

**INVITATION TO TENDER**

**AND**

**INSTRUCTIONS TO TENDERERS**

**FOR THE SUPPLY OF ADDITIONAL Wi-Fi**  
**ACCESS POINTS IN VARIOUS DEPARTMENTS OF**  
**JNTUA COLLEGE OF ENGINEERING**  
**ANANTHAPURMU**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**  
**COLLEGE OF ENGINEERING (Autonomous),**  
**ANANTHAPURAMU – 515 002 (A.P)**

# JNTUA COLLEGE OF ENGINEERING, ANANTHAPURAMU

## INVITATION TO TENDER AND INSTRUCTIONS TO TENDERERS

### **FOR THE SUPPLY OF ADDITIONAL Wi-Fi POINTS IN VARIOUS DEPARTMENTS OF JNTUA COLLEGE OF ENGINEERING ANANTHAPURMU**

JNTUA College of Engineering, Ananthapuramu invites tenders for the supply of Additional Wi-Fi points in various departments of JNTUA College of Engineering, Ananthapuramu, as per specifications given in the schedule attached to the Tender form annexed hereto. All offers should be made in English and should be written in both figures and words.

The tender schedules can be obtained from the Principal, JNTUA College of Engineering, Ananthapuramu on payment of Rs.2,360/- (Rs.2,000/- + GST 18%) in the form of crossed Demand Draft on any Nationalised Bank drawn in favour of the “Principal, JNTUA College of Engineering, Ananthapuramu” payable at Ananthapuramu. Alternatively the tender schedules can be down loaded from the website [www.jntuacea.ac.in](http://www.jntuacea.ac.in). Such vendors who use downloaded tender schedules for submitting bids must enclose a demand draft for Rs.2,000/- + GST 18% towards the tender fee along with the bid in addition to EMD, otherwise the bid will be rejected.

**Note: The DD for Rs.2,360/- (Rs.2000+ GST 18%), towards the tender document fee, drawn in favour of the Principal, JNTUA College of Engineering, Ananthapuramu on any Nationalised bank should have been obtained not before 31-08-2017.**

Tender fee once paid is neither refundable not adjustable for other tenders.

The JNTUA College of Engineering, Ananthapuramu reserves the right to select the item or to reject it. The JNTUA College of Engineering, Ananthapuramu also reserves the right to revise or alter the specifications of the Additional Wi-Fi points before acceptance of any tender.

Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored, and rejected.

#### **EMD:**

A Demand Draft, for **Rs.15,640/-** (Rupees Fifteen Thousand Six Hundred and Fourty only) drawn in favour of the “Principal, JNTUA College of Engineering, Ananthapuramu”, towards EMD must accompany the tender. Those tenders without EMD will be rejected. The EMD will be refunded to all the unsuccessful tenderers only after the purchase orders are placed on the successful tenderer. The successful tenderer has to deposit an additional amount at **3%** on the contract value as Security Money Deposit.

The final acceptance of the material will be made only after delivering at our end in good condition and subject to satisfying all the specifications given by the University/College.

**BID PRICE:**

1. The contract shall be for the full quantity as described in the tender. Corrections, if any, shall be made by crossing out, initialling, dating and re-writing.
2. All duties, taxes and other levies payable by the vendor shall be included in the total price. Further, it is to be noted that JNTUA is registered with the Department of Scientific & Industrial Research (DSIR) for availing Customs/Central Excise duty exemption and the prices shall be quoted accordingly.
3. The rates quoted by the bidder shall be fixed for the duration of the contract and shall be included in the total price.
4. The prices should be quoted in Indian Rupees only.
5. The prices should be quoted with FOR destination.
6. Packing, forwarding, insurance etc to vendors account.
7. After satisfactory installation, testing and demonstration, training has to be provided to faculty and staff to the satisfaction of the purchaser at vendor's cost.
8. The operation and maintenance manuals and lab manuals are to be supplied at vendor's cost.
9. All essential accessories cost must be included in the price quoted.
10. The cost of essential spares are to be quoted separately. This will be taken into consideration while bids are evaluated.
11. Price bids are to be essentially signed by the vendor or person authorized by him.
12. Each bidder shall submit only one quotation. Alternatives offer option, if any, must be quoted in separate tender schedule.

**VALIDITY OF QUOTATION**

Quotation shall remain valid for a period of three months after the deadline date specified for submission. The vendor shall extend the validity if required.

