

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA, BURLA**

Po: Engineering College, Burla, Dist: Sambalpur, Odisha, India, PIN: 768018  
Phone: 0663-2430211, FAX: 0663-2430204, Website: [www.vssut.ac.in](http://www.vssut.ac.in)



**Tender document for Wireless LAN in Pulaha Hall of Residence & EEE Building**

Tender Call Notice No. VSSUT/CCF/ 2278/2021

Date: 08/10/2021

Submitted by

M/s.....  
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Last Date and Time of Submission of Tenders by Registered/Speed Post Only	: 01/11/2021, 3.00 PM
Cost of Tender Documents	: ₹ 1000/- (Rupees One Thousand Only)
Cost of the EMD	: ₹ 1,00,000/- (Rupees Lakh Only Only)
Date of Pre-bid meeting	: 25/10/2020, 11.00 AM
Date & Time of Opening of Technical bid	: 01/11/2021, 4.00 PM
Date & Time of Opening of Price bid	: To be notified later

The Document is prepared by VSSUT, Burla. It should not be reused or copied or used either in partially or fully in any form. The information provided by the bidders in response to this Tender document will become the property of VSSUT, Burla and will not be returned.

*Signature*  
8/10/21

*Signature*  
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8/10/2021

*Signature*  
08/10/2021



**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY: BURLA**

P.O: Engineering College Burla (Siddhi Vihar), Dist: Sambalpur  
Odisha- 768018, India

E-mail: registrar@vssut.ac.in, Ph:(0663)2430573,Fax-2430592

Advt.No.VSSUT/CCF/ 2278 /2021

Date: 08/10/2021.

TENDER CALL NOTICE

Sealed Tender Documents are invited by the undersigned from intending reputed, registered and experienced firms for establishing "Wireless LAN in Pulaha Hall of Residence & EEE Building" for the University. The last date of submission of tender is 1/11/2021, 3.00 PM. The Technical bid shall be opened on 1/11/2021 at 4.00 PM. The opening of price bid will be notified later. For details visit University website [www.vssut.ac.in](http://www.vssut.ac.in).

Leaf  
08.9.2021  
Registrar

Memo No. VSSUT/CCF/ 2279 /2021

Date: 08/10/2021

Copy to:

1. Director, I&PR, Govt. of Odisha to puyblsh in one odia daily (all India edition) using minimum space. The bill may be sent in triplicate along with a copy of the paper in which the publications is made.
2. University Notice Board.
3. Dean (Faculty & Planning) with a request to display the advertisement on the University website.
4. The Comptroller of Finance, VSSUT, Burla for Information.
5. PA to Vice Chancellor for kind information of Hon'ble Vice Chancellor.
6. PA to Registrar for information vide the approval of Vice Chancellor.

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08.9.2021  
REGISTRAR

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VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA, BURLA

Tender document for Wireless LAN in Pulaha Hall of Residence & EEE Building

Tender Call Notice No. VSSUT/CCF/ 2278 /2021

Date: 08/10/2021.

The "Registrar, Veer Surendra Sai University of Technology, Burla" invites sealed tenders from the intending reputed Original Equipment Manufacturer or its registered authorized dealers for establishing "Wireless LAN in Pulaha Hall of Residence & EEE Building" in the University.

All details and the tender documents are available on the University website [www.vssut.ac.in](http://www.vssut.ac.in).

This tender document contains the following.

- (i) General guidelines for submission of quotation
- (ii) Scope of Work
- (iii) Terms and Conditions
- (iv) Technical specification
- (v) Financial Bid Format
- (vi) Information sheet of bidder
- (vii) Undertaking by the bidder

Last Date and Time of Submission of Tenders by Registered/Speed Post Only	: 01/11/2021, 3.00 PM
Cost of Tender Documents	: ₹ 1000/- (Rupees One Thousand Only)
Cost of the EMD	: ₹ 1,00,000/- (Rupees Lakh Only Only)
Date of Pre-bid meeting	: 25/10/2020, 11.00 AM
Date & Time of Opening of Technical bid	: 01/11/2021, 4.00 PM
Date & Time of Opening of Price bid	: To be notified later

Leaf  
08.9.2021  
Registrar

Bench  
21/10/21

### General Guidelines for Submission of Tender

1. The tender is "Two Bid" document. The technical bid should contain all the relevant information and desired enclosures in the prescribed format along with Tender Fee & Earnest Money Deposit (EMD). The financial bid should contain only commercial document. In case, any bidder encloses the financial bid within technical bid, the same shall be rejected summarily.
2. The bidder shall furnish an unconditional acceptance of all the terms and conditions of this tender call document through an undertaking.
3. The bidder shall submit a certificate (self-certified on letter head) that the firm has not been black listed by any institution of the State/Central Government in the past.
4. The Tenders should be typewritten but there should not be any overwriting or cutting. Correction, if any, shall be made by neatly crossing out, initialing, dating and rewriting. **The name and signature of bidder's authorized person should appear on each page of the application. All pages of the tender document shall be numbered and submitted as a package along with forwarding letter on agency's letter head.**
5. The Contracts concluded as a result of this Tender Inquiry shall be governed by the 'Terms & Conditions' and other relevant instructions as contained in this Tender Document.
6. The prices/rates quoted should be indicated in words as well as in figures. In case of any discrepancy, lower amount/rates shall be considered as valid.
7. Bidders are requested to quote their prices on a firm & fixed basis for the entire period of the Contract. Bids of the firms received with prices quoted on variable basis shall be rejected without assigning any reasons and no communication in this regard shall be made.
8. Quotations qualified by such vague and indefinite expressions such as "subject to prior confirmation", "subject to immediate acceptance", "Optional" etc. will be treated as vague offers and rejected accordingly. Any conditional tender shall be rejected summarily.
9. Bidders may note that if the date of tender opening given in this Tender Document is declared to be a gazetted holiday, the tender shall be opened on the next working day at the same timing.
10. Late/delayed tenders received in VSSUT, Burla due to any reason whatsoever will not be accepted under any circumstances.
11. At any time prior to date of submission of tender, Tender Inviting Authority may, for any reason, or decision, modify the terms & conditions of the tender document by a corrigendum displayed on the website of VSSUT, Burla ([www.vssut.ac.in](http://www.vssut.ac.in)).
12. The VSSUT may go for a technical meet with the intended bidders to comply the technical doubt if any. The exact date shall be intimated by web after one week of publish of the tender.

