



**DHARMASHASHTRA NATIONAL LAW UNIVERSITY  
JABALPUR MADHYA PRADESH – 482001**

Ref No. ....../DNLU/2019

Dated: .....

**NOTICE INVITING TENDER**

**FOR SUPPLY AND INSTALLATION OF Wi-Fi / LAN  
NETWORKING/ UMS SERVER / CCTV CAMERA/ IP-PBX AT  
DNLU JABALPUR**



**LAST DATE & TIME OF SUBMISSION :**

**03/07/2019 up-to 02:00 PM**

**DATE & TIME OF OPENING :**

**03/07/2019 AT 03:00 PM**



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**CHAPTER-1**

**NOTICE INVITING TENDER**

Sealed Tenders are invited from reputed Firms/Agencies/Manufacturer/ Authorized Dealer FOR SUPPLY AND INSTALLATION OF WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX AT DNLU, JABALPUR along with Earnest Money Deposit (EMD) of Rs. 2, 00,000/- (Rupees Two Lacs Only) in the form of Demand Draft (D.D.)/Pay Order (P.O.)/Unconditional Bank Guarantee (B.G.) in favour of “The Registrar, DNLU Jabalpur, Payable at Jabalpur. No Interest shall be paid on EMD at the time of return. Bidders registered as NSIC/SSI/MSME are exempted. Necessary Certificate in support must be submitted where applicable.

Sl. No.	Estimate Project Cost	Earnest Money Deposit (EMD) (In Rs.)	Cost of Tender Document (In Rs.)	Last Date/Time of Submission	Date and Time of Opening of Bid	Time for Completion of the Work
01	1,00,00,000/-	2,00,000/-	5,000/-	03 <sup>rd</sup> July 2019 up to 02:00 pm	03 <sup>rd</sup> July 2019 at 03:00 pm	60 Days

1. Tender document is available online for interested and eligible bidders on the website: [www.mpdnlu.ac.in](http://www.mpdnlu.ac.in)

2. Bidders can submit the Physical copy of their Bid along with the cost of Tender Document and original EMD at the address below latest by 03<sup>rd</sup> July, 2019 at 02:00 P.M.

3. All further notifications/amendments, if any shall be posted on [www.mpdnlu.ac.in](http://www.mpdnlu.ac.in) Only. No separate communication shall be made with individual Bidders.

All other terms and conditions for submission of tender are contained in this document. If the date of submitting/opening of the Bid is declared as holiday then the bids shall be submitted / opened on next working day. The Vice Chancellor, Dharmashastra National Law University, Jabalpur (M.P.) reserves the right to accept or reject any or all bids without assigning any reasons thereof.

**Address for communication:**

Registrar,  
Dharmashastra National Law University, BRBRAITT, Ridge Road, Jabalpur (M.P.),  
Email: [reg@mpdnlu.ac.in](mailto:reg@mpdnlu.ac.in),  
Landline: 0761-2602222



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**Credential Criteria:**

- The Bidder should have provided similar nature of services to IIT's/NIT's/Govt. Departments/Semi Govt. Departments/PSU/Educational Institutions of National Importance etc. during last 3(three) years. **Duly certified copies are to be enclosed.**
  - Tender/Quotations shall be submitted in **TWO PARTS** i.e. (a) **Technical Bid** and (b) **Price Bid**, in two separate properly sealed covers; and both these covers will have to be again put in a single sealed cover, indicating also **TECHNICAL BID/PRICE BID** as may be applicable. The outer most cover shall be super scribed as **“TENDER FOR SUPPLY AND INSTALLATION OF WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX AT DNLU JABALPUR”, REF NO....., DATED..... DATE OF OPENING.....** [The bid shall be summarily be rejected & returned to the bidder if the sealed envelope containing the quotation is not super scribed as above.]
  - **Genuine Pricing** (Both foreign & indigenous): Vendor shall ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold, particularly to IIT/Institutes and other Government Organization.
  - **No Part Delivery:** Part delivery for any items shall not be allowed.
  - **Any Optional item quoted by the supplier will not be entertained.**
- Termination for Default:** If the supplier fails to deliver any or all of the items/services within the time period(s) specified in the purchase order or any extension thereof granted by **DNLU Jabalpur**, the Institute may terminate the contract/purchase order in whole or in part and forfeit the EMD/PBG as applicable.



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**CHAPTER-2**

**INSTRUCTIONS TO BIDDERS**

**DEFINITIONS: -**

- a) **“The Purchaser”** means the Registrar, Dharmashastra National Law University, Jabalpur (M.P.).
- b) **“The Bidder”** means an individual firm or Joint Venture or Consortium which participates in the tender and submits its proposal.
- c) **“Successful Bidder”** means the Bidder, who, after the complete evaluation process, gets the Letter of Award. The Successful Bidder shall be called as “Contractor” in the documents.
- d) **“The Letter of Award”** means the issue of a signed letter by the Purchaser of its intention to award the work mentioning the total Contract Value. The contract shall commence from the date of issuance of Letter of Award.
- e) **“The Contract”** means the agreement entered into between the Employer and the Contractor, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- f) **“The Contractor”** means the individual or firm or Joint Venture or Consortium supplying the Goods and Services under this Contract.
- g) **“The Contract Price”** means the price payable to the Successful Bidder by the Purchaser under the Letter of Award for the full and proper performance of its contractual obligations and Site Acceptance Test (SAT). Contract Price shall mean as **“Contract Value”** appearing anywhere in the document.
- h) **“Site Acceptance Test (SAT)”** is a process to be conducted by the Purchaser, of testing the contracted services provided by the Bidder at the **Dharmashastra National**



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**Law University, Jabalpur (M.P.).** SAT comprises of Product Acceptance Tests with respect to Technical Specifications and Bill of Materials as specified in this tender, checking the installation and integration of sub-components and giving Training at the site.

i) **“Services”** means **supply, made functional and installation of Wi-Fi / Lan Networking/ UMS Server/ CCTV Camera/ Ip-Pbx at DNLU, Jabalpur** and related accessories at Dharmashastra National Law University, Jabalpur.

j) **“NIT”** is the Notice Inviting Tender. It is essentially the Press Notification of the Tender.

k) **“OEM”** - means Original Equipment Manufacturer.

**BID DOCUMENT: -**

The process and procedures of bidding, the materials to be supplied and the various terms and conditions of this tender are provided in the Bid Document.

The Bid Documents include: -

- i. Notice Inviting Tender
- ii. Instructions to Bidders
- iii. General Conditions of Contract
- iv. Special Conditions of Contract
- v. Scope of work
- vi. Technical Specifications
- vii. Request for Proposals
- viii. Formats for Submission & Bill of Material
- ix. Certificates

The Bidder should carefully read all the instructions, terms and conditions, specifications and various forms that are provided in the Bid Document. The tender may be rejected if any or all of the information asked for in this document are not



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furnished along with the tender or if the tender is not responsive with the Bid Document.

**AMENDMENT OF BID DOCUMENTS: -**

At any time, prior to the date of submission of Bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bid documents by amendments.

**COST OF BIDDING: -**

The Bidder shall bear all the costs associated with the preparation and submission of the bid. Purchaser will, in no case, be responsible or liable for any of the costs, related to preparation and submission of bid regardless of the conduct or outcome of the bidding process.

**APPLICATION FEE (AF) AND EARNEST MONEY DEPOSIT (EMD): -**

The proposal should be submitted along with an application fee of Rs. 5,000/- (Rupees Five Thousand only) in the form of demand draft (D.D.) and Earnest Money Deposit (EMD) of Rs. 2, 00,000/- (Rupees Two Lacs Only) in the form of a Demand Draft (D.D.)/Pay Order (P.O.)/Unconditional Bank Guarantee (B.G.) drawn in favour of “Registrar, Dharmashastra National Law University, Jabalpur” payable at Jabalpur. Bid submitted without EMD and/or the application fee shall be summarily rejected. EMD of unsuccessful bidders shall be returned after the completion of tender process and finalisation of the bid. EMD of successful bidder will be returned, after bidder has signed the Agreement with purchaser and has furnished the required Performance Guarantee.

**The EMD will be forfeited: -**

- (i) If a Bidder withdraws its bid during the period of bid validity; or



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- (ii) If the Bidder fails to accept the Purchaser's corrections of arithmetic errors in the Bidder's bid (if any); or
- (iii) If the Successful Bidder fails to sign the contract agreement with the purchaser; or

If the Successful Bidder fails to furnish the Performance Guarantee within the stipulated time.

**BID PRICES: -**

The Bidder shall give the pricing as individual and as total composite price inclusive of all levies & taxes i.e. GST, packing, forwarding, freight and insurance etc.

**DISCOUNTS: -**

The Bidders are informed that discount, if any, should be included in the total price.

**BID VALIDITY: -**

The bids shall remain valid for a period of **150 days** from the last date of submission.

**ONLY ONE BID PER PARTY: -**

Each bidder is permitted to submit ONLY ONE BID irrespective of whether he is the sole bidder, or the Leader or Member of a duly formed JV or Consortium. In case it is found that any party has submitted more than one bid for the subject work(s) in any of the above capacities, all bids so submitted shall be summarily rejected and the PURCHASER shall not entertain any further request/ correspondence in this matter.

**SUBMISSION OF PROPOSALS: -**

All proposals will have to be submitted ONLY in HARD BOUND (Hard bound implies such binding between two covers through stitching or otherwise whereby it may not be possible to replace any paper without disturbing the document) form with all pages sequentially numbered either at the top or at the bottom right corner





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**of each page. It should also have an index giving page wise information of above documents. Incomplete proposal or those received without hard bound shall summarily be rejected. All the Pages and Papers are to be sealed and signed.**

The Bidders are required to fill up and submit the documents with their proposals.

The proposals shall be submitted in three parts, viz.

- (a) **Envelope-1:** Containing application fee of Rs. 5,000/- (Rs. Five Thousand only) & EMD of Rs. 2, 00,000/- (Rs. Two Lacs only). The envelope should be super scribed as **“Envelope 1 – EMD & Application FEE” at the top left corner.**
- (b) **Envelope-2:** Pre-qualification Proposal and Technical Proposal super scribed as **“Envelope 2 – Pre-qualification and Technical Proposal”** (Containing duly signed PREQUALIFICATION PROPOSAL SUBMISSION FORM as prescribed in **the tender**, Other required Pre-qualification documents, clause-by-clause compliance to the technical specifications of the equipments as prescribed in **Technical Specification and Bill Material in (Form No.-4)**, all technical literature, brochures, any other related material etc.). In the technical proposal, there should not be any indication about the prices (printed or otherwise) of any of the products offered.
- (c) **Envelope-3:** Commercial Proposal containing only the **Formats for Submission of Proposal –Price Schedule** super scribed as **“Envelope 3 – Financial Proposal”**.

All the sealed envelopes should again be placed in a sealed cover super scribed as **“SUPPLY, INSTALLATION, AND MAINTENANCE OF WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX AT DNLU, JABALPUR from: M/s .....” “NOT TO BE OPENED BEFORE 03:00 P.M on 03’rd July, 2019”**, which will be received and time mentioned in the Schedule of



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Events (Instructions of Bidders) of this document. The Bid is to be submitted to the **Registrar, Dharmashastra National Law University, and Jabalpur (M.P.)**. The Bids and all correspondence and documents relating to the bids, shall be written in the English language.

**GENERAL INSTRUCTIONS TO THE BIDDER: -**

1. The cost of preparing proposal, cost involved in technical presentation and during visits to DNLU, Jabalpur is not reimbursable.
2. All cutting, overwriting in the proposal should be authenticated by the initials of the authorized signatory. In case of any calculation error, the unit rates shall prevail. The amount will also have to be written in words.
3. Successful bidder must ensure his establishment in India and in Madhya Pradesh and location mentioned above for post installation services and support.
4. Canvassing in any form will lead to disqualification of the bid.

**CONFIDENTIALITY: -**

1. The Bidder shall keep confidential any information related to this tender with the same degree of care as it would treat its own confidential information. The Bidders shall note that the confidential information will be used only for the purposes of this tender and shall not be disclosed to any third party for any reason whatsoever.
2. As used herein, the term “**Confidential Information**” means any written information, including without intimation, information created by or for the other party, which relates to internal controls, computer or data processing programs, algorithms, electronic data processing applications, routines, subroutines, techniques or systems, or information concerning the business or financial affairs and methods of operation or proposed methods of operation, accounts, transactions, proposed transactions or security procedures of either party or any of its affiliates, or any client of either party,



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except such information which is in the public domain at the time of its disclosure or there after enters the public domain other than as a result of a breach of duty on the part of the party receiving such information. It is the express intent of the parties that all the business process and methods used by the Bidder in rendering the services hereunder are the Confidential Information of the Bidder.

