camera license for NMS with warranty as per camera	Nos.	23
17	Supply, installation, testing and commissioning of Wave 2 access point, 3X3 MIMO with 2SS, internal antenna, mounting brackets, power cables and all the required licenses & warranty as mentioned in the specifications	Nos.	5
18	25 Years Performance Warranty for complete Passive network items as mentioned in the BoQ	Nos.	1

Note: Preferable brand:

For networking product: CISCO, passive products: MOLEX and security surveillance: D-Link

Note: 1. Wherever feasible cable should be laid down approximately 3 feet under the ground with proper shielding and protective covering.

SPECIFICATIONS OF 24 Port Non POE Switch

S.No	Specifications
1	19" Rack Mountable Data Switch with fixed redundant fan for cooling.
2	Should have 24 1 x Gig BaseT RJ45 ports with 4 x 10G SFP+ ports uplink from day one.
3	Should support for minimum 128 Gbps of switching capacity & minimum 95 Mpps forwarding rate
4	Should support dedicated stacking port separate from uplink ports with 80 Gbps of stacking bandwidth.
	Should support switching capacity with stacking of atleast 208 Gbps & similarly should support forwarding rate with Stacking of 155 Mpps.
5	Should support following layer 3 features like OSPF, EIGRP, ISIS, RIP, routed access, QoS, ACLs, RIPv1, RIPv2, RIPv3, IS-ISv4, Load balancing & stack redundancy
6	Should support IEEE 802.3ad Link Aggregation Control Protocol (LACP) and PAgP.
7	Should be PnP enabled
8	Should support 16000 MAC Address, 8000 ARP entries, 1500 IPv6 routes, 1500 ACL, 1000 Multicast routes and 4096 VLAN ID's.
9	Switch should have hardware support to connect a Bluetooth dongle to your switch for configuration and troubleshooting using WebUI or the CLI
10	It shall have MTBF (hours) of more or equal to 5,25,000 hours
11	It shall have IEEE 802.1s Multiple Spanning Tree Protocol and Per-VLAN Rapid Spanning Tree technology.
12	Should have functionality by which switch automatically attempts to reactivate a link that is disabled because of a network error.
13	It should have automatic device provisioning system for upgrading of software images and installing configuration files on switches
14	Should have 6MB packet buffer with 16,000 Flexible NetFlow (FNF) entries.
15	Switch should be loaded with all the required licenses to run the switch smoothly, atleast for the next three years.
16	Should support netflow / sflow or equivalent to support SDN technology. Switch should support NETCONF, RESTCONF, YANG, PnP Agent, PnP for automation.
17	Switch should have feature to protect access ports using port security, 802.1x authentication and storm control
18	Should support telnet, Enterprise Class CLI, web GUI interface and SNMP v1/v2c/v3, IEEE 802.1p CoS prioritization
19	Should have 2GB DRAM and 4GB Flash memory.
20	Switch Should have an operating temperature of -5 ° to 45°C.
21	Should comply with the following certifications FCC Part 15 (CFR 47) Class A, EN 55032 Class A, UL, CE, IEC 60950-1, CISPR 35, ROHS, ICES-003 Class A
22	OEM should be the Leader in the Gartner Magic Quadrant list of the Wired & Wireless LAN access Infrastructure.
23	Should have direct OEM warranty with TAC support for 3 years along with spare part depot center available in Punjab / Chandigarh region.

SPECIFICATIONS OF 24 Port POE Switch

S.No	Specifications
1	19" Rack Mountable Switch with fixed redundant fan for cooling.
2	Should have 24 1 x Gig PoE + ports with 4 x 10G SFP+ ports uplink from day one.
3	Should support for minimum 128 Gbps of switching capacity & minimum 95 Mpps forwarding rate
4	Should support dedicated stacking port separate from uplink ports with 80 Gbps of stacking bandwidth.
	Should support switching capacity with stacking of atleast 208 Gbps & similarly should support forwarding rate with Stacking of 155 Mpps.
5	Should support following layer 3 features like OSPF, EIGRP, ISIS, RIP, routed access, QoS, ACLs, RIPv1, RIPv2, RIPv3, IS-ISv4, Load balancing & stack redundancy
6	Should support IEEE 802.3ad Link Aggregation Control Protocol (LACP) and PAgP.
7	Should be PnP enabled
8	Should support 16000 MAC Address, 8000 ARP entries, 1500 IPv6 routes, 1500 ACL, 1000 Multicast routes and 4096 VLAN ID's.
9	Switch should have hardware support to connect a Bluetooth dongle to your switch for configuration and troubleshooting using WebUI or the CLI
10	It shall have MTBF (hours) of more or equal to 3,90,310 hours
11	It shall have IEEE 802.1s Multiple Spanning Tree Protocol and Per-VLAN Rapid Spanning Tree technology.
12	Should have functionality by which switch automatically attempts to reactivate a link that is disabled because of a network error.
13	It should have automatic device provisioning system for upgrading of software images and installing configuration files on switches
14	Should have 6MB packet buffer with 16,000 Flexible NetFlow (FNF) entries.
15	Switch should be loaded with all the required licenses to run the switch smoothly, atleast for the next three years.
16	Should support netflow / sflow or equivalent to support SDN technology. Switch should support NETCONF, RESTCONF, YANG, PnP Agent, PnP for automation.
17	Switch should have feature to protect access ports using port security, 802.1x authentication and storm control
18	Should support telnet, Enterprise Class CLI, web GUI interface and SNMP v1/v2c/v3, IEEE 802.1p CoS prioritization
19	Should have 2GB DRAM and 4GB Flash memory.
20	Switch Should have an operating temperature of -5 ° to 45°C.
21	Should comply with the following certifications FCC Part 15 (CFR 47) Class A, EN 55032 Class A, UL, CE, IEC 60950-1, CISPR 35, ROHS, ICES-003 Class A
22	OEM should be the Leader in the Gartner Magic Quadrant list of the Wired & Wireless LAN access Infrastructure.
23	Should have direct OEM warranty with TAC support for 3 years along with spare part depot center available in Punjab / Chandigarh region.