**BIDDER QUALIFICATIONS**

1. The bidder must be ISO 9001-2008 certified company
2. Bidder must be a registered company with Goods and Service Tax, Sales Tax and Excise Departments and a true copy of the such registration documents (PAN, GST, VAT, Service Tax & TIN) should be submitted along with the bid.
3. The bidder should submit the financial turnover report for the last three years.
4. The bidders should submit the list of customers (Govt. Organizations/Universities) along with year of supply and details of equipment supplied.
5. The bidders should submit Satisfactory Performance Certificates from the customers of this equipment. The product approval certificate, if any, from reputed organizations may also be submitted.

6. Bidder debarred/ blacklisted by any Central or State Govt. / Quasi –Govt. Departments or organizations as on bid calling date for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices shall not be eligible.
7. The Principal, JNTUA College of Engineering, Ananthapuramu reserves the right to assess the capacity / capability of the suppliers in the overall interest of the Institute without assigning any reason.

**EVALUATION OF QUOTATIONS:**

The purchaser will evaluate and compare the quotations determined to be substantially responsive i.e; whether they are

- a) properly signed;
- b) conform to the terms and conditions, and specifications mentioned in this tender.
- c) the quotations unless otherwise specified would be evaluated separately for each item, and
- d) If the bidder is not the Original Equipment Manufacturer (OEM) they must Provide an authorization certificate from the Original Equipment Manufacturer, stating that the bidder is an approved agent of OEM and service warranty will be guaranteed by OEM in case the agent's license is aborted or any other reason whatsoever during the warranty period.

**AWARD OF CONTRACT:**

The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

1. Notwithstanding the above, the purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
2. The institution reserves the right to place the orders for individual items with different tenders.
3. **Right to Acceptance:**  
The Principal, JNTUA College of Engineering, Ananthapuramu does not bind himself to accept the lowest on any tender and reserves to himself the right of accepting the whole or any part of the tender or portion of the quantity offered the tenderer shall supply the same at the rate quoted.
4. The bidder, whose bid is accepted, will be notified for the award of contract by the purchaser prior to expiry of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

**DELIVERY:**

All the goods ordered shall be delivered with proper packing within 30 days from the date of issue of order. All the goods shall be delivered at JNTUA College of Engineering, Ananthapuramu.

**TERMS OF PAYMENT:**

- a) Payment shall be made by the Principal, JNTUA College of Engineering, Ananthapuramu, after delivery at the specified location, and after installation, commissioning and satisfactory demonstration of the goods with all specifications and standards to the entire satisfaction of the college.
- b) The bidder may give the details of bank and Account into which the payments are to be made.
- c) Normal commercial warranty/guarantee shall be applicable to the supplied goods.

**DELIVERY OF TENDER:**

Bids for schedule of the tender is to be placed in separate envelope, clearly mentioning schedule No. I on it. The Envelope must be super-scribed with the reference No.(JNTUACEA/CSED/TENDERS/Additional Wi-Fi Points/2017, dated:31-08-2017). The sealed tender should be addressed to:

**The Principal,  
JNTUA College of Engineering,  
Ananthapuramu,  
Pin code: 515 002.**

**Bids in sealed covers should reach the above address latest by 4:00 PM hours on 20-09-2017. Tenders submitted after the specified time shall not be considered and no intimation will be sent in this regard.**

The college reserves the Right to reject any tender which fails to comply with the above instructions. All tenders should be sent by Post or through messenger, to drop the tender in the sealed tender box provided in the office. It is the responsibility of the tenderer to see that his tender offer is delivered by the specified time at the above address. All further communication should be addressed to the officer named above and by title only.

**OTHER TERMS:**

Tenderer should make their representative available on 20-09-2017 at 4:00 PM at the time of opening tenders in the chambers of Principal or any other designated place within the college.

The tenderer should produce Goods and Service Tax (GST) & Value Added Tax (VAT)-Registration certificate.