3. At all times during the performance of the Services, the Bidder shall abide by all applicable DNLU security rules, policies, standards, guidelines and procedures. The Bidder should note that before any of its employees or assignees is given access to the Confidential Information, each such employee and assignees shall agree to be bound by the terms of this tender and such rules, policies, standards, guidelines and procedures by its employees or agents.

4. The Bidder shall not disclose to any other party and keep confidential the terms and conditions of this tender, any amendment hereof, and any Attachment or Annexure hereof.

5. The obligations of confidentiality under this section shall survive rejection/termination/expiry of the contract for a period of **Three years**.

**LATE BIDS: -**

Any bid received by the Purchaser after prescribed time may be rejected and returned unopened to the Bidder.

**MODIFICATION AND WITHDRAWAL OF BIDS: -**

1. The Bidder is allowed to modify or withdraw its submitted bid any time prior to the last date prescribed for receipt of bids, by giving a written notice to the Purchaser.

2. Subsequent to the last date for receipt of bids, no modification/ withdrawal of bids shall be allowed.



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3. The Bidders cannot withdraw the bid in the interval between the last date for receipt of bids and the expiry of the bid validity period specified in the Bid. Such withdrawal may result in the forfeiture of its EMD from the Bidder.

**LOCAL CONDITIONS: -**

1. Each Bidder is expected to fully get acquainted with the local conditions and factors, which would have any effect on the performance of the contract and /or the cost.
2. The Bidder is expected to know all conditions and factors, which may have any effect on the execution of the contract before issue of Letter of Award as described in the bidding documents. The Purchaser shall not entertain any request for clarification from the Bidder regarding such local conditions.

**CONTACTING THE PURCHASER: -**

Any effort by a Bidder influencing the Purchaser's bid evaluation, bid comparison or award of contract decisions shall result in the rejection of the bid.

**ELIGIBILITY/ PRE-QUALIFICATION CRITERIA: -**

The bidder should have integrated capability for undertaking jobs of **SUPPLY AND INSTALLATION OF WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX** and has successfully executed them.

**Bidders should submit profile and supporting documents along with the Technical Bid for the following: -**

Experience in **SUPPLY, INSTALLATION, MAINTENANCE OF INSTALLATION OF WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/IP-PBX AT any government/semi-govt./Government undertaking /PSU / Institution/Nationalised Banks** during previous 5 years ending last day of month previous to the month of publication of this tender, as under:



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- (a) Three similar completed work costing not less than the amount equal to 40% of the estimated cost; or
- (b) Two similar completed work costing not less than the amount equal to 50% of the estimated cost; or
- (c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.

The Bidder who fulfils the above pre-qualification /criteria shall only apply. Average Annual Financial Turnover of the bidder during the previous 03 financial years, ending on 31st March 2019, should be at least **Rs. 1 crore only**.

“Similar works” means: SUPPLY, INSTALLATION, AND MAINTENANCE OF WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX.

**OPENING OF PROPOSAL: -**

The *Tender Committee*, DNLU will open the tender.

**EVALUATION OF BIDS: -**

- The Purchaser reserves the right to modify the Evaluation Process at any time during the Tender Process, without assigning any reason, whatsoever, and without any requirement of intimating the Bidders of any such change.
- Any time during the process of evaluation, the Purchaser may seek for clarifications from any or all Bidders.
- **Phase-1: Application Fee & EMD:** First, the envelope containing Application fee and Earnest Money Deposit will be opened and if both are found in the prescribed manner, then second envelope containing Pre-qualification & Technical Proposal documents shall be opened. At any stage during the evaluation, if the EMD is found invalid, the respective Bidder's bid will be summarily rejected.



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- **Phase-2: Pre-Qualification and Technical Proposal Evaluation:** The Bidder shall have to fulfil all the Prequalification Criteria. These documents will be scrutinized along with the Technical Proposal in this phase of evaluation. Those bidders who do not fulfil the terms and conditions of Pre-qualification Criteria as specified in this tender or whose Technical Proposal is non-responsive will not be considered.
  - Technical Proposals of the Bidders would be evaluated for the clause-by-clause compliance of the technical specifications as mentioned in the Bid document. Evaluation process of Pre-qualification and Technical Proposal by the Tender Committee, DNLU, Jabalpur shall not be questioned by any of the Bidders. The Purchaser reserves the right to ask for a technical elaboration/clarification in the form of a technical presentation from the Bidder on the already submitted Technical Proposal at any point of time before opening of the Commercial Proposal. The proposals shall be opened in presence of their representatives who choose to attend the process.
  - The Tender Committee, at first stage, satisfied on EMD and Application Fee, shall workout on Pre-qualification and Technical Proposal at the second stage. There after on being satisfied with the aforesaid two stages, shall open the commercial proposal (i.e. Third Envelope).

**The Commercial Proposal Evaluation will be based on the “Total Cost”, which would be the total pay-outs including all taxes, duties and levies for the supply, installation, system integration of WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX and maintenance cost. The bid shall be treated as a complete package.**



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**AWARD OF CONTRACT: -**

1. The Purchaser reserves the right to ask for a technical elaboration/ clarification in the form of a technical presentation from the Bidder on the already submitted Technical Proposal at any point of time after opening the proposal. The Bidder has to present the required information to the Tender Committee, DNLU, Jabalpur, on mentioned date, at no cost to the Purchaser.
2. Arithmetical errors will be rectified on the following basis: If there is any discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the Bidder does not accept the correction of the errors, his bid will be rejected. If there is any discrepancy between words and figures, the amount mentioned in words will prevail.
3. The Purchaser shall notify the Successful Bidder, its intention to award the work through “Letter of Award” mentioning the total purchase Value. The contract shall commence from the date of issuance of Letter of Award.
4. The Purchaser shall subsequently send the Successful Bidder the Form of Contract Agreement, incorporating all agreements between the parties.
5. As soon as practically possible, following the receipt of the Form of Agreement, the successful Bidder shall sign and date the Form of Agreement and return it to the Purchaser. This will be deemed as the “Contract” defined in this tender document.



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**CHAPTER-3**

**GENERAL CONDITIONS OF THE CONTRACT (GCC)**

**SPECIFICATIONS: -**

The Products/equipment/software supplied under this contract shall confirm to the Technical Specifications given in this tender under Technical Specifications and Bill of Material.

**PERFORMANCE GUARANTEE: -**

The Successful Bidder shall be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India equivalent to **10% of the Contract Value** valid for a period of **03 years** within **15 days** from the date of contract.

In case of failure to deposit the above amount of performance guarantee within stipulated time, the EMD deposited shall be forfeited by the purchaser.

Amount received in form of unconditional bank guarantee, will be deposited as fixed deposit for period of Three years and there after will be returned with prevailing Bank interest.

**BANK GUARANTEE: -**

The Bank Guarantee issued by following banks would be accepted. SBI or its subsidiaries, any Indian Nationalized Bank/Scheduled Bank, Export Import Bank of India, a foreign bank (issued by a branch outside India) with counter guarantee from SBI or its subsidiaries or any Indian Nationalized Bank, and any scheduled commercial bank approved by RBI having a net worth of not less than Rs. 500Crores as per the latest annual report of the bank.

The Performance Guarantee shall be as per the format approved by the Tender Committee, DNLU, Jabalpur.





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The Performance Guarantee shall be payable to the Purchaser as a compensation for any loss resulting from the Successful Bidder's/ Contractor's failure to complete its obligations under the contract. The Purchaser will discharge the Performance Guarantee after completion of the successful Bidder's/ Contractor's obligations, including any warranty under the contract.

**DELIVERY OF MATERIALS AND RELATED DOCUMENTATION: -**

Delivery, Installation, Implementation of the materials/items/software along with the related documents as per Bill of Materials Section and Technical Specification Section are the responsibility of the Bidder.

The Successful Bidder shall ensure that all Products/equipments are supplied within the implementation schedule mentioned in the tender document under **Special Conditions of Contract**.

The Successful Bidder shall submit all the Software Kits (CDs), License Papers, Warranty Papers and any other relevant documentation related to the supplied products to the Purchaser along with the supplied products/equipments/software.

**WARRANTY: -**

1. The Successful Bidder is required to provide on-site comprehensive warranty valid for the period of **03 years** for all supplied products/ equipments / soft wares.
2. The Successful Bidder shall warrant that all the equipment/software supplied under the contract is newly manufactured and shall have no defect arising out of design, materials or workmanship or from any act or omission of the Bidder that may develop under normal use of the supplied equipments in the conditions prevailing across the country.
3. The Successful Bidder shall warrant that the services provided under the contract shall be as per the Warranty Service Level Requirements given under



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**Scope of Work.** During the warranty, the Bidder shall perform all the functions as enunciated in Scope of Work at no extra cost to the Purchaser. All the penalty clauses shall be applicable during the period of warranty in case of failure on part of Bidder. The terms and conditions for Warranty are given in **Scope of Work**.

4. The Successful Bidder shall quote for comprehensive on-site warranty for Three years, which shall become effective after the Final Acceptance Sign-off. The cost, including visits of the Engineers, etc., shall be quoted as part of the individual equipment prices. No separate charges shall be paid for visit of engineers or attending to faults and repairs or supply of spare parts.
5. The Registrar, DNLU, Jabalpur or his authorised representative shall notify the Bidder about any claims arising under this warranty. Upon receipt of such notice, the Bidder shall repair/replace/reconfigure/re-provision the defective equipment or service. Replacement under warranty clause shall be made by the Successful Bidder free of all charges at site including freight, insurance and other incidental charges.
6. The Bidder shall at the time of submitting the bid submit the Technical Proposal specifying how the Bidder proposes to carry out repair under Warranty. The Bidder shall also indicate what spares will be kept for immediate replacement. The infrastructure planned to be created by the Bidder to fulfil his obligations under Warranty and his action plan to deal with the various situations arising out of hardware and software faults shall be clearly indicated.
7. If the Bidder, having been notified, fails to remedy the defect(s) within the period specified in the Service Level Agreement, the Registrar, Dharmashastra National Law University, Jabalpur or his authorised representative may proceed to take



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such remedial action as may be necessary at the Bidder's risk and expense and without prejudice to any other rights, which the Registrar, Dharmashastra National Law University, Jabalpur may have against the Bidder under the contract.

**PAYMENT TERMS: -**

- 1. For WI-FI / LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX, testing, training and warranty maintenance of software along with hardware items as per tender for 36 months onsite warranty: -**

Payments will be made in **Indian Rupees only on**

- (a) **75 %** of total price against successful delivery and inspection of the materials for **WI-FI /LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX at DNLU, Jabalpur; &**
- (b) **25%** of total price against successful complete functional Installation of the **WI-FI /LAN NETWORKING/ UMS SERVER/ CCTV CAMERA/ IP-PBX.**

**PRICES: -**

The rates and prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment.

**PURCHASER'S RIGHTS: -**

- 1. The Purchaser reserves the right to make changes within the scope of the work at any point of time.**
- 2. The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at anytime prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds of purchaser' sanction.**



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**TIME SCHEDULE TO COMPLETE THE CONTRACT: -**

1. **The successful bidder shall complete the assignment within 60 days from the date of issue of Letter of Award.**
2. The Successful Bidder shall ensure that the delivery of Products/ equipment / software and/or the delivery of the services are in accordance with the time schedules specified in this tender. In case of any deviation from the schedule, the Purchaser reserves the right to either cancel the Contract and/or recover Liquidated Damages.
3. The Successful Bidder, if faced with problems in timely delivery of services, which have dependencies on the Service Provider and/or the Purchaser, which are beyond their control at any time before the Final Acceptance Signoff, shall immediately inform the Purchaser in writing, about the causes of the delay and tentative duration of such delay etc. The Purchaser, on receipt of such notice, shall analyse the facts at the earliest and may at its sole discretion, extend the contract period as deemed reasonable.
4. Any delay by the Successful Bidder in the delivery of Products/ equipment / software and/or the services will make the Successful Bidder liable to any or all of the following:
  - i. Forfeiture of Performance Bank Guarantee
  - ii. Imposition of Liquidated Damage charges
  - iii. Termination of the contract for default.
  - iv Blacklisting of the Successful Bidder.