SPECIFICATIONS OF 36U and 42U Rack

S.No	Product	Requirements
1	36u Rack 600x800	36U Enclosure Frame-600X800-STEEL, Caster Wheels Set of 4 (2 with Brakes & 2 without Brakes)
2		Adjustable Levellers set of 4
3		Glass Door-600-22U, Metal Door-600-22U-Vented, Side Panels-800-22U-Vented
4		Mounting Hardware-(Pack of 20), FHU with 4 FAN 360CFM
5		Vertical Power Distribution Unit with 12 x 5/15 sockets Round Pin, 230 Volts AC, 32 Amp with Plug
6		Vertical Cable Manager-22U-Loop, Horz. Cable Manager-1U-Loop
7		Conforms to DIN 41494 OR equivalent ISO Standards
8		Adjustable 19" equipment mounting verticals provide the better mounting flexibility maximizing the usable mounting space
9		Depth adjustable mounting slots
10		Top and bottom Panel with ventilation and cable entry facility
11		Provision to mount the cooling fans on the top panel
12		Powder coated finish with pretreatment process meeting all industry standards
13		Grounding and Bonding Options can be provided
14		100% assured compatibility with all equipment conforming to DIN 41494. General industrial standard for equipment
15		Conforms to DIN 41494 or equivalent standard
16		Welded Frame, Lockable Toughened Glass Door, Metal Vented Door Steel,
17		DIN Standard 10mm Sq. Slots / Direct M6 Tap, 19" Mounting angles made of formed steel Powder Coated
18		Welded to Frame, Vented and Field Cable entry exit cut outs
19		Static Load 400 KG
20	OEM Qualification	Manufacturer should have ISO 9001:2008 Certification for Quality Management System.
		Manufacturer should have ISO 14001:2004 Certification for Environmental Management System.

S.No	Product	Requirements
1	42U Rack 800x1000	42U Enclosure Frame-800X1000-STEEL, Caster Wheels Set of 4 (2 with Brakes & 2 without Brakes)
2		Adjustable Levellers set of 4
3		Front Door Toughened Glass , Rear Metal Vented Double Door, Side Panels-1000-42U-Vented
4		Mounting Hardware-(Pack of 20), FHU with 4 FAN 360CFM
5		Vertical Power Distribution Unit with 12 x 5/15 sockets Round Pin, 230 Volts AC, 32 Amp with Plug
6		Vertical Cable Manager-42U-Loop, Horz. Cable Manager-1U-Loop
7		Conforms to DIN 41494 OR equivalent ISO Standards

8		Adjustable 19" equipment mounting verticals provide the better mounting flexibility maximizing the usable mounting space
9		Depth adjustable mounting slots
10		Top and bottom Panel with ventilation and cable entry facility
11		Provision to mount the cooling fans on the top panel
12		Powder coated finish with pretreatment process meeting all industry standards
13		Grounding and Bonding Options can be provided
14		100% assured compatibility with all equipment conforming to DIN 41494. General industrial standard for equipment
15		Conforms to DIN 41494 or equivalent standard
16		Welded Frame, Lockable Toughened Glass Door, Metal Vented Door Steel,
17		DIN Standard 10mm Sq. Slots / Direct M6 Tap, 19" Mounting angles made of formed steel Powder Coated
18		Welded to Frame, Vented and Field Cable entry exit cut outs
19		Static Load 500 KG
20	OEM Qualification	Manufacturer should have ISO 9001:2008 Certification for Quality Management System.
		Manufacturer should have ISO 14001:2004 Certification for Environmental Management System.