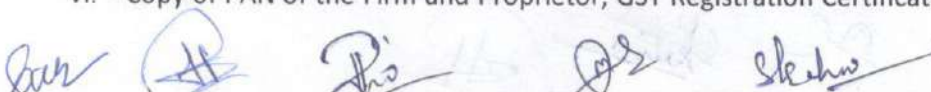


13. The bidder must be Original Equipment Manufacturer (OEM) or Business partner of the Original Equipment Manufacturer/Authorized Dealer. In case of business partner, the partner must be an Authorized Systems Integrator (ASI) having a direct purchase and support agreement with the OEMs for Wi-Fi accessories and all other active devices. The bidder should provide supporting Manufacturer's Authorization certificate in this regard (that is authorized System Integrator/Authorized Dealer). (Please furnish the documentary evidence)
14. The bidder should have sufficient experience (Minimum One Supply and Installation) as on bid calling date on Campus Networking and/or Supply, Installation, Testing, Training and Commissioning of the Security Devices/ Appliances to Academic Institution/ Corporate/ Government or Public Sector in India.
15. The Bidder must submit satisfactory evidence of their capability and adequacy of resources to carry out this contract effectively from earlier users.
16. The bidder should be a GST registered company.
17. **Cost of Tender Documents:** The cost of quotation documents is Rs.1000/- (Rupees One Thousand Only) (Non-refundable). The tender documents can be downloaded from the University website [www.vssut.ac.in](http://www.vssut.ac.in) and have to deposit a DD equal to the cost of quotation documents drawn in favour of "VSSUT, Burla" payable at SBI, Burla or Canara Bank, VSSUT, Burla along with quotation.
18. **Earnest Money Deposit (EMD):** A bank draft towards EMD for the amount of Rs.1,00,000.00 (Rupees One Lakh Only) drawn in favor of "VSSUT, Burla" payable at SBI, Burla or Canara Bank, Burla, must be submitted. The EMD will not carry any interest.
19. The completed document must reach to "The Registrar, Veer Surendra Sai University of Technology, Burla, PO. Burla, Dist. Sambalpur-768018 (Odisha) by the last date of submission i.e. **1/11/2021 3.00 PM** under a sealed cover by registered/speed post only. The quotations received after the due date & time is liable to be rejected. Quotation by FAX/e-mail or any other media will not be entertained.
20. The envelope containing the quotation must be super-scribed as "**Tender document for Wireless LAN in Pulaha Hall of Residence and EEE Building**" with due date & time of submission.
21. The University is not responsible for delay, loss or non-receipt of tender documents sent by the post.
22. **DOCUMENTS COMPRISING THE BID:**

The bids prepared by the bidder shall comprise of (1) The Technical Bid and (2) Financial Bid:

**a. TECHNICAL BID:** - To qualify in the Technical bid the firm should have the minimum eligibility criteria as under and the firm in this regard must submit the following documents in support of their eligibility criteria –

- i. Bank Draft (Non-refundable) towards the cost of tender documents in favor of "VSSUT, Burla", payable at SBI, Burla or Syndicate Bank, VSSUT, Burla.
- ii. Bank Draft for EMD in favor of "VSSUT, Burla" payable at SBI, Burla or Syndicate Bank, VSSUT, Burla.
- iii. Information Sheet of the bidder (Annex-I)
- iv. Profile of the Organization.
- v. Unconditional acceptance letter of undertaking for the terms and conditions of this tender document in the prescribed format( Annex-IV)
- vi. Copy of PAN of the Firm and Proprietor, GST Registration Certificate etc., issued by appropriate Government



authority for the required services with seal.

- vii. Financial status: - The average annual turnover of the firm should not be less than 3.0 Crores in the last three years. Copies of profit & loss account and balance sheets duly authenticated by a Chartered Accountant for the last two years.
- viii. Copy of Income Tax Return Filed Acknowledgements for last three years.
- ix. Bidder should submit Certificate of OEM/Business Partner/Authorized Dealer/Partner (in Original, which may be returned to the concerned party after verification) (for Wi-Fi, Active & Passive components). Tender Specific Authorization Letter from OEMs must be submitted.
- x. List of user Clients related to experience of the bidder along with address and contact number of Clients with supporting documents like POs.
- xi. Details of clients where similar services (supply and installation of LAN & Wi-Fi equipment) are presently provided by the agency separately for govt. and private clients along with address and telephone nos for last three years if any.
- xii. The bidder must have adequate experience of execution of similar work in Central/ State Govt. Dept., PSU's, Autonomous Bodies, Large Industrial/ Educational Campus. Necessary supporting documents like work orders, work completion certificate, payment certificate etc. for last three years to this effect must be submitted along with the offer.
- xiii. The bidder must enclose a self-declaration that he has never been black listed or punished by any court for any criminal offence/breach of contract and no police/vigilance enquiry/criminal case is pending against him or company/agency as the case may be.
- xiv. Two self-addressed envelope of size 11"x5" (or above) with complete address with Pin and Contact No. written for future correspondence.
- xv. Two self-addressed slips of size 6"x3" (or above) with complete address with Pin and Contact No. written for future correspondence
- xvi. The technical compliance form for the Technical Specification must be filled up properly without any ambiguity as per the Annexure-I failing which the tender paper shall be rejected.
- xvii. Please submit detailed literature along with make, model, topology, design, data sheets, pamphlets and performance curves as applicable.

**b. FINANCE/PRICE BID: (Sealed Packet-2)**

The envelope super-scribing "Price Bid" price bid shall specify the following

- i. Quote as per Annexure-II and Optional Items as mentioned in the Technical Bid Sheet in the respective Price proforma. Price may be quoted against other items as required to the best of your knowledge for the concerned requirement.

23. **SEALING AND MARKING OF BIDS:** The bidder shall seal the EMD, the Technical Bid and the Financial Bid in separate envelopes and keep them in a bigger sealed envelope. The envelope containing the EMD shall bear the name "EMD for Tender No:.....". The envelope containing the Technical Bid shall bear the name



"TECHNICAL BID for Tender No. ....". The envelope containing the Financial Bid shall bear the name "FINANCIAL BID for Tender No. ...." on the envelope for avoiding any mismatch.

24. The bigger envelope containing EMD, technical bid and financial bid in separate envelopes shall be:

Addressed at the following address:

The Registrar  
Veer Surendra Sai University of Technology, Odisha  
BURLA-768018  
Dist. Sambalpur (Odisha)

- (a) All the envelopes shall bear the Tender name, the tender number.
- (b) Venue of Tender Opening: Tender will be opened in the office of the Registrar on the due date. If due to administrative reason, the venue/ time of bid opening is changed, it will be displayed prominently on the notice board of the Institute as well as in the web site of the institute.

#### Technical Evaluation:

- 25. Detailed technical evaluation shall be carried out by Technical Evaluation Committee pursuant to conditions in the tender document to determine the substantial responsiveness of each tender. For this clause, the substantially responsive bid is one that conforms to all the eligibility and terms and condition of the tender without any material deviation. The Institute's determination of bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence. The Institute shall evaluate the technical bids also to determine whether they are complete, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are in order.
- 26. The technical evaluation committee may call the responsive bidders for discussion or presentation to facilitate and assess their understanding of the scope of work and its execution. However, the committee shall have sole discretion to call for discussion/presentation.
- 27. Financial bids of only those bidders who qualify the technical criteria will be opened, provided all other requirements are fulfilled.
- 28. A bid determined as substantially non-responsive will be rejected by the Institute and shall not subsequent to the bid opening be made responsive by the bidder by correction of the nonconformity.
- 29. VSSUT, Burla shall have right to accept or reject any or all tenders without assigning any reasons thereof.