**LIQUIDATED DAMAGES: -**

If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar, DNLU, Jabalpur or his authorised



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representative shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 10% of the contract price. Once the maximum deduction is reached, the Vice Chancellor, DNLU, Jabalpur may consider for termination of the contract.

**FORCE MAJEURE: -**

1. Neither party shall be responsible to the other for any delay or failure in performance of its obligations due to any occurrence commonly known as Force Majeure which is beyond the control of any of the parties, including, but without limited to, fire, flood, explosion, any governmental body, public disorder, riots, embargoes, or strikes, acts of military authority, epidemics, strikes, lockouts or other labour disputes, insurrections, civil commotion, war, enemy actions.
2. If a Force Majeure arises, the Bidder shall promptly notify Registrar, DNLU, Jabalpur in writing of such condition and the cause thereof. Unless otherwise directed by Registrar, DNLU, Jabalpur, the Contractor shall continue to perform his obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. The Bidder shall be excused from performance of his obligations in whole or part as long as such causes, circumstances or events shall continue to prevent or delay such performance.

**TERMINATION: -**

1. **Termination on expiry of the CONTRACT:** The Agreement shall be deemed to have been automatically terminated on the expiry of the Contract period unless the Vice Chancellor, DNLU, Jabalpur has exercised its option to extend the Contract in accordance with the provisions, if any, of the Contract.



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2. **Termination on account of insolvency:** In the event the Successful Bidder at any time during the term of the Contract becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt, then the Registrar, DNLU, Jabalpur shall, by a notice in writing have the right to terminate the Contract and all the Successful Bidder's rights and privileges hereunder, shall stand terminated forthwith.
3. **Termination for breach of contract:** A breach by the Successful Bidder of its obligations hereunder and such breach not being rectified by the Successful Bidder within 30 days of receipt of the Purchaser's notice intimating such breach. Upon termination, the Successful Bidder shall surrender all the data and materials belonging to the Purchaser.
4. **Termination for delay:** Successful Bidder shall be required to perform all activities/services as per the terms and conditions mentioned in the tender document. If the Successful Bidder fails to do so, the Contract may be terminated by Registrar, DNLU, Jabalpur by giving written notice unless Registrar, DNLU, Jabalpur has extended the period with levy of Liquidated Damages shall have no financial liability as per tender.
5. **Consequences of termination:** Notwithstanding the termination of the Agreement, the parties shall continue to be bound by the provisions of the Agreement that reasonably require some action after such Termination.
6. In case of termination of Contract herein set forth, the Contractor shall be put on holiday [i.e. neither any enquiry will be issued to the party by the Registrar, DNLU, Jabalpur against any type of tender nor their offer will be considered by Registrar, DNLU, Jabalpur against any ongoing tender(s) where contract between



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Registrar, DNLU, Jabalpur and that particular Contractor (as a bidder) has not been finalized]for two years from the date of termination, to such contractor.

**ARBITRATION: -**

In case of any dispute following arbitration clause will apply: - Any question, dispute or difference arising under the contract, shall be referred to the sole arbitrator appointed by Vice Chancellor, DNLU, Jabalpur. The award of the arbitrator shall be final and binding on both the parties to the contract. The place of arbitration shall be at Jabalpur only. The expense of arbitration will be incurred by the parties and subject to final award. The Arbitration & Reconciliation Act 1996 and the rules there under, any statutory modification thereof for the time being in force shall apply to the arbitration proceedings under this contract.

**GOVERNING LAWS AND JURISDICTION: -**

The Agreement shall be governed by the laws in force in India. Any dispute arising in relation to the Agreement shall be subject to the Jurisdiction of the Courts at Jabalpur.



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**CHAPTER-4**

**SPECIAL CONDITIONS OF THE CONTRACT (SCC)**

**DEFINITION: -**

These conditions given in this **Special Conditions of Contract**, supplement the “Instructions to the Bidders” given in **Instructions to Bidders** & conditions given in **General Conditions of Contract** and in case of any conflict, the conditions given herein shall prevail over those in **Instructions to Bidders** and **General Conditions of Contract**.

**EQUIPMENTS AND SUPPORTING ACCESSORIES /SOFTWARE: -**

All the equipment’s / systems / items/ software to be supplied shall confirm to the relevant technical specifications as mentioned in **Technical Specifications & Bill of Material** of this document.

**SITE ACCEPTANCE TESTS (SAT): -**

1. The Purchaser shall carry out all the tests detailed in the Acceptance Test Schedule to be furnished by the Contractor to confirm that the performance of the entire installation satisfies the specification requirements. The Purchaser reserves the right to include any other tests which in his opinion is necessary to ensure that the equipment meets the specifications.
2. The Purchaser reserves the right to ask for modifications/additions to the Site Acceptance Test Procedure at any point of time till the Site Acceptance signoff of each location.
3. The Site Acceptance Tests shall cover the intended functioning of the equipment’s with proper integration with other sub components, applications and software’s.





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4. The contractor shall carry out the Site Acceptance Tests in the presence and supervision of the Purchaser or its designated Officer at the site. The contractor, at its own cost, shall provide the testing of equipment/instruments/software programs necessary for performing and demonstrating the Site Acceptance Tests.
  5. The purchaser or its appointed testing authority shall supervise the tests at each site, as described in the site acceptance test procedure and performed by the contractor to confirm that the complete solution at each site satisfies the requirement of specifications including the service performance.
  6. The contractor shall rectify all deficiencies immediately, if found, in the performance of the system as per the requirement during the Site Acceptance Tests, at no monetary cost to the, DNLU, Jabalpur.
  7. Any components or modules failing during the acceptance tests shall be replaced free of cost by the Contractor. These replacements shall not be made out of spares supplied by the Contractor as part of supplies under this Contract. This shall also not entitle the contractor to any extension of completion time.
  8. The cost of all test and / or analysis shall be fully borne by the contractor.
  9. The completed installation at all stages shall be subjected to checks and tests as decided by Purchaser. The contractor shall be liable to remedy all of such defects as discovered during these checks and test and make good all deficiencies brought out. The complete installation shall be taken over finally on successful commissioning in entirety.



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**CONSIGNEE AND SECURITY OF MATERIAL: -**

Security of all material/software in the section where the work is in progress shall be the contractor's responsibility and he shall arrange to guard the same from theft/pilferage/vandalism. In the event of any loss, the contractor shall be responsible for the same. Any stores lost, prior to formally taking over by the Purchaser, shall be made good by the contractor at no cost to the Purchaser.



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**CHAPTER-5  
SCOPE OF WORK**

**Note: - Scope of Work includes installation and commissioning.**

**Supply, Installation, Configuration and Maintenance of following equipment's as per specifications with necessary accessories at Dharmashashtra National Law University, Ridge Road, Jabalpur, M.P.**

- *Wi-Fi controller*
- *24 Port POE L2 Switch*
- *Wi-Fi Access Points*
- *Installation all necessary equipment's as required for above item no. 1,2,3*
- *CCTV/IP installation/ IP-PBX*
- *Server installation for ERP University Management System*
- *Create a LAN network for open WI-FI campus in the university*

**DETAILED SPECIFICATIONS:**

- Setting up a new Wi-Fi network isolated from existing LAN of CO.
- The Wi-Fi network should be accessed through mobile, laptop and wireless enabled device by employee's and visitors through secured login.
- All the campus to be covered under new Wi-Fi zone with approx. 300 users or more.
- Wi-Fi network should ensure better availability and should be free from unauthorized access and security attacks.
- Undertake cabling necessary for system integration and overall solution as per international IT standards.



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- Providing the operational training at proper place. The cost of training shall be deemed to be included in the cost of Supply of Device.
  - Supply, Installation, testing and maintenance of appropriate rack-based server/appliances (along-with necessary software(s)) for operating & Managing the system. The cost of machines will be deemed to include any other hardware, software and/or network items required for achieving the functionality as required and no separate / extra payment will be made on this account.
  - To provide one year on-site comprehensive warranty after complete commissioning of the project and further one-year comprehensive on-site AMC support after expiry of the warranty period of one year.
  - Customization to meet standard requirements may be carried out for supplied equipment(s) / product(s) and related trainings without any extra cost.

**Note: DNLU is not bound to procure and provide the hardware/ networking/ software/ infrastructure equipment's/ other products as suggested and/or specified by the bidder. The major responsibilities as specified are indicative only and not exhaustive in any manner.**

**HARDWARE, SOFTWARE and TOOLS: -**

All Hardware, Software and Tools to be supplied under the scope of the project must be of current versions, unless otherwise required and must be IPv6 ready. Software tools must be in compliance with acceptable standards.

**INSTALLATION: -**

Installation of all equipment's/items, active and passive components and accessories.

**SUPPLY: -** Supply of all equipment's/software with all accessories, paper license software and documentation.



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**INSTALLATION PRACTICE AND METHOD OF WORK: -**

1. The work shall be executed to the highest standards using **best quality material**. The system design shall use state of the art techniques/tools. The contractor shall ensure that the entire specification is complied with the tender document. It shall be the responsibility of the contractor to demonstrate compliance of technical as well as functional specifications. Meeting individual requirements shall not be deemed as meeting the overall efficient functioning of the total system.
2. The completed installation shall be subject to checks at all stages and tests as prescribed in the bid or as deemed necessary by the Registrar, DNLU, Jabalpur. The same shall be done by the Purchaser and the contractor shall be liable to rectify such defects as brought out by the Purchaser during these checks and tests and make good all deficiencies at his own cost.

**COMPREHENSIVE WARRANTY: -**

The contractor will be required to maintain the installed equipment's / software for the period of **Three years** after the successful installation of the system.

**WARRANTY TERMS AND CONDITIONS: -**

1. The Contractor shall be solely responsible for the maintenance, repair of the whole system/software supplied and integrated. The Registrar, DNLU, Jabalpur shall not be liable to interact with any of the partners/ collaborators of the Contractor.
2. The Contractor shall have adequate Technical Support Centre to meet the criteria for fault restoration/faulty unit repair times as mentioned in the **Scope of Work**. The Contractor shall furnish the names, locations, complete postal address, Telephone numbers and FAX numbers of all Technical Support Centres at the time of signing the Contract.



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3. The Contractor shall also provide the name of alternate contact person or Technical Support Centre with address & telephone /FAX no., which may be contacted by Registrar, DNLU, Jabalpur or its authorized staff for support in case of no response/poor response from the designated Technical support centre. This, however, shall not preclude from imposing the penalties, if any, as applicable as per the terms& conditions of this tender.
4. Any change in Address, Phone number, Fax Number etc. shall have to be intimated in writing by the Contractor to the **Purchaser**.
5. The Contractor shall ensure that all the Technical support centres are manned by fully competent and responsible Engineers and are capable of attending faults / supporting their engineers at the DNLU, Jabalpur.

**WARRANTY SERVICE LEVEL REQUIREMENTS – SLA: -**

1. **Service Hours and Preventive Maintenance: -**The Service window for the supplied and installed equipment's / software would be 24x7x365.  
**For first 03 years preventive maintenance is to carried out on yearly basis and thereafter the preventive maintenance is to be carried out 06 monthly basis, as and when required by the Purchaser.**
2. **Scheduled Downtime: -**
  - (a) Scheduled downtime is defined as the period of time when the softwares are not functioning on account of Holidays.
  - (b) It will be expressed in Hours.
  - (c) The maximum scheduled downtime for software would be 4 days every calendar month.



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(d) The preventive maintenance would be carried out with a minimum advance notice of 24 hours in writing and subsequent acceptance of the same by Registrar, DNLU, Jabalpur.

**3. Mean Time to Resolve (MTTR): -**

(a) MTTR is defined as the arithmetic average of the time taken to attend to resolve the issues logged over a defined period of time.

(b) The Severity Levels for measuring MTTR are provided in the following table:

S. No.	Severity Level
1	High
2	Low

4. The various Service Level Requirements and related penalties for default are given below:

Parameter	Details	Measurement Criteria	Penalties per day of delay/ per fault/ per occasion
Mean time to resolve (MTTR)	(i) Within 24 hours from the call logging time-for all High Severity events.  (ii) Within 48 hours from the time of attending the problem for all Low severity events.	Calculation of fault duration per instance based on complaint reported/logged	(i) For High Severity events, <b>Rs. 2,000/-</b>  (ii) For Low Severity events, <b>Rs. 1,000/-</b>



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5. The Successful Bidder needs to maintain the Service Levels as follows:
    - (a) 99% of the times for the MTTR of High Severity Events
    - (b) 95% of the times for the MTTR of Low Severity Events
  6. The penalty will be applicable on per fault basis even if there is a commonality of fault at any point causing full or part failure of services. Penalty will be deducted from the performance guarantee submitted against due execution of the Contract or from the bill amount that is due for payment to the contractor.
  7. After the expiry of Warranty, it shall be optional for Vice Chancellor, DNLU, Jabalpur not to enter the contract further with the contractor. If Vice Chancellor, DNLU, Jabalpur is not satisfied with the performance of the Contractor during Warranty it reserves the right to terminate the same during its currency, after giving notice to the Contractor.
  8. The Contractor has to maintain adequate spares for maintaining the SLA (Service Level Agreement) parameters as mentioned below. Any cost involved to meet the service level requirements specified above is to be borne by the Bidder.
  9. In case the Service Level Requirements are violated continuously for period of one week, the Purchaser reserves the right to terminate the Contract by giving a written notice to the Successful Bidder.