**Tenderer should be responsible and bear any price escalation within the validity period and also after the indent has been placed till the supply.**

Sd/- PRINCIPAL

## **BID PARTICULARS**

1. Name of the Supplier :
2. Address of the Supplier :
  
3. Address of the Show Room/Workshop :
4. Display of goods : Yes / No
5. EMD enclosed : Yes / No  
DD No. \_\_\_\_\_ Bank: \_\_\_\_\_ Amount \_\_\_\_\_
6. Name and address of the officer to whom all reference shall be made regarding this tender enquiry  
  
Name :  
  
Address :  
  
  
Telephone No. :  
  
Fax No. :  
  
Mobile No. :  
  
e-mail :  
  
website :

## FORMAT OF QUOTATION

S.No.	Schedule No...(As given in the Annexure)	Description Goods	Specifications	Qty.	Unit	Quoted Unit rate in Rs.	Total Amount	
							in Figures	in words

**Gross Total Cost: Rs.....**

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs..... (Amount in figures)..... (Rs. Amount in words) within the period specified in the invitation for Quotations.

We also confirm that the normal commercial warrantee / guarantee of ..... months shall apply to the offered goods.

**Signature for Supplier  
with seal**

**ABSTRACT OF EQUIPMENT**

**SCHEDULE**

Name of the Equipment: **Additional Wi-Fi Access Points**

Department: Computer Science and Engineering/CCC

<b>Item</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1.	Additional Wi-Fi access points with POE, Active/Private Components LAN Cable, necessary Items & Installation.	14

Detailed specifications of Schedule is given in ANNEXURE.





**JAWAHARLAL NEHRU TECHNOLOGICAL  
UNIVERSITY ANANTAPUR  
COLLEGE OF ENGINEERING (Autonomous),  
ANANTHAPURAMU-515002 (A.P)**

Rc No. JNTUACEA/ Additional Wifi Access points/2017

Date:24-08-2017

**TENDER NOTICE**

Sealed tenders are invited from the reputed dealers / suppliers for the supply of Additional Wi-Fi points in various departments of JNTUA College of Engineering, Ananthapuramu.

Details of the tender can be obtained separately from the undersigned from 31-08-2017 on payment of Rs. 2000 + GST 18% (Non refundable) in the form of Demand Draft payable at Ananthapuramu favouring of **The Principal, JNTUA College of Engineering, Ananthapuraramu (A.P)** drawn on any nationalized bank, not before 31-08-2017. The tender document can also be downloaded from our website [www.jntuacea.ac.in](http://www.jntuacea.ac.in).

The sealed tenders should reach the undersigned on or before 20-09-2017 by 4:00 PM.

**Sd/-  
PRINCIPAL**

## ANNEXURE

### Specifications of Additional Wi-Fi Access Points

Indoor AP Type	General Specifications	Compliance Yes/No
1	AP must support the 802.11a, 802.11b, 802.11g standards. Additionally they must concurrently support the 802.11n standard in both the 2.4 and in the 5 GHz bands.	
2	Must support WPA2 Personal/Enterprise authentication and AES/CCMP encryption.	
3	AP (including 3 stream models) must be capable of being powered by standard 802.11af PoE	
4	Security mechanisms must be in place to protect the communication between the Access Point controller and the Access Points.	
5	Must be automatically upgraded to the appropriate software revision on initial connection and subsequent controller upgrades by a central controller	
6	It must be deployable on the same LAN/IP subnet as the controller, or on different LANs/IP networks separated by routers/WAN links where appropriate.	
7	Must support band steering of 802.11a/n capable clients to the 5Ghz band when appropriate	
8	APs must support an “air-time fairness” mechanism to prevent slower transmitting Wi-Fi client devices from unfairly penalising clients that are capable of faster transmission/throughput i.e. 802.11b/g/a client devices penalising the performance of 802.11n devices.	
9	AP preferably should support two Ethernet ports allowing the cascading of multiple access points, or the connection of Ethernet based devices	
10	The Ethernet ports must support 802.11q VLAN tagging and Trunk, General and Access modes	
11	AP must support Standalone mode even in the absence of Controller	
12	The Ethernet ports must support 802.1x Authenticator or Supplicant modes	
13	AP should support location specific services (Specify the supporting mechanism)	
14	Proposed Access Points should preferably support Dual Polarized internal antennas	
15	Indoor AP must support 2X2:2 on both the radio bands	
16	Concurrent dual-band 802.11n ( 2.4GHz and 5GHz )	
17	Access Points should preferably support Dual Polarized internal antennas	
18	AP must be support MESH Capabilities	
19	AP must be RF power out put minimum 26 dbm for 2.4GHz and 24dbm for 5GHz	
20	AP must Capable of supporting up to 250 clients per AP	
21	AP must support 1X 10/100/1000 Mbps ,another port should support at least 10/100 Mbps Ethernet Port	