#### FINANCIAL EVALUATION

- 30. The financial bid shall be opened of only those bidders who have been found to be technically eligible as enumerated under clause 17. The financial bids shall be opened in presence of representatives of technically



eligible bidders, who may like to be present. The Institute shall inform the date, place and time for opening of financial bid.

31. The rates must be quoted as per format prescribed. Agency shall include in its price all taxes and other costs while quoting for the tender, in "Annexure-II: Price Offer" to be kept in Envelop No. 2. Income Tax will be deducted at source from the bills as applicable. The Agency needs to furnish its PAN number.
32. Arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and total price that is, the unit price shall prevail and the total price shall be corrected by the Institute. If there is a discrepancy between words and figures, the lesser amount shall be considered as valid. If the Supplier does not accept the correction of the errors, his bid shall be rejected.
33. Quoting minimum rate just for acquiring the tender will not be the only criteria for award of the contract. Therefore, Bidder should carefully assess the work before offering the rates. The bidder will be selected by considering the price and performance of the devices such as access points, POE Switches, Cables etc.
34. The VSSUT, Burla does not bind himself to accept the lowest bid or any bid and reserves the right of accepting the whole or any part of the bid or portion of the job offered; and the bidder shall provide the same at the rates quoted. The VSSUT, Burla reserves the right to reject any or all offers received in response to tender or cancel or withdraw the tender notice without assigning any reason, whatsoever.

#### **AWARD OF CONTRACT: PLACEMENT OF ORDER**

The Institute shall consider placement of orders for jobs on those bidders whose offers have been found technically, commercially and financially acceptable. The Institute reserves the right to counter offer price(s) against price(s) quoted by any bidder.

#### **Price and its Validity**

35. The bidder shall quote rate per unit item. However, the University may increase or decrease the quantity before placing the order, without assigning any reason thereof.
36. The bidder must quote the final rates in clear and unambiguous terms in Indian Rupees Currency in the tender document (Annexure-II).
37. The quoted price must be inclusive of all taxes including GST as per the Government norms, freight, packing, forwarding, transit insurance etc. and must be shown clearly against each entity for delivery at site. The installation, commissioning and demonstration and training shall be at the supplier cost.
38. The prices quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.





39. Bidders are requested to quote their prices on a firm & fixed basis for the entire period of the Contract. Bids of the firms received with prices quoted on variable basis shall be rejected without assigning any reasons and no communication in this regard shall be made.
40. Bidders may note that if the date of tender opening given in this Tender Document is declared to be a holiday, the tender shall be opened on the next working day at the same timing.
41. At any time prior to date of submission of tender, Tender Inviting Authority may, for any reason, or decision, modify the terms & conditions of the tender document by a corrigendum displayed on the website of VSSUT ([www.vssut.ac.in](http://www.vssut.ac.in)). In order to provide reasonable time to take the amendment into account in preparing their bid, Tender Inviting Authority may or may not, at his discretion, extend the date and time for submission of tenders.
42. Tendering firms are at liberty to be present or authorize a representative to be present at the opening of the tender at the time and date as specified in the Schedule. The name and address of the representative authorized to attend the opening of the tender on behalf of a tendering firm should be indicated in the tender. The representative so deputed should also bring with him a letter of authority from the firm for having been authorized to be present at the time of opening of tender. Only one representative per firm shall be permitted to attend the opening of the tender.
43. **Demonstration of Technical Expertise:** The Firm/OEM/Bidder/Agency will be required to demonstrate the technical capabilities at the place and time determined by the Institute, at their own expenses.  
Before bidding, bidder has to do passive Survey and submit a proposed schematic diagram along with the bid. (There may be a pre-bid meeting to comply the queries if any raised by the bidder)
44. On all the matters relating to this tender call document, the decision of the University shall be final and binding and the same cannot be referred and reinforced to the court of law.
45. The University reserves the right to reject/cancel any or all of the tender without assigning any reason thereof.
46. The University is not bound to go for Lowest Tender on sufficient technical ground if decided by the DPC and UPC.
47. The University reserves the right to call the bidders and to conduct negotiations, if necessary and has the right to select more than one bidder for one or more items at its discretion. The bidders are advised to watch our web site for any queries.
48. Any deviation in technical specifications shall not be entertained ordinarily. The University reserves the right to modify the technical-specifications during the execution stage of the purchase process. Wherever the technical specifications of items are changed either at the University request or at Bidder's request, revised price will be fixed, if necessary, by negotiations and as agreed upon by both parties.
49. The University reserves the right to order all or part or none of the items and/or services given in this document.
50. The University may reject the bid even if, it is accepted but the successful bidder fails to execute any of the guidelines, terms and conditions mentioned in this tender document.
51. The University reserves the right to cancel the purchase order if the items under supply fail to meet the specification mentioned within the terms and conditions of this tender call document.

The bottom of the page features several handwritten signatures and initials in blue ink. From left to right, there is a signature that appears to be 'San', followed by a large stylized initial 'A', another signature, a signature that looks like 'D', and a signature that appears to be 'Shah'. There are also some faint, illegible markings and a circular stamp-like mark on the right side.

52. The supplier shall not assign or makeover the contract or part of the contract, the benefit or burden thereof to any other person or persons or body corporate. The supplier shall not underlet or sublet to any person(s) or body corporate for the execution of the contract or any part thereof.
53. The prices/rates quoted should be indicated in words as well as in figures. In case of any discrepancy, lower amount/rates shall be considered as valid quoted as per unit rate.

#### **Delivery Period**

54. All the items are to be door-delivered to the University within 4 weeks of the issue of the purchase order. In case the supplier fails to deliver the goods within the due period, the University reserves the right to cancel the purchase order and to place orders with other firms without assigning any reason thereof.
55. The supplier must supply all ordered items at a time. Part supplies are not acceptable and will not be entertained on any account. Any loss or damage during transit will be replaced at the cost of supplier.

#### **Installation and Commissioning**

56. The supplier shall be liable to complete all installation and commissioning of the Hardware at the site within 30 days from the date of receipt of the work order. All packing must be opened at the site and be handed over to the consignee, at the supplier's cost in presence of our Committee Member(s)/Technical representatives or Professor I/C. CCF.

#### **Warranty**

57. The Hardware supplied will be under comprehensive warranty for a minimum period of 3 years or more than 3 Years offered by the Company, if any, from the date of installation and commissioning. The same may be extended suitably if the authority feels its necessity as per the satisfactory performance of the bidder/firm.