SPECIFICATION OF ACCESS POINT

S.No	Specifications
1	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2.
2	An access point must include a standard OEM provided Mounting brackets for mounting on Ceiling or Roof top.
3	Access Point shall support Console port that uses Standard Port (RJ-45) type connection
4	Should have one RJ-45 auto-sensing 10/100/1000 Mbps LAN port.
5	Access Point should have USB port for future requirement.
6	Must have atleast 3 dBi Antenna gain on each radios
7	Must support 3x3 MIMO with 2 spatial streams for both 802.11ac and 802.11n client
8	AP should have atleast 1 GB DRAM with 256 MB flash memory
9	Must Support minimum data rate of 867 Mbps on 5ghz with 80 mhz channel.
10	Must support minimum of 22dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.
11	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.
12	Must incorporate radio resource management for power, channel and performance optimization
13	Must have -96 dB or better Receiver Sensitivity.
14	Must be from the same OEM as that of the network switches
15	Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).
16	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.
17	Maximum Power transmission 22 dBm at 2.4 GHz & 23 dBm at 5GHz
18	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.
19	Must support Power over Ethernet, local power(DC Power), and power injectors.
20	Should be compatible with the existing wireless Controller
21	Must support WMM
22	Must support 802.11ac beamforming
23	Must support QoS and Video Call Admission Control capabilities.
24	Access Point should 802.11 DFS certified
25	OEM should be the Leader in the Gartner Magic Quadrant list of the Wired & Wireless LAN access Infrastructure.
26	Should comply the following standards UL 60950-1, FCC, IEC 60950-1, EN 60950-1, IEEE 802.11a/b/g, 802.11n, 802.11h, 802.11d, IEEE 802.11ac, 802.1X, 802.11i, WPA3, WPA2, WPA, AES,
27	Should have direct OEM warranty with TAC support for 3 years along with spare part depot center available in Punjab / Chandigarh region.

SPECIFICATION OF CAMERA

S.No	Specifications	
1	Product Details	Make, Model No / Product code
2	Type	The camera shall be of 1 /3" 4 MP Dome type
3	Lens	The camera shall incorporate a built-in fixed lens with focal length of 3.6mm
		The camera should support Shutter Speed: 1/5-1/20000
		The camera shall support digital zoom upto 10x
		The camera shall have viewing angle of 90 deg horizontal
4	Streams Support	The camera shall support minimum 3 Streams
5	Compression	The camera shall support H.265, H.264 compression technology
6	IR	The camera shall support Smart IR with minimum illumination of 15 meter with automatic IR cut filter
		The camera shall support 0 Lux Black and White mode with IR LED on & 0.05Lux in Colour mode
7	Image Features	The camera shall support WDR -100dB, HLC, BLC, 2D and 3D DNR, ROI, Corridor Mode (9:16)
		The camera shall support 4 privacy masking zones
		Bit Rate should be configurable for optimizing bandwidth performance
		The camera shall support upto 30 fps configurable.
		The camera should support 8 ROI
8	Network protocols	Shall support IPv4,IPv6, NTP client, DDNS client, HTTP/HTTPS, SMTP,PPPoE, RTP/RTSP/RTCP,
		The camera should be ONVIF compliant ver 2.4 or better
9	Event Management	The camera should support Motion detection
		The camera should support event notification and uploading of snapshots via e-mail
		The camera should support alerts to SMTP client
10	Security	HTTP authentication, HTTPS encryption for web access
		Recording should have Time stamp and text overlays which are customizable
11	Device Ports	1 x 10/100BASE-T autosensing RJ-45 PoE Ethernet Port
		The camera should have Audio support with min. 1 Audio in & 1 Audio out ports
		The camera should have Built-in Microphone
		The camera should have 1 Ch Alarm IN/OUT port
		The camera should have Micro SD/ SDHC/ SDXC Slot, max 128GB supported
12	Environment	Operating temperature -10°C ~ 50°C
		Humidity - Operating: -30°C ~ 60°C
		Power consumption <3W @without IR , <5W @ IR ON
13	Camera	IP66 compliant weatherproof housing

	Housing	
14	Certifications	The camera shall comply CE, FCC & UL/BIS certifications
15	VMS for Camera	The camera shall be Qutoed with VMS for recording and Monitoring with Mobile client (i2v VMS Already Installed)
16	OEM Qualification	Manufacturer should have ISO 9001:2008 Certification for Quality Management System.
		Manufacturer should have ISO 14001:2004 Certification for Environmental Management System.