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**CHAPTER-6**

**TECHNICAL SPECIFICATIONS**

All the products/equipment supplied should be quoted with:

- (i) **Three years** comprehensive Onsite Warranty.
- (ii) All the electrical and network connections shall be provided by the DNLU to the service provider. But the vendor should assist in the work accordingly.

**TECHNICAL SPECIFICATIONS**

**STRUCTURED CAT 6 UTP NETWORKING FOR DATA+VOICE+CCTV+WIFI WITH INSTALLATION**

<b>Annexure-A</b>					
Sr. No.	Description		Qty	Unit Price	Total
1	Supplying, installing, laying of UL certified Cat-6 -UTP cable suitable for local area networking for approximately 252 Nodes shall be of PANDUIT/SEIMON/NEXAN/DLINK Giga Speed etc. All complete and as per direction of Engineer- in-charge. The rate is inclusive of all material, labor, GST, royalties, transportation etc. all complete. The cable shall be laid through approved make 20 / 25 mm thick PVC pipe.	rmt	18,900		
2	Supply, installing of UL certified 24 Ports patch panel (Cat. -6 standard, Intelligent ready -STRAIGHT 24 Port patch Panel (Unloaded) suitable for Cat. 6 cable for LAN. PANDUIT/SEIMON/NEXAN/DLINK Giga Speed etc. All	No.	12		



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	complete and as per direction of Engineer- in-charge. The rate is inclusive of all material, labor, GST, royalties, transportation etc. all complete at site or as per the direction of Engineer-in-charge or Consultant.				
3	Supply and installation of UL certified Category 6UTP Modular Jacks suitable for unloaded STRAIGHT patch Panel of PANDUIT/SEIMON/NEXAN/DLINK Giga Speed etc. All complete and as per direction of Engineer- in-charge. The rate is inclusive of all material, labour, GST, royalties, transportation etc. all complete at site or as per the direction of Engineer-in-charge or Consultant.	No.	504		
4	Supply and installation of UL certified FACE Plate with PVC Gang Box for Cat. -6 Mud Jacks shall be of PANDUIT/ SEIMON/ NEXAN/ DLINK Make. The rate in inclusive of all material, transportation, GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	No	200		
5	Supply and installation of UL certified 1-meter patch cord (Cat-6 standard) suitable for LAN shall be of PANDUIT/SEIMON/NEXAN/DLINK Make. The rate is inclusive of all material, transportation, GST etc. for complete delivery at site or as	No	270		



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	per the direction of Engineer-in-charge or Consultant.				
6	Supply and installation of UL certified 2-meter patch cord (Cat-6 standard) suitable for LAN shall be of PANDUIT/SEIMON/NEXAN/DLINK Make. The rate is inclusive of all material, transportation, GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	No	252		
7	Supply and installation of 6U/9U DOUBLE SECTION 500 MM depth rack, make VAL RACK /MTS/ APW PRESIDENT/ DLINK or equivalent. with Power Strip and accessories Fans. The rate is inclusive of all materials, transportation GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	No	18		
8	Supply and installation of manage switch layer - 2, 24 port 10 / 100 / 1000 mbps POE+ with 2 SFP + 10G switch 2 1000/10G fixed port min 370-watt power, shall be CISCO /EXTREME/ ALLIED TELESIS / HP/JUNIPER/MATRIX/DLINK and Similar make. The rate is inclusive of all materials, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	NO	4		
9	Supply and installation of manage switch layer - 2, 24 port 10 / 100 / 1000 mbps POE switch it min 370-	No	2		



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	watt power, shall be CISCO /EXTREME/ ALLIED TELESIS / HP/JUNIPER/MATRIX/DLINK and Similar make. The rate is inclusive of all materials, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.				
10	Supply and installation of manage switch 24 port 10 / 100 / 1000 mbps POE switch with 185 Watts power shall be CISCO /EXTREME/ ALLIED TELESIS / HP/JUNIPER/ MATRIX/DLINK and Similar make. The rate is inclusive of all materials, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	No	5		
11	Supply and installation of 8 port 10 / 100 / 1000 mbps POE switch with 180 watts power shall be CISCO /EXTREME/ ALLIED TELESIS / HP/JUNIPER/MATRIX/DLINK and Similar make. The rate is inclusive of all materials, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	No	5		



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**OPTIC FIBRE CABLE FROM ADMIN BUILDING TO HOSTEL BUILDINGS NO.  
01 TO 03**

<b>Annexure-B</b>					
<b>Sr. No.</b>	<b>Description</b>		<b>Qty</b>	<b>Unit Price</b>	<b>Total</b>
1	Supplying, installation, laying of OFC 6 core Out door armored, SMF, shall be of SYSTIMAX/ PANDUIT/ SEIMON/ DLINK Giga Speed etc. All complete and as per direction of Engineer- in-charge. The rate is inclusive of all material, labour, T&P, GST, royalties, transportation etc. all complete.	Meter	1500		
2	Supply, installing of 12 port LIU with Loaded coupler of SYSTIMAX/PANDUIT/SEIMON/ DLINK make. The rate in inclusive of all material, transportation, GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	Nos	3		
3	Supply, installing of 6 port LIU with Loaded coupler of SYSTIMAX/PANDUIT/SEIMON/ DLINK make. The rate in inclusive of all material, transportation, GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	Nos	3		
4	Supply and installation of LC pigtail, 1mtr/1.5mtr, SMF of SYSTIMAX/PANDUIT/SEIMON/HP/AMP/DLINK make. The rate in inclusive of all material, transportation, GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	Nos	48		



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5	Supply and installation of LC-LC, 3mtr, SMF duplex patch cords of SYSTIMAX/PANDUIT/SEIMON/HP/AMP/DLI NK make. The rate in inclusive of all material, transportation, GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	Nos	8		
6	Supply and installation of OFC MOUDLE 10 G BASE LX of JUNIPER/ CISCO/ HP/EXTREME/ DLINK Make. The rate in inclusive of all material, transportation, GST etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant.	Nos	8		

**CAMPUS WIRELESS SYSTEM**

<b>Annexure-C</b>					
Sr. No.	Description	Qty	Unit Price	Total	
1	Providing and fixing of wireless access points of AC series make JUNIPER, EXTREME, AVAYA, ENTERASYS & DLINK and Similar as per direction of Engineer- in-charge. The rate is inclusive of all material, labour, T&P, GST, royalties, transportation etc. all complete. As per specification attached	No	120		
2	Supply and installation of wireless controller with minimum 128 Port license to manage wireless ap of AC Series shall be JUNIPER, EXTREME, AVAYA, ENTERASYS & DLINK and Similar make. The rate is inclusive of all materials, transportation, GST etc.	NO	1		



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	for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. As per specification attached				

**IP PBX WITH 50 EXTENSIONS**

<b>Annexure-D</b>					
Sr. No.	Description		Qty	Unit Price	Total
1	Providing and fixing of IP PBX with <b>HA MODE</b> and changeover should without any physical intervention and should have minimum specification as below. Preferred Make Matrix /Panasonic/ NEC /ALCATEL/ EPYGI/ GRANDSTREAM and similar. i. 2000 SIP LICENSE ii. 200 CONCURENT CALL iii. 4 PARTY VIDEO CONFERENCE BUILTIN iv. 1 PRI LINE v. 2 ANALOG TRUNK vi. All std features of PBX	NO	2		
2	IP Phone sets with PoE capable and with all slandered features like conferencing, call waiting etc. The rate is inclusive of all material, labour, T&P, taxes, royalties, transportation etc. all complete. Make: (Cisco/Panasonic/Grandstream/ Matrix/NEC/ALCATEL/ EPYGI) and similar CAT-1	NO	20		



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3	IP Phone sets with PoE capable and with all slandered features like conferencing, call waiting etc. The rate is inclusive of all material, labour, T&P, taxes, royalties, transportation etc. all complete. Make: (Cisco/Panasonic/Grandstream/ Matrix/ EPYGI/ NEC/ ALCATEL) and similar CAT-2	NO	10		

**CCTV/IP SURVILLANCE SYSTEMS: -**

<b>Annexure-E</b>					
Sr. No	Description	UOM	Qty	Unit Price	Total
1	Supplying & Installation of 5 Mega Pixel IP Bullet Camera with all accessories required including GST, transport, royalty etc. as per the direction of engineer in charge or consultant <b>Preferred Make: MILESIGHT/TVT/MOBOTIX/DLINK/CP PLUS/HIKVISION</b>	Nos	20		
2	Supplying & Installation of voice enabled 5 Mega Pixel IP Fixed Dome Camera with all accessories required including GST, transport, royalty etc. as per the direction of engineer in charge or consultant <b>Preferred Make: MILESIGHT/TVT/MOBOTIX/DLINK/ CP PLUS/HIKVISION</b>	No.	65		





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3	Supplying & Installation of 5 Mega Pixel IP Bullet PTZ Camera with all accessories required including GST, transport, royalty etc. as per the direction of engineer in charge or consultant <b>Preferred Make: MILESIGHT/TVT/MOBOTIX/DLINK/ CP PLUS/HIKVISION</b>	No.	5		
4	Supplying & Installation of 32 Channel 4K NVR Supporting above IP Cameras with all accessories required including GST, transport, royalty etc. as per the direction of engineer in charge or consultant <b>Preferred Make: MILESIGHT/TVT/MOBOTIX/DLINK/ CP PLUS/HIKVISION</b>	No	3		
5	Supply & Installation of 4 TB Surveillance Hard Disk Drive for NVR (Above) preferred Make: HITACHI/SEAGATE/WESTERN DIGITAL	No	12		
6	Supply & Installation of FULL HD 1920 X 1080 Resolution 55"Professional Display Including all taxes / delivery / royalty/mounting kit & 3 Year Warranty Make: Samsung / LG / Philips / Panasonic	No	4		
7	Supply & Installation of Mini PC with Intel Core i3 Processor / 4GB Ram/ 500 GB HDD/ Windows 10 OS/ Wireless Key Board / Wireless Mouse / HDMI Cable and Should have mounting option. Make: Intel	No	4		



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**TECHNICAL SPECIFICATIONS OF LAN NETWORKING: -**

<b>Sr. No.</b>	<b>ITEMS</b>	<b>DESCRIPTIONS</b>
1.	<b>Category 6 UTP Modular Jacks</b>	<p>UTP Jack Modules shall be Category 6. The eight position modules shall terminate unshielded twisted 4 pair, 22 – 26 AWG, 100-ohm cable and shall not require the use of a punch down tool. Jack module shall use forward motion termination to optimize performance by maintaining cable pair geometry and eliminating conductor untwist. The termination cap shall provide strain relief on the cable jacket, ensure cable twists are maintained to within 1/8” (3.18 mm) and include a wiring scheme label. The blue module base shall signify Category 6 performance and shall include a universal label representing T568A and T568B wiring schemes. The jack modules shall be universal in design, including complying with the intermate ability standard IEC 60603-7 for backward compatibility. Category 6 jack modules shall be UL and CSA approved and RoHS compliant.</p> <p>The jack modules shall be ETL verified to ANSI/TIA/EIA Category 6 and IEC/ISO 11801 Class EA channel performance. The jack modules shall be able to be re-terminated a minimum of 20 times and be available in 11 standard colors for color-coding purposes. All lots and individual jacks shall be serialized for future traceability. Tool less termination.</p>
2.	<b>Category 6 UTP Patch Cords</b>	<p>Patch Cords shall be constructed with Category 6, 23-AWG stranded cable. Patch Cords shall be factory terminated with modular plugs featuring a one-piece, tangle-free latch design and black strain-relief boots to support easy moves, adds and changes. Patch cords shall be wired to be compatible with both T568A and T568B wiring schemes. The patch cords shall come in standard lengths of one to 10 Mtrs. The patch cords are available in eight standard colors of White, Blue, Yellow, Green, Black, Red, Violet, and Orange. The patch cords shall be ETL verified ANSI/TIA/EIA Category 6A and IEC/ISO 11801 Class EA channel performance. Each patch cord shall be 100% performance tested at the factory in a channel test to the ANSI/TIA/EIA and IEC/ISO standards. All lots and individual patch cords shall be serialized for traceability.</p>