#### **Support, Service and Maintenance**

58. The successful bidder shall submit full detail address with phone no., fax no. and e-mail ID of the contact person for after sales service.
59. The Consignee shall not adopt Call Log procedure for call logging through IVR system of the OEM for service or complain launching.
60. The successful bidder is required to take care of change in technology and supply the higher version of the hardware available at the time of delivery at the same total cost as per the order. The operating manuals must be supplied at the time of delivery of goods.
61. The successful bidder shall submit all bills in triplicate on printed forms to the University and 5% BG. The billing must be done with GST billing norms.
62. The supplier must submit valid and up-to-date IT Clearance and GST Registration Certificate along with the bill before release of payment.
63. No interest on any deferred claim arising out of this purchase shall be payable in any case whatsoever. No payment will be made for goods rejected at site during installation and commissioning.



64. The supplier should submit the bills in triplicate on printed forms only for the actual number of devices and other accessories used for establishing wireless LAN, as verified and certified by Prof. I/C, CCF. The 90% of the billed amount will be released only after receiving the items in good condition, successful installation, demonstration and commissioning of the Wireless LAN in Pulaha Hall of Residence and EEE Building as per the specifications along with other terms and conditions as per the work order issued by concerned authority.
65. The balance 10% will be released after 60 days of the satisfactory on site performance from the final date of installation and commissioning of all Hardware against the Bank Guarantee of 10% of total project value. All payments will be released based on separate invoices submitted to the university by the supplier.
66. The vendor should have enough spare parts and backup of configurations and setup etc., to provide standby in case of any repair in the equipment, cables, software etc., and the repair/replacement of the original equipment should be done within 24 hours.
67. The bidder must include 3 years of 7x24 hardware & software support, threat intelligence subscription and any other annual fee required as part of the bidder's solution.
68. The bidder will execute four post implementation Health Checks on a quarterly basis per year to ensure that the solution is configured and performing optimally on the site.
69. All bidders should watch and follow everyday our website [www.vssut.ac.in](http://www.vssut.ac.in) for any updation.
70. The University shall not be held responsible for any loss or damage suffered by the bidder.
71. The University reserves the right to cancel an item as ordered or cancel the whole order, if the University does not agree to a change of specification suggested by the bidder or if the bidder is not able to supply an item as per changed specifications required by the University or if there is no agreement on the revision to price.
72. Any dispute arising out of the deal shall be subjected to the jurisdiction of the court at Sambalpur within the State of Odisha.
73. The University reserves the right to add/delete/change any of the terms and conditions stipulated in this tender document.

### **SCOPE OF WORK**

74. VSSUT, Burla has a well-developed LAN setup with servers and internet bandwidth.
75. It is planned to setup wireless network for entire building of Pulaha Hall of Residence and EEE Building which should be seamlessly integrated with the existing wireless and wired network of the institution
76. The access point/network modules should support all application software, system software and network protocols.
77. The network needs to provide full coverage in areas from where users will access the network i.e. in rooms, balcony etc.
78. This controller should be capable of managing 500 clients at maximum level and should be scalable. Solution should be based on Centralized WLAN controller, single point management for configurations for WLAN/Wired LAN, Security, Access.

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79. The system should be put in place on the basis of Site survey, technical bid, financial bid, selection process, Contract, procurement, Installation, training & user support (user training, account creations, logs, security controls, hand holding, running and up keeping of systems including dusting, keeping them clean and safe, etc.), troubleshooting / maintenance done for first three years and AMC for next three years.
80. Vendors are requested to do a detailed site survey before giving quotation to understand the exact requirements. For site survey, vendor may contact PIC, CCF, VSSUT, Burla.
81. Vendor will provide a complete turnkey solution including all works like, laying of cable wherever required, civil work, if any etc.
82. Commissioning of equipment and network integration with overall VSSUT, BURLA network will also be the responsibility of the vendor.
83. The vendor will provide comprehensive warranty/guarantee with parts and onsite support for all the network equipment for a total three years and CAMC for next 3 Years.
84. After 3 years, the vendor should be able to maintain the systems through a comprehensive AMC for another 3 years and the Cost of which should be quoted separately for 3 years.
85. The vendor should provide required numbers of personnel (at least 1 [one] network certified and qualified network engineers for user support (user training, account creation coordination, logs, controls, hand holding, running and up keeping of systems, any other network/access related work etc.), troubleshooting / maintenance done for first three years, to be stationed at the site (VSSUT, BURLA) for the system and the network being created. The sitting space for these engineers for the user support facility will be provided by the VSSUT, BURLA. Implementation of temporary network would be done by vendor as and when required by VSSUT, BURLA at no additional cost to VSSUT, BURLA.
86. Any Complaint/breakdown call reported should be attended the same day within 2 hours by the 1st level local resident engineers. Further any complaint/breakdown call requiring repair/replacement/ stand by equipment/2nd level support are to be rectified with 4 hours if reported before 6.00 pm and if reported after 6.00 pm shall be attended by 10.00 AM next day.
87. The Simple operational difficulties etc., to be attended and sorted out within 2 hours of the complaint. The vendor will maintain a complaint register with cell phone for complaints and all the calls for the complaints to be registered and a complaint no. to be given to the user for further reference.
88. The vendor should have enough spare parts and backup of configurations and setup etc., to provide standby in case of any repair in the equipment, cables, software etc., and the repair/replacement of the original equipment should be done within 24 hours.
89. Wireless equipment shall be long range access (indoor) points and other equipment required shall be optimized for cost and efficiency.
90. Seamless connectivity throughout the zone for mobile users with laptops / PDA's.
91. **Coverage & Availability**

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92. No black hole/ low signal within zone, there should not be any information access/communication black hole. The WLAN should be designed in such a way that there is no or minimum interference between the wireless devices i.e. AP or any other wireless devices like medical equipment etc.
93. The WLAN should allow roaming across all the locations.
94. Secure, user authenticated access, login, password, and usage logs etc., to be provided by the vendor in coordination with VSSUT, Burla. There should be option for centralized/uniform/universal access for access/login in all wireless/wired LAN of VSSUT, BURLA.
95. The bidder should have implemented similar solution (Secure Wi-Fi setup with controller & LAN Components) deployed in India in last three years. Minimum One such supply order needed.
96. All the cables should be of latest industry standard and should be laid within conduits as per the latest standard laying procedure.
97. The complete installation of network and implementation of wireless controller should be done in phased manner in consultation with PIC CCF, VSSUT, Burla to make sure minimum disturbance to the users.
98. The complete project should be executed within 01 month from the date of supply order from VSSUT, Burla.
99. VSSUT, Burla or its representatives shall have the right to inspect or evaluate the hardware, software etc., to confirm their conformity to the ordered specifications. The supplier shall provide all reasonable facilities and assistance to the inspector at no charge to VSSUT, Burla. In case inspected tested features fail to confirm to the specifications, Office of CCF, VSSUT, Burla may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet specifications required, free of cost to VSSUT, Burla.
100. The new setup should be seamlessly integrated with existing network.
101. Design of the Wireless Network in its deployment should adhere to Governments norms defined and should comply with all its security measure.
102. All the equipment, cable and accessories has to be handed over to Office of CCF, VSSUT, Burla, in perfect working condition.
103. All the active wireless devices should be of the same manufacturer. All Switches should be from Single OEM. All passive components should be from single OEM.
104. The offered products in the Wi-Fi solution against the supply order shall be the latest version and should be under support for next 5 years. However, if any product, which is declared end of life product by the OEM during the supply period of material, the bidder should supply replaced model or next higher model/version of the product.