SPECIFICATION OF FIBER PATCH CHORD

Type of connectors	SC-LC/LC-LC SM OM3 50/125 Micron with LSOH Jacket - Reduces toxic / corrosive
Length	Minimum 3 meters
Polishing	100% Factory polished and tested
Insertion Loss	Less than 0.35dB per connector
Attenuation	0.4dB/km over 1310nm to 1625nm
Standards	ROHS Compliant
Jacket colour	Industry Standard Colour Yellow
Cable Sheath	LSZH
Cable Diameter	1.6 mm
Ferrule	Ceramic
Buffer	Tight buffered
Temperature Range	.-40 Degree C to +85 Degree C
Buffer Diameter:	900µm
Primary Coating :	245µm
Strength Member:	Aramid Yarn
Jacket Material:	LSOH IEC 61034-1 & 2, IEC-60332-1, IEC-60754- 1 & 2

SPECIFICATION OF LIU

LIU 12F Loaded With LC MM OM3 Connectivity accessories		
		LIU Type: 1U Standard 19" Rack Mount 24 Port Fiber Enclosure with 4 cable entry options.
		Material: Powdercoated Cold Rolled Steel CRS
	Material	Fibre Termination Options: Direct Termination, Fusion Splice, Mechanical Splice
		Management rings within the system to accommodate excess fibre cordage behind the through adapters and maintain fibre bend radius.
	Dimensions & Accommodation	Rack Mount 482mm W x 254mm D x 43mm H
		Accommodates up to 12 x Duplex/Quard Adapters
		12 x SC/LC duplex/Quard MM OM3 Support Adapters
		Housing: Polymer
		Alignment sleeve: Zirconia Ceramic or Phosphor Bronze
		Durability: 200 cycles min.
		Operating Temperature: -40 to +85°C
		RoHS Compliant
		1 x 24 Port Universal Splice Tray
	Universal Splice Tray	Material: ABS polymer
		Dimensions: 168mm W x 124mm D x 13mm H
		24 x SC/LC MM 50/125µm (OM3), Pigtail 1.5 Mtrs length.
		Minimum bend radius: install: 30 mm
		Operating Temperature: -20°C to 75°C
		Retention Strength: 100N
		Cable Sheath: LS0H*
	SC/LC MM OM3 type Pigtail	

Optical Fibre Adapter Plates		
1	Features and Benefits	Optical Fibre Adapter Plates are modular platform that is compatible with a various Enclosures and Fibre Splicing Systems. Adapter density ranges from 6 fibres to 24 fibre per plate, allowing for 1U 96 fibre density. Available in a variety of connectors and performance levels, the Plates require no tools for installation
		From 6 Fibre to 24 Fibre Density – Allows you to reuse your existing enclosure and increase your fibre count to meet demand
		Greater Asset Utilisation – Easily Expandible – allows multiple generational uses of the enclosure for the same rack area. Our blank plates and a small profile plate ensures you only pay for the adapters you need.
		Snap Rivets – allows for easy installation and removal
		100% Factory Tested – Guaranteed performance
2	Commercial Standards	ISO/IC 11801, ANSI/TIA/EIA 568.B.3-2000, ANSI/TIA/EIA-492, TELECORDIA GR-409, ICEA-596
3	Mechanical	Dimensions: 86 x 33mm

	Characteristics	
		Plate Material: Black Electroplate or Thermoplastic

12 Port Rack Mount Fiber Panel

1	Rack Mount	LIU Should have Sliding Drawer with lock and key features Type with 4 Cable entry/exit points (covered with rubber grommets)
2	Material	Powder coated mild steel
3	Accommodation and Supports	Accommodation of single mode cable multimode fibers Capable of supporting SC and LC interface - For 24 Port with SC Coupler Configurable. Fits up to four 6 pack plates/Angled 6 pack plates Management rings within system to accommodate excess fibre bend radius.
4	Compatiabiliy	Labelling for port identification, Fiber Management rings to accomodte excess fiber cordage behind the trough adapters and maintain fiber bend radius
5	No. of fiber ports	The 1U 24 Port LIU must be expandable up 96 ports.

SPECIFICATION OF MULTIMODE Outdoor Fiber Cable, OM3

Sr no	Specifications	Requirement
1	Cable Type	12 Core Multimode 50/125µm OM3 Type, Armoured, Unitube, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, type OM3; AS/ACIF S008; AS/NZS 3080, TIA/EIA 568.C.3
2	Armour	Corrugated Steel Tape Armour -Thickness > 0.125mm
3	Peripheral Strength Member	Two Steel wires (0.9 mm dia)
4	Ripcord	Polyester based yarns below armoured tape for easy ripping
5	Loose tube material	Single PBTP Loose tube (3.0/2.0 mm nominal OD/ID).
6	Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)
7	Outer Sheath	UV Stabilised Polyethylene (HDPE), 1.8MM nominal thickness. Color - Black
F	Attenuation	At 850 nm: 3.0 dB/km, At 1300 nm: 1.0 dB/km
9	Min. Bandwidth	At 850 nm: 3500MHz, At 1300 nm: 500MHz
10	Max. Tensile Strength-Short Term	1500N
11	Max. Crush Resistance-Short Term	2000N/10 cm
12	Cable Diameter	9.0 ±0.5mm
13	Max. Bending Radius (during installation)	20 X Overall diameter
14	Max. Bending Radius (during full load)	10 X Overall diameter
15	Cable weight Kg/Km	95 kg/km
16	Operating Temperature	-40 Degree C to +70 Degree C

TENDERERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. TENDERERS MAY PLEASE NOTE THAT IF THE ANSWERS ARE NOT CLEAR AND/OR ARE EVASIVE; THEIR BID MAY BE IGNORED BY THE PURCHASER.