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<b>3.</b>	<b>Intelligent ready 24 Port patch Panel (Unloaded)</b>	The modular patch panel design shall accommodate copper RJ45 jack modules. The front of the panel shall include multi-colored LEDs located above each port that indicate the connectivity status, as well as multi-functional push buttons for diagnostic and configuration navigation. The panel shall offer a “common” method for labeling in compliance with TIA/EIA 606-A labeling standards. The modular patch panel shall be angular. Accommodates intelligent modules that mount in the rear and utilize no additional rack space (zero RU)	
<b>4.</b>	<b>Faceplates</b>	Faceplates shall be 3 and 4 port, single gang faceplates with painted combination head screws. The faceplates shall mount to industry standard square back boxes with screw to screw dimensions of 2.28" (60.4mm). Faceplates shall be available with sloped design for improved bend radius control and dust protection. Each faceplate shall accept Jack Modules that can be individually inserted and removed as required.	
<b>5.</b>	<b>Category 6 UTP Cable</b>	The 250 to 650Mhz tested UTP Copper Cable with shall meet or exceed both channel and component compliant standards (ANSI/EIA/TIA-568-B.2-1, IEC/ISO 11801 Class E (channel) and IEC 61156-5 (component) standards). Category 6 UTP 4-pair copper cable shall be constructed of 23 AWG conductors. The insulated conductors shall be twisted in pairs and all four pairs shall be covered by a flame-retardant PVC, FEP, or PE jacket depending on cable flame rating.	
		<b>Specification</b>	<b>Value</b>
		Flame Rating	Riser – NEC type CMR (UL) and FT4 rated
			Plenum – NEC type CMP (UL) and FT4 rated
		Installation Tension	25 lbs. (110N) maximum
		Temperature Rating	32° to 140°F (0° to 60°C) during installation
			14° to 167°F (-10° to 75°C) during operation
		<b>Mechanical Test</b>	<b>Requirement</b>
		Ultimate Breaking Strength	> 400 N (90 lb. ft.)
		Minimum Bed Radius	25.4 mm (1.0 inch)
		<b>Electrical Test</b>	<b>Requirement</b>



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		DC resistance	<90.38 Ohm per 100M (328 ft.)
		DC Resistance Unbalance	<5% at 20°C per ASTM D 4566
		Mutual Capacitance	<5.6 nF per 100M (328 ft.) at 1KHz and 20°C per ASTM D 4566
		Characteristic Impedance	<5.6 nF per 100M (328 ft.) at 1 kHz and 20°C per ASTM D 4566
		Propagation Velocity	>62.1 (at 250 MHz), CMR: 70%, CMP: 72%
6.	<b>Overhead Fiber Cable Routing Systems</b>	The overhead fiber cable routing system shall be a system of channel, fittings, and brackets designed to segregate, route, and protect fiber optic and high performance copper cabling. Channel and fittings shall be assembled using pre-assembled couplers. A selection of spill out options shall be available that easily attach using the vertical tee. Fittings maintain a minimum 2" bend radius to protect against signal loss due to excessive cable bends. Available system colors shall be yellow, orange, and black. A full complement of brackets shall be available for attaching system components to ladder rack. UL Compliant	
7.	<b>Fiber Cable</b>	6-fiber 9µm (OS1) single mode Out door armored cable. Used in intrabuilding backbone, building backbone, and horizontal installations for riser (OFNR), and general-purpose environments. Sheath markings provide positive identification, quality traceability, and length verification.	
		Maximum Loss	3.5db/KM @ 850nm & 1.5db/KM @1300nm
		Bend Radius	Installation - 96mm, Long-term - 48mm
		Tensile Load	Installation - 660N, Long-term - 200N
		Temperature	Installation/Operation: 0°C to +50°C, Storage: -40°C to +75°C
	<b>Rack Mount Fiber Tray</b>	Rack mount fiber trays shall be constructed of steel material and mount to standard 19" rack rails and be RoHS compliant.	



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8.		Can be used as a black box for Fiber patch panels. The removable top cover provides access to connections, fibers and slack storage in rear of tray. Multiple trunk cable entry locations provided on rear and sides of enclosure. Includes fiber optic cable routing kit (grommets, cable ties, spools, strain relief bracket and ID/caution labels).
9.	<b>Fiber Adapter Patch Panels</b>	Fiber adapter patch panels shall be constructed of steel material and mount to standard 19” rack rails and be RoHS compliant. Used with fiber mount tray to protect fibers and terminations.
10.	<b>Fiber Adapter panels</b>	Fiber adapter panels snap quickly into the front of fiber optic patch panels. Fiber adapter panels contain TIA/EIA-604 FOCIS compliant duplex fiber optic adapters and exceed TIA/EIA-568-B.3 requirements. Loaded with three SC Duplex Multimode Fiber Optic Adapters (Aqua) with zirconia ceramic split sleeves.
11	<b>Authorisation</b>	Tender Specific Authorisation from OEM as a reseller or Systems integrator to participate in bid

**TECHNICAL SPECIFICATIONS FOR NETWORK POE SWITCHES: -**

Sr. No.	Product	PoE+ (185W) Switch	PoE+ 370W Switch	PoE+ 180W Switch	2SFP+ 2XGT PoE+ Switch
1.	Switch Type	Fixed Port	Fixed Port	Fixed Port	Fixed Port
2.	Network OS	N/A	N/A	N/A	N/A
3.	Routing / Switching	Layer 2 Only	Layer 3 Lite	Layer 3 Lite	Layer 3 Lite
4.	Management	Smart Managed	Smart Managed	Smart Managed	Smart Managed
5.	Included Accessories				
6.	Included Accessories	N/A	N/A	N/A	N/A
	Physical Properties				
	Dimensions	17.42(w) x 9.69(d) x 1.73(h) in (44.25 x 24.61	17.42(w) x 12.7(d) x 1.73(h) in (44.25 x 32.26	10(w) x 6.28(d) x 1.73(h) in (25.4 x 15.95	17.32(w) x 14.17(d) x 1.73(h) in (44 x 36 x 4.4



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7.		x 4.39 cm) (1U height)	x 4.39 cm) (1U height)	x 4.39 cm) (1U height)	cm) (1U height)
8.	Weight	7.3 lb (3.31 kg)	9.7 lb (4.4 kg)	2.01 lb (0.91 kg)	13.23 lb (6 kg)
	Port Types				
9.	LAN Ports	12 RJ-45 autosensing 10/100/1000 PoE+ ports; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 12 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	24 RJ-45 autosensing 10/100/1000 PoE+ ports; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	8 RJ-45 autosensing 10/100/1000 PoE+ ports; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	24 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at)
10.	Dual Personality Ports	N/A	N/A	N/A	N/A
	SFP Ports	2 SFP 100/1000 Mbps ports (IEEE 802.3z Type	4 SFP 100/1000 Mbps ports (IEEE 802.3z	2 SFP 100/1000 Mbps ports (IEEE 802.3z	N/A



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11.		1000BASE-X, IEEE 802.3u Type 100BASE-FX)	Type 1000BASE-X, IEEE 802.3u Type 100BASE-FX)	Type 1000BASE-X, IEEE 802.3u Type 100BASE-FX)	
12.	SFP+ Ports	N/A	N/A	N/A	2 fixed 1000/10000 SFP+ ports
13.	SFP28 Ports	N/A	N/A	N/A	N/A
14.	XFP Ports	N/A	N/A	N/A	N/A
15.	X2 Ports	N/A	N/A	N/A	N/A
16.	CX4 Ports	N/A	N/A	N/A	N/A
17.	10GBASE-T Ports	N/A	N/A	N/A	2 RJ-45 1/10GBASE-T ports
18.	QSFP+ Ports	N/A	N/A	N/A	N/A
19.	QSFP28 Ports	N/A	N/A	N/A	N/A
20.	Module Slots	N/A	N/A	N/A	N/A
21.	Console Port	N/A	N/A	N/A	1 RJ-45 console port to access limited CLI port
<b>Power Supplies</b>					
22.	Power supply slots	N/A	N/A	N/A	N/A
23.	Power-supply requirements	N/A	N/A	N/A	N/A
<b>Memory and Processor</b>					
24.	Memory and Processor	ARM Cortex-A9 @ 400 MHz, 128 MB SDRAM; Packet buffer size: 1.5 MB, 16 MB flash	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	128 MB flash; Packet buffer size: 1.5 MB, 1 GB SDRAM
25.	Gigabit Module	N/A	N/A	N/A	N/A



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26.	10Gb Module	N/A	N/A	N/A	N/A
27.	Management Module	N/A	N/A	N/A	N/A
28.	Fabric Module	N/A	N/A	N/A	N/A
29.	I/O Module	N/A	N/A	N/A	N/A
	<b>Mounting</b>				
30.	Mounting	N/A	Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)	N/A	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)
	<b>Performance</b>				
31.	100 Mb Latency	< 7 $\mu$ s (LIFO 64-byte packets)	< 7 $\mu$ s	< 7 $\mu$ s	< 5 $\mu$ s
32.	1000 Mb Latency	< 2 $\mu$ s (LIFO 64-byte packets)	< 2 $\mu$ s	< 2.3 $\mu$ s	< 5 $\mu$ s
33.	10 Gbps Latency	N/A	N/A	N/A	< 1.5 $\mu$ s
34.	40 Gbps Latency	N/A	N/A	N/A	N/A
35.	Throughput	up to 38.6 Mbps (64-byte packets)	up to 77.3 Mbps (64-byte packets)	up to 11.9 Mbps (64-byte packets)	up to 95.2 Mbps (64-byte packets)
36.	Switching Capacity	52 Gbps	52 Gbps	16 Gbps	128 Gbps
37.	Switch Fabric Speed	[no data]	[no data]	[no data]	N/A
38.	Routing Table Size	[no data]	32 entries	32 entries	32 entries (IPv4), 32 entries (IPv6)
39.	MAC Address Table Size	8,000 entries	16000 entries	8000 entries	16384 entries
	<b>Electrical Characteristics</b>				





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40.	Description	N/A	N/A	Fanless	N/A
41.	Voltage	100-127 / 200-240 VAC	100-127 / 200-240 VAC	100-240 VAC	100-240 VAC
42.	Current	2.6/1.3 A	5.1/2.6 A	0.9 A	[no data]
43.	Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
44.	Maximum Power Consumption	240 W	435 W	235W	425 W
45.	Maximum Heat Dissipation	N/A	N/A	N/A	[no data]
46.	PoE power	<p>185 W PoE+</p> <p>PoE Power is the power supplied by the internal power supply, it is dependent on the type and quantity of power supplies and may be supplemented with the use of a External Power Supply (EPS).</p>	<p>370 W PoE+</p> <p>PoE Power is the power supplied by the internal power supply.</p>	<p>180W PoE+</p> <p>PoE Power is the power supplied by the internal power supply.</p>	<p>370 W PoE+   PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies and may be supplemented with the use of an external power supply (EPS).</p> <p>When supplemented with the use of an HP RPS1600 Redundant Power System, up to 720 W of PoE+ can be supplied. Unit max. power</p>



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					consumption with RPS is 750 W.
47.	Notes Management	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.	Maximum power rating is the worst-case theoretical maximum value provided for planning the infrastructure with fully loaded PoE, 100% traffic and all ports plugged in.	Maximum power rating is the worst-case theoretical maximum value for planning the infrastructure with fully loaded PoE, 100% traffic, and all ports plugged in.	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
48.	Management	Web browser	Web browser, SNMP Manager	Web browser, SNMP Manager	IMC - Intelligent Management Center, Web browser, limited command-line



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				interface, SNMP Manager, IEEE 802.3 Ethernet MIB
	Additional Details			