**Scope of Work (old One)**

105. The proposed access point should support all application software, system software and network protocols.
106. The proposed WLAN needs to provide full coverage in areas from where users will access the network i.e. in rooms, balcony etc.



107. Proposed solution should be in place with a hardware based centralized managed system i.e. Wireless LAN Controller, for single point management and configurations for WLAN, Security, Access, also should be able to have end-to-end network visibility, integrated detection, and automated threat responses.
108. The system should be put in place on the basis of Site survey, technical bid, financial bid, selection process, Contract, procurement, Installation, training & user support (user training, account creations, logs, security controls, hand holding, running and up keeping of systems including dusting, keeping them clean and safe, etc.), troubleshooting/ maintenance done for first three years.
109. Commissioning of equipment and network integration with overall VSSUT network will also be the responsibility of the Bidder.
110. Wireless equipment shall be long range access (indoor) points and other equipment required shall be optimized for cost and efficiency.
111. Seamless connectivity throughout the zone for mobile users with laptops.
112. The proposed solution should have
- Streamlined, centralized management
  - Rich set of options for self-service onboarding
  - Easy-to-demonstrate compliance
  - Ability to discover and understand everything connected to the network
113. Solution should be scalable up to any number of **Access Points** required for the complete coverage without adding any extra license.

#### **Wireless Coverage & Availability**

114. Solution should be designed to provide maximum coverage at desired area of Hostels and there should be minimum interference between the wireless devices i.e. AP or any other existing wireless devices.
115. Secure, user authenticated access, login, password, and usage logs etc., to be provided by the Bidder in coordination with Prof. I/C, CCF. There should be option for centralized/ uniform/ universal access for access/login in all wireless/wired LAN of VSSUT in near future.
116. The complete installation of network and implementation of wireless Access Point & Controller should be done in phased manner in consultation with PIC, CCF to make sure minimum disturbance to the users.
117. The new setup should be seamlessly integrated with existing network.
118. Design of the Wireless Network in its deployment should adhere to Governments norms defined and should comply with all its security measure.
119. All the equipment, cable and accessories has to be handed over to Prof. I/C, CIF, VSSUT in perfect working condition.
120. All the active wired and wireless devices should be of the same manufacturer. All Switches should be from Single OEM. **Tender Specific Authorizations are mandatorily required from all the OEMs.**



121. The offered products in the Wi-Fi solution against the supply order shall be the latest version and should be under support for 3 years. However, if any product, which is declared end of life product by the OEM during the supply period of material, the bidder should supply replaced model or next higher model/version of the product.
122. The quantities for the components mentioned in the tender are the estimates only. The bidder may quote and include in their bill of quantities any components, which they deem are necessary for successful implementation of the project.

**Delivery as well as Billing Address**

The Registrar  
Veer Surendra Sai University of Technology, Odisha  
BURLA-768018  
Dist. Sambalpur (Odisha)

San    

1. Wireless Controller.

Sl. No.	Specification	Compliance (Yes/No)	Remarks
1	Product details		
1.1	Please mention Make, Model No.		
1.2	The Bidder shall position Hardware controllers with appropriate specifications, as per the compliance to operate in the capacity of highly available wireless controller.		
2	Essential Features		
2.1	WLAN Controller should have minimum (4x) 1GbE & (4x) 10GbE ports from day one		
2.2	WLC should have Dual AC field replaceable hot-swappable power supply from day one, Field-Swappable fan from day one		
2.3	WLC should have Easy Setup through UPnP Network Discovery and Installation Wizard.		
2.4	Controller should support min. 200 AP from day one and should be scalable up to 500 APs per controller in future without adding any new hardware		
2.5	Each Controller should have capacity to handle minimum 15,000 or more Concurrent devices.		
2.6	Controller should provide air-time fairness between these different speed clients – slower clients should not be starved by the faster clients and faster clients should not adversely affected by slower clients.		
2.7	Ability to map SSID to VLAN and dynamic VLAN support for same SSID.		
2.8	Support automatic channel selection for interference avoidance.		
2.9	External Captive Portal Integration - Web-services based API for external web-portals to integrate with the controller		
2.10	The controller or WLAN solution should support client troubleshooting feature that allows an administrator to focus on a specific client device and its connectivity status. The tool should track the step-by-step progress of the client's connection, through 802.11 stages, RADIUS, EAP authentication, captive portal redirects, encryption key setup, DHCP, roaming, and more		

*[Handwritten signatures and initials]*



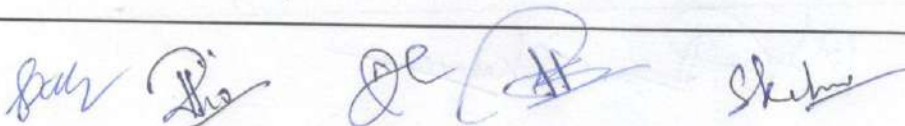
	(depending on WLAN type).		
2.11	The controller or the WLAN solution should support in built spectrum analysis feature.		
2.12	The controller should support the ability to create different zones in which AP can be grouped logically or physically based on location e.g. different buildings in a campus can be configured as different zones so that each zone will have different configuration and policies.		
3	Auto Deployment of AP's at different locations		
3.1	Access points can discover controllers on the same L2 domain without requiring any configuration on the access point.		
3.2	Access points can discover controllers across Layer-3 network through DHCP or DNS option		
4	Security & Monitoring		
4.1	Controller should support following for security & Authentication:		
4.2	Wireless Security & Authentication: Open, 802.1x/EAP, PSK, WPA, WPA2-AES, WPA-TKIP, WEP, EAP-SIM, EAP-AKA over WLAN for 802.1x, Authentication through external Radius /Directory services.		
4.3	WLC Should support L2 Client Isolation so User cannot access each other's devices.  Isolation should have option to apply on AP or SSID's.		
4.4	The proposed architecture should be based on controller based Architecture with thick AP deployment. While Encryption / decryption of 802.11 packets should be able to perform at the AP.		
4.5	WLC should support OS/Device, Bandwidth rate limit, VLAN mapping.		
4.6	WLC should support Mesh with both bands.		
4.7	WLC should be able to raise critical alarms by sending an email. The email client on the controller should support SMTP outbound authentication and TLS encryption.		
4.8	WLC or integrated solution should provide customized reporting with minimum 14 days of historical WLAN information.		