No.	Questions	Answers to be filled by the bidders
1	Whether the stores offered fully confirm to the Technical Specifications. If not mention details of deviation	
2.	Brand/ Make/ Model of stores/consumable items offered	
3.	Name & Address of the Manufacturer	
4.	Whether you are OEM/ Agent/ Supplier of the offered stores. If other than OEM, attach Authorization Certificate.	
5.	Name & Full Address of your Banker	
6 .	Whether GST extra, if yes indicate rate	
7.	Any other duty, if applicable a/w rate	
8.	Delivery Period in months from date of receipt of supply order	
9.	Name, Mobile Number and email of the person submitting the bid	

(Signatures)

Full Name & Address & Phone No.

BIDDER'S QUALIFYING PARAMETERS

Sl No.	Eligibility Parameter	Metrics (Qualifying)
1.	Presence (duration) of the Bidder in the field of Networking/security surveillance / IT	3 Years
2	Experience of the Bidder in the field of supply of networking /security surveillance/IT product in last three years.	3 Nos
3	Experience of the Bidder in the field of networking/security surveillance/IT projects in terms of Business Volume (in value) in last three years. Three Similar work Completed works costing not less than the amount 24 Lacs or Two similar completed works costing not less than the amount 30 Lacs or One similar completed work costing not less than the amount 50 Lacs	
4	Presence of Bidder in Punjab/Chandigarh.	Required
5	Average Annual Turnover of the Bidder during last three financial years	Rs 20 Lacs
6	Average Annual Profitability of the Bidder during last 3 Yrs. (CA Certificate to be provided/Balance Sheet for last three years)	To be furnished
7	Solvency certificate of Bidder / company (Maximum Six-month-old) from the Nationalized bank / Schedule Bank	To be furnished
8	Availability of Skilled Man-power to handle (specific area) with the Bidder	Minimum 10 personnel
9	Bidder should have Quality Certification (minimum ISO 9000)	To be furnished
10	No Black-listing of the Bidder undertaking from the bidder	Required
12	Presence of the Major OEMs Support Centre in Delhi / Punjab/Chandigarh for Service support .	To be furnished
13	The OEM of active Components must be leader in the Gartner Leader Report	To be furnished
14	The OEM of Passive Network Components should be present in the India last 20 Year. (Document proof Required- Proof of Incorporation	To be furnished
15	25-year Performance warranty; Warranty to cover Bandwidth of the specified and installed cabling system	To be furnished
16	Should have Technical / Telephonic support center in India	Required
17	OEM must have ISO 9001:2008, ISO 9001:14001.	To be furnished
18	MAF from OEM is mandatory	To be furnished

*Note.1- In case if any of the above Qualifying Criterion is not met, the Bid /EoI will be declared unresponsive and the same will not be evaluated further.

*Note.2- Supporting documents should be furnished for the above statements of qualifying criteria.

Annexure-III**Format for Project Experience**

Using the format below, provide information on each reference assignment along with a client certificate or suitable supporting documentation.

Name of Project	
Location where services were delivered	
Name of the Client:	
Name and address of Client Contact Officer	
Duration (dates) of assignment:	
Status of assignment: Completed / Ongoing (if it is on-going, level of completion). Certificated to be attached as proof.	
Approx. Value of engagement	
Brief description of engagement and services provided by your company	

SPECIAL CONDITIONS

SI No	Conditions / clauses	Compliances by the Bidder
1	For tenders involving ITI manufacturing products, ITI will provide the required quotes etc.	
2	ITI reserves the right to undertake the supplies up to 50% of the order quantity.	
3	ITI reserves the right to undertake services likes installation and commissioning activates, Annual Maintenance Contract (AMC) etc. up to 50%	
4	ITI reserves the rights to split the balance orders (after taking out the ITI portion) in 70%: 30% ratio between H1 and H2 (Highest margin bidders) for speeding up the work, provided H2 bidder matches H1 margins offered, and wherever technically feasible	
5	Margin to ITI would be payable on supply, I&C and AMC services undertaken by the selected agency for the project.	