**TECHNICAL SPECIFICATIONS FOR WI-FI CONTROLLER: -**

The OEM present in Latest Gartner Magic Quadrant/ ISO certified for Wired and wireless segment and Data Center segment will have preference.			
Sr. No	Description		Compliance Yes/No
1	Major Feature	OEM Should be present in the Gartner report for wired & wireless networking Proposed Solution Controller & AP should be of the same OEM.	
2	Architecture	WLAN Controller should be Hardware appliance 1U Rack mountable. It should be supplied 96 AP licenses for the campus.	
3	Interfaces	It should have 4x1000Base-T interfaces.	
4	Scalability	Controller shall be capable of supporting 500 AP's with license upgradeability.	
5	WLAN Features	Should support e dual-band capable clients to the 5 GHz band on dual-band access points.	
		Should balance wireless clients across APs on different channels, based upon the client load on the APs.	
		Should support internal DHCP server.	
		WLAN Solution Layer 3 roaming and mobility that allows a client to roam between APs on the same network but different client subnets, while preserving its IP address and existing data sessions.	
6	Simple Central Management	Unified access, policy, configuration, and management for thousands of devices	



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		Web-based administration with HTML5-enhanced graphical user interface	
		User group policies can be applied network wide or to individual devices and enforced consistently across both wireless and wired networks	
		Powerful policy template feature enables updates to groups of APs, branch routers, and switches with a few clicks	
		Simple centralized firmware upgrades with distributed download functionality to decrease WAN utilization & download time	
		Staged configuration and auto-provisioned image updates ensure devices are updated	
7	Network Policy features	WLAN Controller shall have inbuilt capability to inspect all traffic from each user session and allow or deny any traffic that does not satisfy specified policies.	
		WLAN controller shall provide identity-based controls to enforce application-layer security and prioritization.	
		WLAN solution shall be capable of controlling bandwidth per user, per VLAN/SSID etc.	
8	RF Planning and Visualization	Network maps with integrated aerial views and automatic floor planning enable easy visualization of topology and status	
		Real-time heat-maps show RF propagation within a network	
		State-of-the-art Planning Tool with aerial maps, multi-floor auto-placement, coverage maps, and options to clone buildings and floors	
		Built-in client and rogue location detection and placement on a floor plan	
		Spectrum analysis to detect and identify sources of Wi-Fi interference	
9	WLAN Security	Should prevent students/users connecting to rogue AP and also prevent an outside user trying to connect to campus WLAN.	



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		Should prevent Ad-hoc connections (i.e. clients forming a network amongst themselves without an AP)	
		Should prevent windows bridge (i.e. client that is associated to AP is also connected to wired network and enabled bridging between two interfaces)	
10	Granular Control	Teacher View application included to monitor and redirect student wireless clients during class time	
		Application QoS and firewall with detailed user and device context-based policies	
		Configuration of cloud proxy to split Internet and corporate VPN traffic with integration to Web sense SaaS	
		Configuration of L2 and L3 IPsec VPNs	
		Automatic and flexible IP address allocation and distribution across entire remote branch network	
11	Reporting/ Monitoring	Dashboard widgets organized into pre-defined or customizable perspectives	
		Bandwidth network bandwidth control	
		Real-time monitoring of alarms and events	
12	Environmental Specifications	Operating temperature: 32 to 104°F (0 to 40°C)	
		Storage temperature: -4 to 158°F (-20 to 70°C)	
		Relative humidity: 5% - 95% (noncondensing)	
13	OEM	Tender Specific Authorization from OEM as a reseller or Systems integrator to participate in bid	



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**TECHNICAL SPECIFICATION OF WI-FI WIRELESS ACCESS**

**POINTS: -**

<b>The OEM present in Latest Gartner Magic Quadrant/ ISO certified for Wired and wireless segment and Data Center segment will have preference.</b>		
<b>Sr. No.</b>	<b>Hardware</b>	<b>Compliance Yes/No</b>
1.1	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac	
1.2	The access point should be light weight and should support installations above drop ceiling, under ceiling or on wall	
1.3	No additional hardware should be required to mount the access point	
1.4	LED should be available for activity indication	
1.6	Must have 1x IEEE 802.3 Gigabit Ethernet auto-sensing	
1.7	The access point must have integrated antenna	
2	<b>802.11 ac features</b>	
2.1	Must support 2x2 multiple-input multiple-output (MIMO) with three spatial streams	
2.2	Should have dual Radios and should support 256 QAM	
2.3	Should support 1.16 Gbps data rates on dual concurrent radio operations	
2.4	Should support 20,40 and 80 MHz Channels	
2.5	Should support Maximal Ratio Combining	
3	<b>Radio Features</b>	
3.1	Maximum conducted transmit power shall be 24.7 dBm on both 2.4 and 5 GHz with two antennas and EIRP complying to regulatory requirements	
3.2	The antenna gain should be minimum 4 dBi.	
4	<b>Networking features</b>	
4.1	The access point or the controller should be capable of running a local DHCP Server	
4.2	Access points must support a "controllerless" mode where one AP will provide full RF and network management.	



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4.3	Access points must provide automatic redundancy in case a site controller fails	
4.4	The access point should support captive portal and local data base for authentication	
4.5	Must have an dynamic or smart RF management features which allows WLAN to automatically and intelligently adapt to changes in the RF environment	
4.6	WLAN Solution should support Mesh capabilities	
5	<b>Roaming Features</b>	
5.1	Along with a controller the Access Points should support fast roaming feature	
5.2	<b>Security features</b>	
5.3	The WLAN solution should have comprehensive integrated security features that include layer 2-7 stateful packet filtering firewall including for branch and remote offices.	
5.4	The access point should provide wireless IPS sensor support on both radios.	
6	The WLAN Solution should support IP filtering and NAT	
6.1	WLAN solution must support Application Visibility Control (Deep Packet Inspection) at both Controller and AP level	
6.2	WLAN solution must support personal and enterprise WPA2 authentication for a staff WLAN concurrent with open access public WLAN	
7	Security solution must provide Rogue AP detection by comparing the MAC address forwarding tables in common enterprise class Ethernet LAN switches	
7.1	Rogue Detection: 24x7 dual-band WIPS sensing and on-board IDS	
7.2	Secure guest access (hotspot)with captive portal, IPsec and RADIUS Server	
8	<b>Management Features</b>	
8.1	WLAN solution should provide features that provides no touch AP discovery, adoption, provisioning	
8.2	WLAN solution should provide features that provides other management functions including firmware push and statistics	
8.3	Access points must support autonomous mode	



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8.4	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility	
10.1	<b>Power</b>	
11	Integrated PoE Support	
11.1	<b>QOS Support</b>	
11.2	The Access Points should support WMM, WMM-UAPSD,802.1p, Differs and TOS	
11.3	Support for Voice-over-wireless LAN (VoWLAN) quality of service (QoS) ensures toll quality, even with many simultaneous calls on a single access point.	
11.4	Access point should support 802.11 DFS	
	<b>Solution requirements</b>	
12.1	The AP should be capable of working as a virtual controller for location where the number of AP's is less than 64	
12.2	AP's configured as Virtual Controller should also perform the function of an AP.	
13.3	Access points must provide automatic redundancy in case a site controller fails	
	<b>Certification</b>	
13.1	Wi-Fi Alliance (WFA) certified 802.11 a/b/g/n/ac	
13.2	Access points must have Wi-Fi Alliance certification for WPA2 Enterprise	
	<b>Authorization</b>	
14	Tender Specific Authorization from OEM as a reseller or Systems integrator to participate in bid	





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**TECHNICAL SPECIFICATION FOR 01(ONE) UMS SERVER: -**

UMS SERVER		Annexure F	
Sr. No.	Make	HP/ DELL/ LENOVO	
1	CPU	2 x Intel® Xeon® Silver (1.80 GHz/8-core/11MB/85W) or higher	
2	Chassis	2 U RACK Mountable	
3	Chassis and power supply	Server chassis having Redundant hot swap power supply with 8 Hot swap drive bays for HDD	
4	Chipset	Intel C600 Chipset or higher	
5	Optical Drive	Internal DVD R/W drive	
6	PCI slots	2 PCI express slots, 1 dual port 8 Gbps FC HBA card	
7	Memory	32(2 x 16) GB DDR-4 upgradable to 128 GB (24 DIMM Slots)	
8	Storage	4 x 2TB SAS (10K rpm or better) with RAID Controller	
9	Networking	1 port 1Gb Ethernet adapter 4 ports per controllers (2 integrated port & 2 port through Ethernet card); 1 port 10Gb-T2 flexible, VLAN tagging, IEEE 1588 and Virtualization features for VMware etc.	



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10	Graphics	Integrated Graphic Controller	
11	Communication ports	1 x 1GigE; 1 x 10 Gigabit port, 2 USB ports	
12	Operating System	Windows Server Standard 2016 (16 Core)	
13	Support & Certification	Windows Server/ Linux	
		Three years onsite warranty (comprehensive) which includes Three	
14	Warranty	years of parts, Three years of labour, and Three years of onsite support	
		Coverage	
15	Accessories	The server should be supplied along with software utilities for system	
		configuration, OS installation and system	informa
		cables, user manual, rack mount kit. Driver software for all the	tion,
		adapters as per the configuration and required operating system	



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**TECHNICAL SPECIFICATION OF CCTV/IP SURVILIANCE: -**

Sr. No.	Specification of 32 Channel NVR			Compliance (Yes/No)
1	System	Compression	Standard H.265	
		Main Processing Chip	ARM Cortex A17	
		OS	Embedded Linux	
2	Video	Network Access Bandwidth	256Mbps	
		Input Resolution	8MP、5MP、4MP、3MP、1080P、960P、720P real time	
		Network Access	16 CH IPC input	
		Output	HDMI×1:3840×2160/1920×1080/1280×1024/1024×768 VGA×1:1920×1080/1280×1024/1024×768	
3	Audio	Input	32 CH IPC audio input	
		2-way Audio	RCA×1	
		Local Output	RCA×1	
4	Record	Resolution	8MP、5MP、4MP、3MP、1080P、960P、720P	
		Frame Rate	25fps/30fps (PAL/NTSC)	
		Bite Stream	32Kbps-12Mbps	
		Image Quality	5 Level	
5	Playback	Simultaneous Playback	Max 16 CH	
6	Network	Interface	RJ45 10/100/1000 Mbps × 1 ; RJ45×16 (PoE Port)	
		Network Protocol	TCP/IP、PPPoE、DHCP、DNS、DDNS、UPnP、NTP、SMTP、ONVIF、GB28181	
7	Storage	HDD	SATA×4	
		Max Capacity for 1singleHDD	8T	
8	Backup	USB Backup	Yes	
		eSata Backup	No	
9	Interface	Alarm In	16	



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		Alarm Output	4	
		Communication	RS485×2, connect to PTZ and keyboard	
		Remote	Optional	
		USB	USB2.0×1(front panel), USB3.0×1(rear panel)	
10	Others	Case	1.5U	
		Dimensions (mm)	440×390×70(W×D×H)	
		Power Supply	ATX	
		Consumption	≤ 30W (without HDD)	
		Work Environment	-10 ~ 50 °C, 10% ~ 90% humidity	
11	OEM Authorisation	Tender Specific Authorization from OEM as a reseller or Systems integrator to participate in bid		

<b>Specifications Bullet Cameras with Fixed Lens</b>		
<b>Sr. No.</b>	<b>Specifications</b>	<b>Compliance (Yes/No)</b>
1	Image Sensor 1/2.7"or 1/2.8" Progressive Scan CMOS	
2	Min. Illumination Color: 0.013Lux@F1.2 and B/W: 0Lux with IR on	
3	WDR (Wide Dynamic Range) 120dB Super WDR	
4	Lens <a href="#">2.8mm@F2.0</a>	
5	Mount M12	
6	Field of View H113°/D144°/V84°	
7	Shutter Time 1 / 25 s ~ 1 / 100000 s or 1/100000s~1s	
8	IR Distance min 20- 30 Meters	
9	Day & Night ICR Filter Auto Switch	
10	Maximum Image Resolution 2592x1944	
11	Primary Stream Video60Hz : 5MP( 1 ~ 20fps ) / 4MP (1~30fps) / 2K(1 ~ 30fps ) / 3MP(1 ~ 30fps ) / 720P(1 ~ 30fps) / 1080P(1 ~ 30fps ) 50Hz : 5MP( 1 ~ 20fps ) / 4MP (1~30fps) / 2K( 1 ~ 25fps ) / 3MP(1 ~25fps ) /1080P(1 ~ 25fps ) /720P(1 ~ 25fps )	
14	Video Compression H.265 / H.264 / MJPEG	
15	Video Bit Rate 128 Kbps ~ 10 Mbps	
16	Image Setting: Brightness/Contrast/Saturation/Sharpness	