4.9	Filtering of Alarms and event Log based on APs, SSID or Zones		
4.10	Syslog support towards external syslog server		
5	QoS features		
5.1	per SSID or dynamic Per user bandwidth Rate Limiting		
5.2	Self-healing (on detection of RF interference or loss of RF coverage) and vendor should provide their Interference mitigation techniques.		
5.3	System must support Band Steering where 5 Ghz clients are forced to connect over 5Ghz Radio to provide better load balancing among 2.4Ghz and 5Ghz Radios.		
5.4	WLC shall support Quality of Service features like 802.11e based QoS enhancements, WMM or equivalent and U-APSD to provide best performance on Video applications.		
6	Client/Guest Management		
6.1	WLC should provide a Guest Login portal in order to authenticate users that are not part of the organization.		
6.2	WLC should be able to provide a web-based application that allows non-technical staff to create Guest accounts with validity for fixed duration like hours or days.		
7	Mandatory Compliance :		
7.1	All categories of Controller and Access Point should be from same OEM		
8	Warranty		
9	Product brochure		
10	Vendor should provide printed technical catalogs/brochures for the quoted model containing technical specifications, features.		

## 2. Indoor AP

Sl. No.	Specification	Compliance (Yes/No)	Remarks
1	Make & Model to be specified		
2	The APs should support the IEEE 802/11a/b/g/n/ac/ax with dual radio capabilities conforming to Wi- Fi 6 standard		



3	Should support minimum 2x2:2 or higher MIMO on both radio bands (AP must support minimum 1200 Mbps in 5GHz band and 574 Mbps 2.4GHz band)		
4	The AP shall have a Minimum Rx Sensitivity of -98 dBm.		
5	The access points should be centrally managed. In some small, isolated environments, the AP should be able to function as a full-fledged stand-alone access point without the requirement of a controller. AP Should support Mesh Connectivity from day one.		
6	The AP shall have Two 1Gbps Ethernet port.		
7	The access points should manage as standalone, Hardware/virtual controller/Controller less and Cloud based.		
8	Security mechanisms should be in place to protect the communication between the Access Point controller and the Access Points.		
9	Since most radio interference come from the WLAN network itself the vendor should specify what mechanisms such as adaptive antenna technology are available in combination to focus the energy on the destination STA and minimize radio interference with the surrounding of the AP. The vendor should specify if the activation of such feature is still compatible with 802.11n spatial multiplexing.		
10	Since the WLAN network will be using an unlicensed band the solution should have mechanisms that reduce the impact of interference generated by other radio equipment operating in the same band. Describe techniques supported.		
11	The access point should be able to detect clients that have dual band capability and automatically steer those clients to use the 5GHz band instead of the 2.4GHz band.		
12	The antennas to be dual polarized and should be integrated inside the access point enclosure to minimize damage and create a low-profile unit that does not stand out visually.		
13	The Access point should have integrated support for dual polarized antennas for superior coverage and improved reception due to Polarization Diversity-MTC.		
14	The access point should support 802.1q VLAN tagging		
15	The access point should support WPA2 enterprise authentication and AES/CCMP encryption. AP should support Authentication via 802.1X and Active Directory.		
16	Implement Wi-Fi alliance standards WMM, 802.11d, 802.11h and 802.11e		

17	The Access Point should provide for concurrent support for high-definition IP Video, Voice and Data application without needing any configuration. This feature should be demonstrable.		
18	Support RF auto-channel selection by the following three methods: a) measuring energy levels on the channel; b) monitoring for 802.11 signal structures and (c) detecting radar pulses. Other similar forms of smart selection shall also be accepted.		
19	Channel selection based on measuring throughput capacity in real time and switching to another channel should the capacity fall below the statistical average of all channels without using background scanning as a method.		
20	AP should provide minimum 23 dBm Radio output power for 2.4Ghz and 5Ghz both. (EIRP should be limited as per Govt regulation for indoor AP's).		
21	Should support Transmit power tuning in 1dB increments in order to reduce interference and RF hazards		
22	Up to 16 BSSIDs per AP for multiple differentiated user services (e.g. voice).		
23	Should support up to 250 or more clients per AP		
24	Should support IPv4 and IPv6 from day one		
25	The access point should support following security mechanism: WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i.		
26	Operating Temperature: 0°C - 40°C or more		
27	Operating Humidity: up to 95% non-condensing.		
28	Should be UL 2043 plenum rated and comply to RoHS.		
29	Should be WPC approved.		
30	Should have OEM TAC support and hardware replacement warranty for 3 Years.		

**Item-3. 12 Port POE Access switch**

Sl	Features	Specifications	Compliance	Remarks
1	<b>General Requirements</b>			
	a	Should have 12x GE RJ45, and 4x GE SFP		
	b	All ports should be (802.3af/at) POE capable		
	c	Should have 50Gbps of Switching capacity or		

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Sl	Features	Specifications	Compliance	Remarks
		more		
	d	Should have 80Mpps of Packets Forwarding or more		
	e	Should have 8K or more MAC address table		
	f	Should have 4K or more VLAN support		
	g	Should have 370W power budget		
	h	Switch should support simple management access i.e. without the need for local management clients (HTTPS preferred)		
	i	Switch should support SNMP for polling of system statistics, SNMP traps, SNMP MIB download from GUI		
	j	Should support backup of the full system configuration via the GUI		
	k	Should support REST API for configuration and monitoring		
	l	Should offer hardware lifetime warranty		
	m	Should support auto-ranging power supply with input voltages between 100 and 240V AC		
<b>2</b>	<b>Layer 2 Requirement</b>			
	a	Should support jumbo frames		
	b	Should support link auto-negotiation		
	c	Should support Spanning Tree Protocol, STP Root Guard, BPDU Guard		
	d	Should support Edge Port / Port Fast		
	e	Should support IEEE 802.1p Mapping to priority queue and VLAN tagging		
	f	Should support IEEE 802.3ad Link Aggregation with LACP		
	g	Should support load balancing algorithms with Link Aggregation		
<b>3</b>	<b>Management requirements</b>			
	a	Should support Auto Discovery of Multiple Switches from central management system		
	b	Should support 802.1x MAC-based authentication		
	c	Should support load balancing algorithms with Link Aggregation		
	d	Should support telnet/SSH		
	e	Should support SNMP		
	f	Should support firmware download via TFTP/FTP/GUI		
<b>4</b>	<b>Authentication Requirements</b>			
	a	Should support MAC, IP and Protocol based VLAN assignment (802.1v)		

SI	Features	Specifications	Compliance	Remarks
	b	Should support 802.1x port-based authentication, authentication via certificate EAP-TLS and EAP-TTLS, guest VLAN assignment, authentication fail VLAN for unauthenticated users, MAC-based authentication		
5	<b>Security</b>			
	a	Should support Policy-Based Routing from central management system		
	b	Should support Policy Control of Users and Devices from central management system		
	c	Should support Black listing and While Listing of MAC address from central management system		
	d	Should support MAC Access Bypass (MAB)		
	e	Should support Storm Control		
	f	Should support Loop Guard		
	g	Should support DHCP snooping		
	h	Should support Port mirroring		
	i	Should support Sticky Mac		
5	<b>QoS</b>	Should support 8 queues per port		

**Item-3(b). 24 Port Unmanaged switch**

Switch should be able capable of 10/100/1000GB Throughput

Item-4				
1	SFP Module			
	a	All the Transceivers/Modules used to connect the Switches should be from the same OEM/make of the switches only.		
	b	Single mode - Media Type, Wave length- 1310 nm, Min. Data rate 1 Gbps.		
	c	Distance support - Min 10 Km.		
	d	Connector LC Type, Hot swap architecture.		
	e	FO Module should be MSA compliant.		
	f	Min. operating temperature range: 0 °C to 50 °C.		