6	All activities like Proof of concept on “No cost No Commitment” (NCNC) basis wherever applicable will be the responsibility of agencies.	
7	Agencies should be willing to impart required training to ITI engineers for undertaking services & execution of project.	
8	Agencies will be responsible for any short coming in the BOM and the same should be rectified free of cost.	
9	Agencies should be willing to provide ToT for manufacture of offered products in ITI.	
10	Agencies should be willing to sign an exclusive agreement with ITI for smooth execution of the project.	
11	All commercial terms will be as per the RFP/PO	
12	Earnest Money Deposit (EMD) / Bid security required for submitting the bid will be borne by the selected agency.	
13	Performance Bank Guarantee (PBG) will be shared among all the work executing agencies depending upon the ration of order value	
14	All CVC circulars/ Statutory guidelines as applicable needs to be followed	

Annexure-IV
TECHNICAL BID EVALUATION MATRIX

The technical evaluation for knowing the Technical Rating (TR) of the bids will be done strictly on the basis of Technical Score (TS) which would be computed as per the matrix shown below:

Sl No	Parameters	Weightage in terms of Scoring
1.	Presence (duration in years) of the Bidder in the field of System Integration / IT/ICT/ Software-Development/ Telecom Business.	3 to 4 Years of Presence
		4 to 6 Years of Presence
		More than 6 Years of Presence
2.	Experience of the Bidder in the Relevant Field in Govt. Department / PSUs / Autonomous Bodies in terms of Business Volume	Eligibility Criterion (Minimum experience) to 1.25 times of the Eligibility Criterion
		1.25 times of the Minimum Experience to Twice the Eligibility Criterion
		More than Twice the Eligibility Criterion
3.	Experience of the Bidder in the Relevant Field in Govt. Department / PSUs / Autonomous Bodies in terms of Number of Similar Projects	Eligibility Criterion (Minimum experience) to 1.25 times of the Eligibility Criterion
		1.25 times of the Minimum Experience to Twice the Eligibility Criterion
		More than Twice the Eligibility Criterion
4.	ITI's past Experience with the Bidder (or any Consortium member) in Projects.	No Experience
		Satisfactory Past Experience
		Good Past Experience
5.	Organization and Ownership Status of the Bidder	Privately Owned /Partnership Firm
		Private Limited Company
		Public Ltd Company / Autonomous Body/PSU
6.	Bidder's Presence at the desired Locations	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion
		More than 1.25 times of the Eligibility Criterion
7.	Bidder's Average Annual Turnover during last three financial years	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion
		1.25 times of the Minimum to Twice the Eligibility Criterion
		More than Twice the Eligibility
8.	Bidder's Profitability during last 3 Years	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion
		1.25 times of the Minimum to Twice the Eligibility Criterion
		More than Twice the Eligibility Criterion
9.	Bidder's Mapping of Financial	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion

	Resources for the subject EoI,	1.25 times of the Minimum to Twice the Eligibility Criterion	80	
		More than Twice the Eligibility Criterion	100	
10.	Bidder's Bank Credit Limit or Solvency for ascertaining Investment Capacity and fiscal risk taking capability.	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion	60	100
		1.25 times of the Minimum to Twice the Eligibility Criterion	80	
		More than Twice the Eligibility Criterion	100	
11.	Availability of Skilled Man-Power with the Bidder to Handle the Project	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion	30	50
		1.25 times of the Minimum to Twice the Eligibility Criterion	40	
		More than Twice the Eligibility Criterion	50	
12.	Quality Certification of the Bidder	Minimum Eligibility Criterion	30	50
		More than the Minimum Eligibility Criterion	50	
13.	Percentage of Indigenous ██████████ Equipments / Contents (for Major Equipments)	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion	30	50
		1.25 times of the Minimum to Twice the Eligibility Criterion	40	
		More than Twice the Eligibility Criterion	50	
14.	Understanding of Requirement, Technical Solution, Project Implementation Plan, IPR Availability and OEM's Backing for Warranty / Post-Warranty Support.	Meeting the Minimum Eligibility Criterion	60	100
		Fairly Good (Good Value Addition to ITI)	80	
		Very Good (demonstrates a strong winning edge for ITI)	100	
Technical Score (Positive) of an Individual Bidder TS-1				
15.**	Negative Marking towards the Past Experience of ITI with the bidder in recent 5 years	Unsatisfactory (due to the Performance of the Bidder or a Consortium Member which might have caused Embarrassments to ITI by way of Inordinate Delays in the project execution and Imposition of Severe Penalties on ITI)	150	
		Poor (due to deliberate neglect of ITI's Projects or Pricing Misappropriation /Tax Evasion at the part of the Bidder or a Consortium Member in past which might have caused major Embarrassment to ITI on Legal/Fiscal front or Heavy Loss to Government exchequer.	200	
		Deceitful action of the Bidder(s) against ITI during some Bidding Process (happened in past) which has resulted Breach of Trust between the Bidder(s) and ITI for further business alliances	300	
Technical Score (Negative) of an Individual Bidder TS-2				
Resultant Technical Score TS of an Individual Bidder (TS1 minus TS2)				
MAXIMUM SCORE OF TECHNICAL BID=				1000
Notes * <i>The vendor may be required to give Technical Presentation if asked by ITI.</i>				

PRE CONTRACT

INTEGRITYPACT EOI/TENDER ENQUIRY No.: Dated

THIS Integrity Pact is made on.....day of 20.