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17	1*RJ45 10M/100M Ethernet Port	
18	Network Storage NAS(Support NFS, SMB/CIFS)	
19	Protocols readily equipped IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
27	System Compatibility with ONVIF	
28	Working Temperature -30°C~60°C	
29	Working Humidity 0~90%(Non-condensing)	
30	Power Supply PoE (802.3af)	
31	Power Consumption < 10 WATTS	
32	Weather Proof with IP66 / IP67-rated for Weather-resistant Performance	
33	Vandal-proof IK10-rated Metal Housing	
34	Weight > 620g (Cable Out Version)	
35	Wall Mount / Ceiling Mount option	
36	Tender Specific Authorisation from OEM as a reseller or Systems integrator to participate in bid	

<b>Specifications for Dome Cameras with Fixed Lens</b>		
<b>S.No.</b>	<b>Specifications</b>	<b>Compliance (Yes/No)</b>
1	Image Sensor 1/2.5 OR 1/2.8" Progressive Scan CMOS	
2	Min. Illumination Color: 0.13Lux@F1.2 and B/W: 0Lux with IR on	
3	WDR (Wide Dynamic Range) 120dB Super WDR	
4	Lens 2.8mm	
5	Mount M12	
6	Field of View H111°/D141°/V82°	
7	Shutter Time 1/100000s~1s	
8	IR Distance 20-30 Meters	
9	Day & Night ICR Filter Auto Switch	
10	Maximum Image Resolution 2592x1944	
11	Primary Stream Video 60Hz : 5MP(1~30fps)/ 3MP(1~30fps)/ 1080P(1~30fps)/ 720P(1~30fps) 50Hz : 5MP(1~25fps)/ 4MP (1~25fps) / 2K (1~25fps) / 3MP (1~25fps) / 1080P (1~25fps) / 720P (1~25fps) 4MP(1~30fps)/ 2K(1~30fps)/	



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12	Secondary Stream Video 60Hz : 720P(1~15fps)/D1 /CIF (1~30fps); 50HZ:720P(1~15fps)/D1(1~25fps)/CIF (1~25fps)	
14	Video Compression H.265/H.264/MJPEG	
15	Video Bit Rate 128 KB -10 MBPS	
16	Image Setting: Brightness/Contrast/Saturation/Sharpness	
17	1*RJ45 10M/100M Ethernet Port	
18	Network Storage NAS	
19	Protocols readily equipped IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL	
26	Object removal detection, regional intrusion detection, abnormal video detection, line crossing detection, people intrusion, people counting, crowd density, face detection (optional)	
27	System Compatibility with ONVIF	
28	Working Temperature -30°C~60°C	
29	Working Humidity 0~90%(Non-condensing)	
30	Power Supply PoE (802.3af)	
31	Power Consumption <6 WATTS	
32	Weather Proof with IP67-rated for Weather-resistant Performance	
33	Vandal-proof IK10-rated Metal Housing, EN50155 Support	
34	Weight < 500g	
35	Built-in Microphone	
36	Tender Specific Authorisation from OEM as a reseller or Systems integrator to participate in bid	

S.No.	Specifications for PTZ Cameras with 20X Optical Zoom	Compliance (Yes/No)
1	1 / 2.8" Progressive Scan CMOS	
2	Effective Pixel Min- 3MP	
3	White Balance :- Auto / Manual	
4	Focal Length 5.5 - 110 mm	
5	Pan Range 360°endless	
6	Pan Speed Pan Manual Speed: 0.2°~60°/s, Pan Preset Speed 100°/s	



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7	Tilt Range -45°~30°	
8	Aperture F1.6~F2.8	
9	Pan Range 360°endless	
10	Pan Speed Pan Manual Speed: 0.2°~60°/s, Pan Preset Speed 100°/s	
11	Tilt Range -45°~30°	
13	Cruise 8 cruises, 16 presets for each cruise	
14	Preset Quantity 360	
15	Preset Freezing Support	
16	8 Patrols, up to 48 presets each patrol, 4 Patterns	
17	Power Off Memory Support	
18	PTZ Position Display ON/OFF	
19	3D Positioning Support	
20	Shutter Time 1/100000s~1s	
21	IR Distance 90 Meters	
22	Digital Zoom 16X	
23	Optical Zoom 20X	
24	Day & Night ICR Filter Auto Switch	
25	Maximum Image Resolution 2048 × 1536	
26	Primary Stream Video Main stream : 2048 × 1536, 1920 × 1080, 1280 × 720 Sub stream : 704 × 576, 352 × 288 /Third stream : 480 × 240, 352 × 288, 704 × 576	
29	Video Compression H.265 / H.264 / MJPEG	
32	1*RJ45 10M/100M Ethernet Port	
33	Network Storage NAS(Support NFS, SMB/CIFS)	
40	Event trigger with Motion Detection, Network Disconnection, etc. with notification on VMS, call to Video Phone or Soft Phone or mobile with real time image view	
41	Event Action with FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, White LED, PTZ Motion, HTTP Notification, etc	
42	Built - in Event triggers with Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed.Notification on VMS, and calls on Video Phone, Soft phones, mobiles	
43	System Compatibility with ONVIF	
44	Working Temperature -20°C~60°C	
45	Working Humidity 0~90%(Non-condensing)	



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46	Power Supply PoE (802.3at)	
47	Power Consumption > 15watts max 65W	
48	IP66, IK10, TVS6000V lightning protection, surge protection	
49	Smart White light for notification / tamper detection	
50	Weight >3.5 Kg	
51	<b>Tender Specific Authorisation from OEM as a reseller or Systems integrator to participate in bid</b>	

<b>Details Specification IP-PBX</b>		<b>Compliance Y/N</b>
<b>Analog Telephone FXS Ports</b>	2 RJ11 ports (both with lifeline capability in case of power outage)	
<b>PSTN Line FXO Ports</b>	2 RJ11 ports (both with lifeline capability in case of power outage)	
<b>T1/E1/J1 Interface</b>	1 RJ45 port	
<b>Network Interfaces</b>	Dual Gigabit ports (switched or routed) with PoE+	
<b>NAT Router</b>	Yes (user configurable)	
<b>Peripheral Ports</b>	USB, SD	
<b>LED Indicators</b>	Power 1/2, PoE, USB, SD, T1/E1/J1, FXS 1/2, FXO 1/2, LAN, WAN	
<b>LCD Display</b>	128x32 dot matrix graphic LCD with DOWN and OK	
<b>Reset Switch</b>	Yes, long press for factory reset and short press for reboot	
<b>Voice-over-Packet Capabilities</b>	LEC with NLP Packetized Voice Protocol Unit, 128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711	
<b>Voice and Fax Codecs</b>	G.711 A-law/U-law, G.722, G.723.1 5.3K/6.3K, G.726, G.729A/B, iLBC, GSM, AAL2-G.726-32, ADPCM; T.38	
<b>Video Codecs</b>	H.264, H.263, H263+	
<b>Provisioning Protocol &amp; Plug-and-Play</b>	TFTP/HTTP/HTTPS, auto-discovery & auto-provisioning of Grandstream IP endpoints via ZeroConfig (DHCP Option 66 multicast SIP SUBSCRIBE mDNS), eventlist between local and remote trunk	
<b>Network Protocols</b>	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, SIP (RFC3261), STUN, SRTP, TLS, LDAP, HDLC, HDLC-ETH, PPP, Frame Relay (pending)	
<b>Media Encryption</b>	SRTP, TLS, HTTPS, SSH	





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<b>Advanced Defense</b>	Fail2ban, alert events, Whitelist, Blacklist, strong password based access control	
<b>Universal Power Supply</b>	Input: 100 ~ 240VAC, 50/60Hz; Output: DC+12V, 1.5A	
<b>Mounting</b>	Rack mount	
<b>Customizable Auto Attendant</b>	Up to 5 layers of IVR (Interactive Voice Response)	
<b>Maximum Call Capacity</b>	Up to 2000 registered SIP endpoints, up to 200 concurrent calls	
<b>Conference Bridges</b>	Up to 8 bridges, up to 64 simultaneous conference attendees	
<b>OEM-Authorisation</b>	<b>Bidder should submit tender specific authorisation saying as a authorise dealer/partner/SI to supply &amp; install.</b>	

<b>Specification- IP Phone- CAT-1</b>		<b>Compliance Y/N</b>
<b>Protocols/Standards</b>	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE, LLDPMED, LDAP, TR-069, 802.1x, TLS, SRTP	
<b>Network Interfaces</b>	Dual switched auto-sensing 10/100 Mbps Ethernet ports, integrated PoE	
<b>Graphic Display</b>	132 x 48 backlit graphical LCD display	
<b>Feature Keys</b>	2 line keys with dual-color LED and 2 SIP accounts, 3 XML programmable context sensitive soft keys, 5 (navigation, menu) keys. 13 dedicated function keys for MUTE, HEADSET, TRANSFER, CONFERENCE, SEND and REDIAL, SPEAKERPHONE, VOLUME, PHONEBOOK, MESSAGE, HOLD, PAGE/INTERCOM, RECORD, HOME	
<b>Telephony Features</b>	Hold, transfer, forward (unconditional/no-answer/busy), 3-way conferencing, call park/pickup, shared-call appearance (SCA) / bridged-line-appearance (BLA), Downloadable phone book (XML, LDAP, up to 500 items), call waiting, call history (up to 200 records), off-hook auto dial, auto answer, click-to-dial, flexible dial plan, hot desking, personalized music	



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	ringtones, server redundancy & fail-over	
<b>HD Audio</b>	HD handset and speakerphone with support for wideband audio	
<b>Base Stand</b>	2 angled positions available, wall mountable	
<b>Security</b>	User and administrator level access control, MD5 and MD5- sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control	
<b>Upgrade/Provisioning</b>	Firmware upgrade via TFTP / HTTP / HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file	
<b>Power &amp; Green Energy Efficiency</b>	Universal Power Supply Input 100-240VAC 50-60Hz; Output +5VDC, 600mA PoE: IEEE802.3af Class 2, 3.84W-6.49W	
<b>Compliance</b>	FCC: Part 15 (CFR 47) Class B CE : EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1 RCM: AS/ACIF S004; AS/NZS CISPR22/24; AS/NZS 60950; AS/NZS 60950.1	
<b>OEM-Authorisation</b>	<b>Bidder should submit tender specific authorisation saying as a authorised dealer/partner/SI to supply &amp; install.</b>	

<b>Specification- IP Phone- CAT-2</b>		<b>Compliance Y/N</b>
<b>Protocols/Standards</b>	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS(A record, SRV, NAPTR), DHCP, PPPoE, TELNET, TFTP, NTP, STUN, SIMPLE, LLDP, LDAP, TR-069, 802.1x, TLS, SRTP, IPV6	
<b>Network Interfaces</b>	Dual switched auto-sensing 10/100 Mbps Ethernet ports, integrated PoE	
<b>Graphic Display</b>	4.3 inch (480x272) TFT color LCD	
<b>Bluetooth</b>	Integrated	
<b>Feature Keys</b>	12 line keys with up to 6 SIP accounts, 5 XML programmable context sensitive softkeys, 5 navigation/menu keys, 11 dedicated function keys for : MESSAGE(with LED indicator), PHONEBOOK, TRANSFER, CONFERENCE, HOLD, HEADSET, MUTE, SEND/REDIAL, SPEAKERPHONE, VOL+, VOLVoice	



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<b>Telephony Features</b>	Hold, transfer, forward, 5-way conference, call park, call pickup, shared-call-appearance(SCA)/bridged-line-appearance(BLA), downloadable phonebook(XML,LDAP, up to 2000 items), call waiting, call log(up to 500 records), XML customization of screen, off-hook auto dial, auto answer, click-to-dial, flexible dial plan, hot desking, personalized music ringtones and music on hold, server redundancy and fail-over	
<b>HD Audio</b>	HD handset and speakerphone with support for wideband audio	
<b>Security</b>	User and administrator level access control, MD5 and MD5-session based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control	
<b>Upgrade/Provisioning</b>	Firmware upgrade via TFTP / HTTP / HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file	
<b>Power &amp; Green Energy Efficiency</b>	Universal Power Supply Input 100-240VAC 50-60Hz; Output +5VDC, 600mA PoE: ieee802.3af Class 2, 3.84W-6.49W	
<b>Compliance</b>	FCC: Part 15 (CFR 47) Class B CE : EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1 RCM: AS/ACIF S004; AS/NZS CISPR22/24; AS/NZS 60950; AS/NZS 60950.1	
<b>OEM-Authorisation</b>	<b>Bidder should submit tender specific authorisation saying as a authorise dealer/partner/SI to supply &amp; install.</b>	



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**CHAPTER-7**

**REQUEST FOR PROPOSAL**

This RFP is for procuring of **Wi-Fi/ Lan Networking/ UMS Server/ CCTV Camera/ IP-PBX** at DNLU, Jabalpur, as defined in this RFP document along with supply and installation and maintenance. The RFP provides vendors with relevant operational, performance, application and architectural requirements of the system.