**Item-5. 24 Port SFP Switch**

100/1000 Base-X SFP Ports	20 Ports			
Combo Gigabyte(RJ-45/SFP) Ports	04			

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SFP + 10G Uplink Ports	04		
GE Out-of Management Port	1		
RJ-45 Console Port	01		

**Item-6 Wall Mount Network Out Door Rack**

Size	9U		
Dimension	500W x 450D		
Front Door	Door with Lock & Key		
Mounting Rails	2 Pairs of 19" Mounting Rails		
Standard Accessories:	1U Cable Manager (1), Hardware Packet (1 Pkt), 6 Socket 5 Amp, Power Distribution Unit (1 No.), Roof Mounted Fan Unit / 90 CFM / 230V AC (1 No.)		

**Item-6(b) Wall Mount Network Rack**

Size	9U		
Dimension	500W x 450D		
Front Door	Glass door (Tinted Toughened) with Lock & Key		
Mounting Rails	2 Pairs of 19" Mounting Rails		
Standard Accessories:	1U Cable Manager (1), Hardware Packet (1 Pkt), 6 Socket 5 Amp, Power Distribution Unit (1 No.), Roof Mounted Fan Unit / 90 CFM / 230V AC (1 No.)		

**Item-7. 12 Port Cat6 Patch Panel**

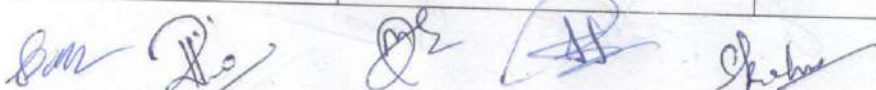
Type	12-Ports, Modular, 1U, PCB based, Unshielded Twisted Pair, Category 6, TIA / EIA 568- C.2 and ISO/IEC 11801 fully loaded with jacks		
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Port arrangement	Configured as 6 Port Module with individually replaceable CAT-6 Jacks		
Circuit Identification	Front of each module shall be capable of accepting 9 mm to 12 mm labels		
Port Identification	9mm or 12mm Labels on each of 24-ports/48 Ports (to be included in supply)		
Accessories	Integrated bend-limiting strain-relief unit for cable entry		
Housing	Polyphenylene oxide, 94V-0 rated		
Jack contacts	Beryllium copper, plated with 1.27 mm [.000050] thick gold		

Item-7.	12 Port Cat6 Patch Panel With fully Loaded
Item-8.	LIU
Item-9.	I/O Box

Item.10 Core(6)- Single Mode OFC Cable (A2)			
Fiber Mode	6		
Construction Type	Multi Loose Tube		
No of Fiber per Loose Tube	6		
Total Tubes	1		
Type of cable	Single Mode Outdoor Fiber		
Core/Cladding diameter	9/125 micron		
Attenuation	$\leq 0.35\text{dB/km}$ at 1310nm		
	$\leq 0.21\text{dB/km}$ at 1550nm		
Coating/cladding concentricity error	$\leq 12\mu\text{m}$		
Zero dispersion slope	$\leq 0.092\text{ps}/(\text{nm}^2 \cdot \text{km})$		
Zero dispersion wavelength	1300~1324 nm		
Polarization mode dispersion	$\leq 0.20 \text{ ps}/\sqrt{\text{km}}$		
Mode field diameter	1310nm : $9.0 \pm 0.4\mu\text{m}$		
Cut-off wavelength $\lambda_{cc}$	$\leq 1260\text{nm}$		





Chromatic dispersion	1288~1339nm $\leq$ 3.4ps(nm·km)		
	1271~1360nm $\leq$ 5.3ps(nm·km)		
	1550nm $\leq$ 18 ps/(nm·km)		
	1625nm $\leq$ 22 ps/(nm·km)		
Standards	ITU G.652, TIA OS2, IEC B1.3		
Armour	ECCS-Corrugated, Chrome Plated Co-polymer Steel Tape		
Central Strength Member	FRP Rod		
Tube Filling Compound	Thixotropic Jelly		
Outer Sheath	HDPE Outer Sheath, Black		
Outer Sheath Diameter	1.80 mm		
Cable Bending Radius	20 /10 x D, D=Cable Diameter		
Repeated Bending	30 Cycle, r= 20xD, 5 kg Load, D=Cable Diameter		
Tensile Force	Short Term 600 N /Long Term 1500 N		
Crush Resistance	Short Term 300 N / Long Term 1000 N		
Operation Temperature	-40° to +70°C		
Storage Temperature	-40° to +70°C		
Nominal Cable Weight (Kg/Km)	107		
Nominal Cable Diameter (mm)	9.5		
Standard Length per Drum (Mtr)	2000 $\pm$ 10		

<b>11 OFC Patch Cords-Single Mode -OS2 (LC Patch Cord)</b>			
Fiber Mode	Single Mode		
Insertion Loss (in dB)	$\leq$ 0.2		
Return Loss (in dB)	$\geq$ 45dB ( PC ), $\geq$ 50dB (UPC), $\geq$ 60dB (APC)		
Temperature (°C)	-40~+85		
Repeatability (dB)	$\leq$ 0.1		
Durability (dB)	$\leq$ 0.2 (1000 mattings)		

Cable Diameter)(mm)	2.0mm		
Ferrule Material	Zirconium Ceramic		
All Assemblies are machine polished providing highest quality			
Compliant with telecordia GR-326 core, TIA/EIA & IEC.			
Available in PC, UPC, APC connectors with .9mm, 2mm, 3mm sizes.			
Duplex and Simplex versions, Uniform and hybrid patch cord versions available.			
All assemblies are factory testing and comes with test reports.			