Between:

ITI Limited having its Registered & Corporate Office at ITI Bhavan, Dooravaninagar, Bangalore – 560 016 and established under the Ministry of Communications, Government of India (hereinafter called the Principal), which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman & Managing Director, Directors, Officers or any of them specified by the Chairman & Managing Director in this behalf and shall also include its successors and assigns) ON THE ONEPART

And:

.....
represented by
..... Chief Executive Officer (hereinafter called the Contractor(s), which term shall unless excluded by or is repugnant to the context be deemed to include its heirs, representatives, successors and assigns of the bidder/contract ON THE SECOND PART.

Preamble

WHEREAS the Principal intends to award, under laid down organizational procedures, contract for

..... of ITI Limited (name of the Stores/equipments/items). The Principal, values full compliance with all relevant laws of the land, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s)/Contractor(s).

In order to achieve these goals, the Principal has appointed an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles as mentioned herein this agreement.

WHEREAS, to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact the terms and conditions of which shall also be read as integral part and parcel of the Tender Documents and contract between the parties.

NOW THEREFORE, IN CONSIDERATION OF MUTUAL COVENANTS STIPULATED IN THIS PACT THE PARTIES HEREBY AGREE AS FOLLOWS AND THIS PACT WITNESSETH AS UNDER:

SECTION 1 – COMMITMENTS OF THE PRINCIPAL

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

- a. No employee of the Principal, personally or through family members, will in connection with the tender for or the execution of the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

- b. The Principal will, during the tender process treat all bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all bidder(s) the same information and will not provide to any bidder(s) confidential/additional information through which the bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - c. The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC Act or if there be a substantial suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action as per its internal laid down Rules/ Regulations.

SECTION 2 – COMMITMENTS OF THE BIDDER/CONTRACTOR

- 2.1 The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption.
- He commits himself to observe the following principles during the participation in the tender process and during the execution of the contract.
- a. The bidder(s)/contractor(s) will not, directly or through any other person or firm offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b. The bidder(s)/contractor(s) will not enter with other bidders/contractors into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c. The bidder(s)/contractor(s) will not commit any offence under IPC/PC Act, further the bidder(s)/contractor(s) will not use improperly, for purposes of competition of personal gain, or pass onto others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any.
 - e. The Bidder(s)/Contractor(s) will, when presenting the bid, disclose any and all payments made, are committed to or intend to make to agents, brokers or any other intermediaries in connection with the award of the contract.

- f. The Bidder(s)/ Contractor(s) will not bring any outside influence and Govt. bodies directly or indirectly on the bidding process in furtherance to his bid.
- g. The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

SECTION 3 – DISQUALIFICATION FROM TENDER PROCESS & EXCLUSION FROM FUTURE CONTRACTS

- 3.1 If the Bidder(s)/Contractor(s), during tender process or before the award of the contract or during execution has committed a transgression in violation of Section 2, above or in any other form such as to put his reliability or credibility in question the Principal is entitled to disqualify Bidder(s)/ Contractor(s) from the tender process.
- 3.2 If the Bidder(s)/Contractor(s), has committed a transgression through a violation of Section 2 of the above, such as to put his reliability or credibility into question, the Principal shall be entitled exclude including blacklisting for future tender/contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case, particularly taking into account the number of transgression, the position of the transgressor within the company hierarchy of the Bidder(s)/ Contractor(s) and the amount of the damage. The exclusion will be imposed for a period of minimum one year.
- 3.3 The Bidder(s)/ Contractor(s) with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken. The undertaking is given freely and after obtaining independent legal advice.
- 3.4 A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that on the basis of facts available there are no material doubts.
- 3.5 The decision of the Principal to the effect that breach of the provisions of this Integrity Pact has been committed by the Bidder(s)/ Contractor(s) shall be final and binding on the Bidder(s)/ Contractor(s), however the Bidder(s)/ Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.
- 3.6 On occurrence of any sanctions/ disqualifications etc. arising out from violation of integrity pact Bidder(s)/ Contractor(s) shall not entitled for any compensation on this account.
- 3.7 Subject to full satisfaction of the Principal, the exclusion of the Bidder(s)/ Contractor(s) could be revoked by the Principal if the Bidder(s)/ Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption preventative system in his organization.

SECTION 4 – PREVIOUS TRANSGRESSION

- 4.1 The Bidder(s)/ Contractor(s) declares that no previous transgression occurred in the last 3 years immediately before signing of this Integrity Pact with any other company in any country conforming to the anti-corruption/ transparency International (TI) approach or with any other Public Sector Enterprises/ Undertaking in India of any Government Department in India that could justify his exclusion from the tender process.
- 4.2 If the Bidder(s)/ Contractor(s) makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Section-3 of the above for transgressions of Section-2 of the above and shall be liable for compensation for damages as per Section- 5 of this Pact.