**Original RFP Document**

DNLU shall retain the RFP, and all related documents having terms and conditions, exhibits in originals. Any modification of these, in the Vendor's submission shall attract immediate disqualification.

**Guidelines**

By virtue of submitting proposal, vendors acknowledge that:

- i) This RFP is a request to purchase software and professional services required to implement, train existing and new users on the **Wi-Fi/ Lan Networking/ UMS Server/ CCTV Camera/ IP-PBX**, and hosting & maintain services for the system on DNLU Servers. Firms without an implementation mechanism shall not be considered.
- ii) Proposals are required to cover all modules as enlisted in this RFP in the **Wi-Fi/ Lan Networking/ UMS Server/ CCTV Camera/ IP-PBX**, to be provided.
- iii) DNLU reserves the right to reconsider any proposal submitted at any stage of the procurement. It also reserves the right to reconsider selected proposals at any time as per additional requirement. Furthermore, the DNLU reserves the right to add, modify or delete functionality (modules and components) until the finalization & signing of the contract.



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- iv) DNLU expects to enter into agreement clearly differentiating **Wi-Fi/ Lan Networking/ UMS Server/ CCTV Camera/ IP-PBX**, implementation and training phases.
- v) Pricing must be submitted on a "not-to-exceed" basis. For services under a not-to-exceed arrangement, DNLU compensates the vendor based on major deliverables to be identified in the development of the statement of work. If there is a residual amount, it shall be retained by DNLU. If the costs exceed the ceiling, the vendor is to finish the work at no additional compensation, unless DNLU does not meet specific assumptions outlined in the proposal.

**Schedule of Events**

The following is a tentative schedule that will apply to this RFP, but may change in accordance with the organization's needs or unforeseen circumstances.

Sr. No.	Date	Item/Event Description
I.	07.06.2019	Start of Issuance of RFP
II.	03.07.2019	Last date of submission of Final RFP Proposal in two bid form by 02:00 P.M.
III.	03.07.2019	Opening of technical RFP at 03:00 pm, DNLU Jabalpur Madhya Pradesh.
IV.	19.06.2019	Date of Pre-bid meeting at 12:00 PM
V.	Will be notified	System demonstration/presentation by short listed vendors at DNLU Jabalpur Madhya Pradesh.
VI.	Shall be intimated later, after evaluation of technical bid/ Will be notified	Opening of Financial bid of RFP at DNLU Jabalpur Madhya Pradesh.
VII.	Will be notified	Identification/selection of the vendor
VIII.	Will be notified	Complete negotiations at DNLU Jabalpur Madhya Pradesh.

**Note: - Bidders should visit university's website for updates.**



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**CHAPTER-8**

**FORMATS FOR SUBMISSION & BILL OF MATERIAL**

**Detail Break up of Cost\*:**

**Name of the Bidder:**

**Registered Address:**

**A. Supply & Installation of Wi-Fi/ Lan Networking/ UMS Server/ CCTV Camera/ IP-PBX at Dharmashastra National Law University, Jabalpur.**

S No	Item Description	Unit Price (Rs.)	GST	Total Unit Price (All inclusive) with Three years on-site warranty for Items (Rs.)	QTY	Total Cost in Rs. (all inclusive)
A	B	D	E	F	G	H = (D+E+F*G)
1	STRUCTURED CAT 6 UTP NETWORKING FOR DATA+VOICE+CCTV+ WI-FI WITH INSTALLATION				See Annexure A	
2	OPTIC FIBRE CABLE FROM ADMIN BUILDING TO HOSTEL BUILDINGS NO. 1 TO 3				See Annexure B	
3	CAMPUS WIRELESS SYSTEM				See Annexure C	
4	IP PBX SYSTEM WITH 2000 EXTENSIONS				See Annexure D	



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<b>5</b>	<b>CCTV/IP SURVILLANCE SYSTEMS: -</b>				<b>See Annexure E</b>	
<b>6</b>	<b>Supply &amp; Installation of 2 U Rack Mountable Server Dual Processor, 32 GB RAM, 9.6 TB HDD (2.4TB X 4), Windows Server Std. 2016 (16 Core) with 50 CAL</b>				<b>See Annexure F</b>	

**Total Amount / BID VALUE in Rupees:**

**In Words:** \_\_\_\_\_

**Name of Bidder:** \_\_\_\_\_

**Business Address:** \_\_\_\_\_

**Tel. No. & Mobile No.:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Place:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Signature with Stamp and Date of the Bidder.



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**Note: -**

- 1. The quantities mentioned above are indicative only. The Registrar, DNLU, Jabalpur reserves the right to change the quantities and the configuration of items mentioned above without assigning any reason thereof.**
- 2. The unit rate of cables is to be mentioned properly.**
- 3. For quoting the Networking work / miscellaneous work the vendor/bidder should visit the actual site conditions of the Dharmashastra National Law University, Jabalpur during office hours on all working days in order to understand the nature / scope of work.**





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**Form No: -1**

**TECHNO-COMMERCIAL BID**

<b>Sl. No.</b>	<b>Description</b>	<b>Indicate also page number where attached</b>
1.	Name, address & telephone number of the agency/firm.	
2.	Name, designation, address & telephone number of authorized person.	
3.	Please specify as to whether Tenderer is sole Proprietor/Partnership Firm/Private or Limited Company.	
4.	Name, address & telephone number of Directors/Partners, Fax No., e-mail address.	
5.	Copy of PAN Card issued by Income Tax Department and <b>Copy of previous 3 Financial Year's Income Tax Return.</b>	
6.	Valid ISO Certificate ( <b>Please attach copy</b> )	
7.	GST Registration No. (Please attach)	
8.	Latest GST Return (Please attach).	
9.	Experience Certificates / details of 5 years in providing services in Central Government/State Government/Public Sector Undertakings/Autonomous Bodies / reputed private sector companies/ Universities.	
10.	Details of Bid Security/Earnest Money Deposit: - a) Amount: b) D.D./P.O./B.G. c) Date of issue: d) Name of issuing Bank:	



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**Form No:-2**

**BIDDERS ANNUAL TURNOVER**

**Location:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**From (Name & Address of the Statutory Auditor)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**To,**

**The Registrar,**

**Dharmashastra National Law**

**University, BRBRAITT, Ridge**

**Road, Jabalpur (M.P.)**

**Ref.:** \_\_\_\_\_

**Sir,**

**We hereby certify that the average annual turnover of M/s.**

**..... (Name of the bidder) is not Less than Rs. one crore during the last three financial years.**

Sl. No.	Firm	2016-2017	2017-2018	2018-2019
		Amount	Amount	Amount
1.				

**Yours Sincerely,**

**(Signature of Authorized Signatory)**

**Name of the Authorized Signatory:**

**Seal:**



**DHARMASHASHTRA NATIONAL LAW UNIVERSITY  
JABALPUR MADHYA PRADESH – 482001**

Ref No. ....../DNLU/2019

Dated: .....

**Form No: -3**

**SIMILAR WORK EXPERIENCE**

**Location:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**From (Name & Address of the Statutory Auditor)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To,  
The Registrar,  
Dharmashastra National Law  
University, BRBRAITT, Ridge  
Road, Jabalpur (M.P.)

**Subject: -SUPPLY AND INSTALLATION OF WI-FI/ LAN NETWORKING/  
UMS SERVER/ CCTV CAMERA/ IP-PBX.**

**Ref.:** \_\_\_\_\_

1. We hereby declare and confirm that we, \_\_\_\_\_ (Name of the Bidder), having registered office at \_\_\_\_\_ (address) have successfully executed following projects. We are providing the details below: -

(Note: add rows as required).

Sl. No.	Name of the client organization	Purchase Order (P.O) No. & Date of issue of P.O.	Project Value	Brief Scope of Work	Whether the copies of the purchase orders / contracts from the client as required, is attached?	
					Yes/No	Pg. No. on the Proposal

**Yours Sincerely,**

**(Signature of Authorized Signatory)**

**Name and Designation of the Authorized Signatory:**

**Name and address of the Bidder Company:**

**Seal:**



**DHARMASHASHTRA NATIONAL LAW UNIVERSITY  
JABALPUR MADHYA PRADESH – 482001**

Ref No. ....../DNLU/2019

Dated: .....

**Form No: -4**

Clause by Clause compliance statement on the technical specification as prescribed in the **Technical Specifications & Bill of Material** of this document.

Sl. No.	Clause no.	Complied / Not complied

**Yours Sincerely,**

**(Signature of Authorized Signatory)**

**Name and Designation of the Authorized Signatory:**

**Name and address of the Bidder Company:**

**Seal:**



**DHARMASHASHTRA NATIONAL LAW UNIVERSITY  
JABALPUR MADHYA PRADESH – 482001**

Ref No. ....../DNLU/2019

Dated: .....

**Form No: -5**

**DEVIATION STATEMENT FORMAT**

The Bidder is required to provide the details of the deviations of the tender clauses (in any section of the tender as mentioned in Index) in the following format.

Sl. No.	Section No.	Clause No	Clause Descript	Non-Compliance/ Partial Compliance	Remarks

**Yours Sincerely,**

**(Signature of Authorized Signatory)**

**Name and Designation of the Authorized Signatory:**

**Name and address of the Bidder Company:**

**Seal:**



**DHARMASHASHTRA NATIONAL LAW UNIVERSITY  
JABALPUR MADHYA PRADESH – 482001**

Ref No. ....../DNLU/2019

Dated: .....

**BID FORM (1 sheet)**

**Tender No.:**

**Date:**

**To,**

**The Registrar,  
Dharmashastra National Law University,  
BRBRAITT, Ridge Road, Jabalpur (M.P.)**

**Respected Sir,**

1. Having examined the conditions of contract and specifications in the tender document and annexure, the receipt of which is hereby duly acknowledged, we, undersigned, offer to supply and installation of Wi-Fi/ Lan Networking/ UMS Server/ CCTV Camera/ IP-PBX along with all accessories for the sum shown in the schedule of prices attached herewith and made part of this Bid.
2. We undertake, if our Bid is accepted, to complete delivery of all the items specified in the contract within the delivery schedule specified in the tender.
3. If our Bid is accepted, we will obtain the unconditional performance guarantee of a Nationalized/Scheduled Bank for a sum 10% of the purchase / contract value.
4. We agree to abide by this Bid for a period of 150 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.



**DHARMASHASHTRA NATIONAL LAW UNIVERSITY  
JABALPUR MADHYA PRADESH – 482001**

Ref No. ....../DNLU/2019

Dated: .....

5. Until a formal Purchase Order of Contract is prepared and a contract is executed accordingly, this Bid together with your written acceptance thereof in your notification of award shall constitute a contract binding on us, subject to terms and conditions mentioned in the tender document.
6. Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.
7. We understand that you are not bound to accept the lowest or any bid, you may receive and you may reject any bid without assigning reason therefore and you may vary, amend or alter any terms and conditions of the Tender Document at the time of execution of the Contract.

**Dated this..... day of ..... 2019**

**Name and Signature** .....

**In the capacity of** .....

**Duly authorized to sign the bid**

**For and on behalf of** .....

**Witness** .....

**Address** .....

**Signature**



**DHARMASHASHTRA NATIONAL LAW UNIVERSITY  
JABALPUR MADHYA PRADESH – 482001**

Ref No. ....../DNLU/2019

Dated: .....

**CHAPTER-9  
CERTIFICATES**

**WE CERTIFY THAT:**

1. We will not LEAK / DISCLOSE any information of Dharmashastra National Law University, Jabalpur to any other institutions/organizations, bodies and also in the market on the rates less than the prices quoted by us to the DNLU.
2. The rate of TAXES / DUTIES mentioned in the tender is in accordance with the provisions of the rules in all respects and the same is payable to the Authorities.
3. The material / items offered shall be of the **best quality** strictly in accordance with the specifications and particulars as detailed in the tender.
4. The information furnished by us in the tender are true and correct to the best of our knowledge and belief.
5. We have read and understood the rules, regulations, terms and conditions of tender as applicable from time to time and agree to abide by them.
6. We will meet 100% Confidentiality and Integrity of the Dharmashastra National Law University, Jabalpur Database and software.

**Authorized Signatory**

(Seal of the Company)