13 Cat6 SF/UTP Cable -			
Type of cable	4 -Pair Over all Shielded and Foiled and Unshielded Twisted pair Cable		
Over all Shielding # 1	Alloy Braiding		
Over all Shielding # 2	Polyester /Aluminum Mylar Tape		
Support	1000 Base-T Gigabit Ethernet Standard		
Conductors	Material: Bare solid Copper		
	AWG : 23		
	Size : 0.55. ±0.02		
Insulation	Diameter : 1.02 ± 0.03mm		
	Material : High Density Poly Ethylene (HDPE)		
Jacket	External OD : 6.80 mm Approximately		
	Material : LSZH		
Supply	Roll of 305 Metres per Box		
Standards	TIA/EIA 568 C.2		
	ISO/IEC 11801		
Frequency	250 MHz		







Suitable	Horizontal and Backbone connectivity		
Center cross	Poly Ethylene (PE)		
operating Temperature	-17°C to +60°C		
Pairs	Two Insulated conductors Twisted together to form pair		
Twisting	4 pairs laid together and separated by cross element		
Conductor Resistance	Max. 9.38 Ω/100m		
Conductor Resistance Unbalance	Max. 4 %		
Mutual Capacitance	Max. 5.6 nF/100m		
Bending radius	4 x overall diameter (min.)		
Breaking strength	400 N (max.)		
Capacitance Earth Unbalance	Max. 330 pF/100m		
Propagation Delay @ 1, 10, 100 & 250 MHz	Max. 570, 545, 538 & 536 ns/100 m		
Propagation Delay Skew 1 – 250 MHz	Max. 45 ns/100 m		
Certification	ETL Verified, RoHS Compliant, UL Listed		

<b>14 Cat6 Patch Cord</b>			
Cat 6 Equipment Cord, 4-Pair stranded Unshielded conductors, PVC sheath, Transparent plug and boot design provide additional space between adjacent plugs - 1Mtr			

**Item-15. UPS for Backup to POE Switch**

Sl	Specification	Compliance	Remarks
<b>1</b>	<b>IPS UPS Off Line backup for Half an Hour</b>		

16	1.50 mm Electric Cable		
17	5 Amp Switch		
18	5 Amp Socket		
19	4X4 Electric (PVC) Board		



**ANNEXURE-II**  
**PRICE BID FORM**

Dear Sir,

1. I/We .....submitted the bid for Tender No. \*\* For "providing SUPPLY AND INSTALLATION OF WIFI AT Pulaha Hall of Residence.
2. I/We thoroughly examined and understood instructions to tenders, scope of work, terms & conditions of contract given in the tender document and those contained appendix of Terms & Conditions of contract and agree to abide by them.
3. I/We hereby offer to provide supply and installation of WiFi at the following rates.
4. I/We undertake that I/We are not entitled to claim any enhancement of rates on any account during the tenure of the contract to complete the work.

Sl. No.	Item	Quantity	UOM	Unit Price in Rs	Amount in Rs	Taxes in Rs	Total amount in Rs (amount+Taxes)
1.	Wireless Controller	1+1	No.				
2	Indoor Access Point	150+20	Nos.				
3	12 Port Gigabit Managed PoE Switch(L2) with SFP Slot	16+03	Nos.				
	24 Port U/M Ethernet GB Switch	04	Nos.				
4	SFP (Trans receiver)	34+6	Nos.				
5	24 Port SFP Switch	01	No.				
6	9U Wall Mount Out Door Rack	17+03	Nos.				
	9U Wall Mount Indoor Rack	04	Nos.				
7	12 port Patch panel (Fully Loaded)	17	Nos.				
	24 port Patch panel (Fully Loaded)	04	Nos.				
8	24-Port LIU with Fully Loaded	02	Nos.				
9	I/O Box Complete with all respect	150+108	Nos.				
10	6 Core Fiber Optic Cable (A2 )	1000 +300	Mtr				
11	Fiber Optic Patch Chord (Length 3 Mtr)	40+05	Nos.				
12	Fiber Termination Box	20	Nos.				
13	CAT 6 UTP Cable(305Mtr Box)	20+08	Nos.				
14	CAT 6 Patch Cord (length 1 Mtr)	300+130	Nos.				
15	1000 VA UPS	18+04	Nos.				
16	1.50 mm Electric Cable	5000	Mtr				
17	5 Amp Switch	20	Nos.				

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18	5 Amp Socket	20	Nos.				
19	4X4 Electric (PVC) Board	20	Nos.				
20	Laying of Cat-6 using Pipe, Flexible Pipe, U-Clip etc	6100+ 2400	RMT				
21	Laying of OFC using Pipe, Flexible Pipe, U-Clip etc	1000	RMT				
22	Cabling & Electrical Accessories	20	Unit				
23	One time Installation & configuration charges for all above Components including training, documentation as per scope of Work & VSSUT's requirement with 3 years comprehensive onsite Service Support Including One residential manpower						

(Signature of Authorised Person)

(Name)  
(Designation)

Name of Firm/Company/Agency

Contact Details

*[Handwritten signatures and marks]*

**Information Sheet of the Bidder: Annex-III**

S/L	Description		To be filled in by the supplier
1.	Name of the Firm (Bidder) or OEM/Business Partner/Authorized Dealer		
2.	Address with phone No./FAX/ e-Mail		
3.	Contact Person(s) Phone No. /Mobile No./Alternate Mobile Number Authorized during the Tender Opening		
4.	Name of the OEM/Business Partner /Authorized Dealer		
5.	PAN of the OEM/Registered Firm		
6.	Details of Bank Draft towards the cost of tender documents	Issuing Bank : Branch Name : Branch Code : DD No. : Date of Issue : Payable at : Validity : Date of Expiry :	
7.	Details of Bank Draft towards EMD	Issuing Bank : Branch Name : Branch Code : DD No. : Date of Issue : Payable at : Validity : Date of Expiry :	
8.	GST Registration details		

DECLARARION: We hereby certify that the information furnished above is full and correct to the best of our knowledge. We understand that in case any deviation is found in the above statement at any stage, the tender is liable to be rejected.

Authorized Signature with Stamp

30

**Undertaking by the Bidder for unconditional acceptance of Terms & Conditions: Annex-IV**

To

The Registrar,  
Veer Surendra Sai University of Technology,  
Burla-768018.  
Dist- Sambalpur, Odisha.

Subject. Tender document for Wireless LAN in Pulaha Hall of Residence & EEE Building

Dear Sir,

We have studied and gone through the full content of the tender call document and agree to quote by the guidelines, terms and conditions laid in this tender document and we hereby accept **unconditionally** all the terms and conditions laid in the tender call document published in the website

In case of non-observance of any of the guidelines, terms and conditions mentioned in this tender document by us, we understand that our tender/purchase order (as the case may be) may be cancelled.

We warrant that the goods supplied under this contract as per complete technical specifications laid in the Annexure of this tender call notice are new, unused, of the most recent or current models, and they incorporate all recent improvements in design and materials and all the services configured shall render trouble free function with respect to hardware and software.

We hereby agree to supply, install and commission of all the Hardware, software and license items as per the terms and conditions of this tender call document if we are offered to execute the contract.

Signature of.....

In capacity of.....

Seal

**Duly authorized to sign the tender for and on behalf of**

Seal