SECTION 5 – COMPENSATION FOR DAMAGE

- 5.1 If the Principal has disqualified the Bidder(s)/ Contractor(s) from the tender process prior to the award according to Section 3 the Principal is entitled to forfeit the Earnest Money Deposit/Bid Security/ or demand and recover the damages equitant to Earnest Money Deposit/Bid Security apart from any other legal that may have accrued to the Principal.
- 5.2 In addition to 5.1 above the Principal shall be entitled to take recourse to the relevant provision of the contract related to termination of Contract due to Contractor default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor or demand and recover liquidate and all damages as per the provision of the contract agreement against termination.

SECTION 6 – EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS

- 6.1 The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.
- 6.2 The Bidder(s)/ Contractor(s) undertakes to get this Pact signed by its subcontractor(s)/ sub- vendor(s)/ associate(s), if any, and to submit the same to the Principal along with the tender document/contract before signing the contract. The Bidder(s)/ Contractor(s) shall be responsible for any violation(s) of the provisions laid down in the Integrity Pact Agreement by any of its sub- contractors/sub vendors/ associates.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this Integrity Pact or violate its provisions.

SECTION 7 – CRIMINAL CHARGES AGAINST VIOLATING BIDDER(S)/ CONTRACTOR(S)

7.1 If the Principal receives any information of conduct of a Bidder(s)/ Contractor(s) or sub- contractor/ sub-vendor/ associates of the Bidder(s)/ Contractor(s) which constitutes corruption or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer of the Principal for appropriate action.

SECTION 8 – INDEPENDENT EXTERNAL MONITOR(S)

- 8.1 The Principal appoints competent and credible Independent External Monitor(s)

for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this pact.

8.2 The Monitor is not subject to any instructions by the representatives of the parties and performs his functions neutrally and independently. He will report to the Chairman and Managing Director of the Principal.

8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all product documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/Contractor(s) will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The Monitor is under contractual obligation to treat the information and documents Bidder(s)/Contractor(s) with confidentiality.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meeting could have an impact on the contractual relations between the Principal and the Bidder(s)/ Contractor(s). As soon as the Monitor notices, or believes to

notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can

in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in specific manner, refrain from action or tolerate action.

8.5 The Monitor will submit a written report to the Chairman & Managing Director of the Principal within a reasonable time from the date of reference or intimation to him by the principal and, should the occasion arise, submit proposals for correcting problematic situations.

8.6 If the Monitor has reported to the Chairman & Managing Director of the Principal a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman & Managing Director of the Principal has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

8.7 The word 'Monitor' would include both singular and plural.

8.8 Details of the Independent External Monitor appointed by the Principal at present is furnished below:

Shri Venugopal K.
Nair, IPS (Retd.) P-1,
Waterford Apartment
Pt. Kuruppan Road,
Thevara Kochi –
682 013, KERALA

Any changes to the same as required / desired by statutory authorities is applicable.

SECTION 9 – FACILITATION OF INVESTIGATION

9.1 In case of any allegation of violation of any provisions of this Pact or payment of commission, the Principal or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder(s)/ Contractor(s) and the Bidder(s)/ Contractor(s) shall provide necessary information and documents in English and shall extend all help to the Principal for the purpose of verification of the documents.

SECTION 10 – LAW AND JURISDICTION

- 10.1 The Pact is subject to the Law as applicable in Indian Territory. The place of performance and jurisdiction shall the seat of the Principal.
- 10.2 The actions stipulated in this Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

SECTION 11 – PACT DURATION

- 11.1 This Pact begins when both the parties have legally signed it. It expires after 12 months on completion of the warranty/ guarantee period of the project / work awarded, to the fullest satisfaction of the Principal.
- 11.2 If the Bidder(s)/Contractor(s) is unsuccessful, the Pact will automatically become invalid after three months on evidence of failure on the part of the Bidder(s)/Contractor(s).
- 11.3 If any claim is lodged/made during the validity of the Pact, the same shall be binding and continue to be valid despite the lapse of the Pact unless it is discharged/ determined by the Chairman and Managing Director of the Principal.

SECTION 12 – OTHER PROVISIONS

- 12.1 This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate Office of the Principal at Bengaluru.
- 12.2 Changes and supplements as well as termination notices need to be made in writing by both the parties. Side agreements have not been made.
- 12.3 If the Bidder(s)/ Contractor(s) or a partnership, the pact must be signed by all consortium members and partners.
- 12.4 Should one or several provisions of this pact turn out to be invalid, the remainder of this pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

12.3 Any disputes/ difference arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with this Pact or interpretation thereof shall not be subject to any Arbitration.

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

In witness whereof the parties have signed and executed this Pact at the place and date first done mentioned in the presence of the witnesses:

For PRINCIPAL

For BIDDER(S)/CONTRACTOR(S)

(Name Designation)

(Name & Designation)

Witness

Witness

1.

1.____

2.

2.____

IMPORTANT

Annexure-V(a) & (b) which are Commercial / Price- Schedule are not attached with this EoI Notification. For the purpose of submitting the EoI, the Bidders will have to Purchase the 'EoI Document' against the prescribed cost of the Document .