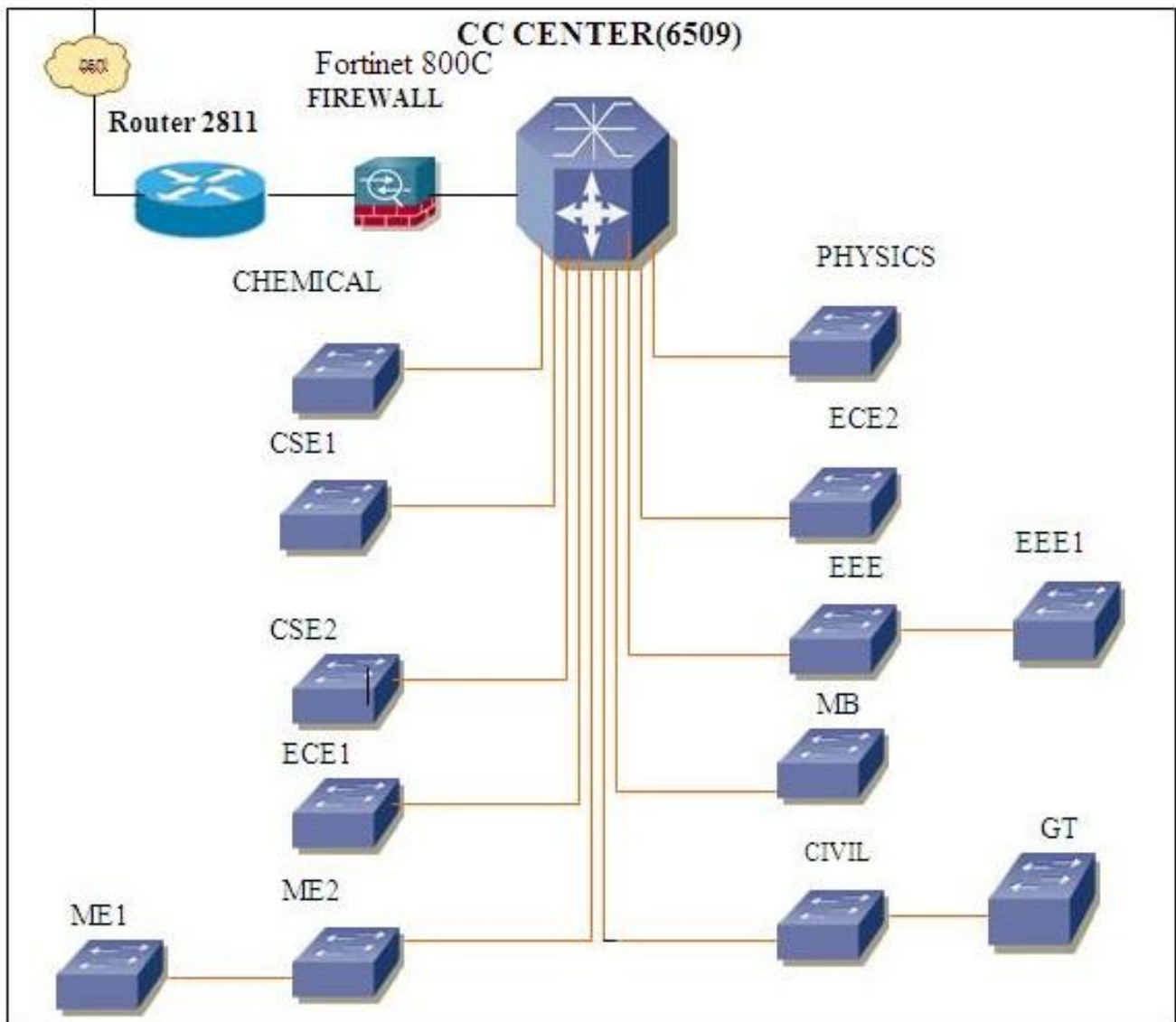
**Note: All equipment & accessories supplied under this contract shall be in accordance with the latest applicable recommendations, regulations and standards of: -**

- CCITT/ITU
- ANSI
- IEC
- IEEE
- IETF
- EIA/TIA 568 Standards
- International Electro-technical Commission (IEC)
- Certified by WiFi agencies

For parameters not covered under the above codes, internationally acceptable standards shall be accepted. The bidder shall furnish a complete list of all standard and codes under which his equipment is designed, manufactured and assembled along with the bid.

## REFERENCE-I

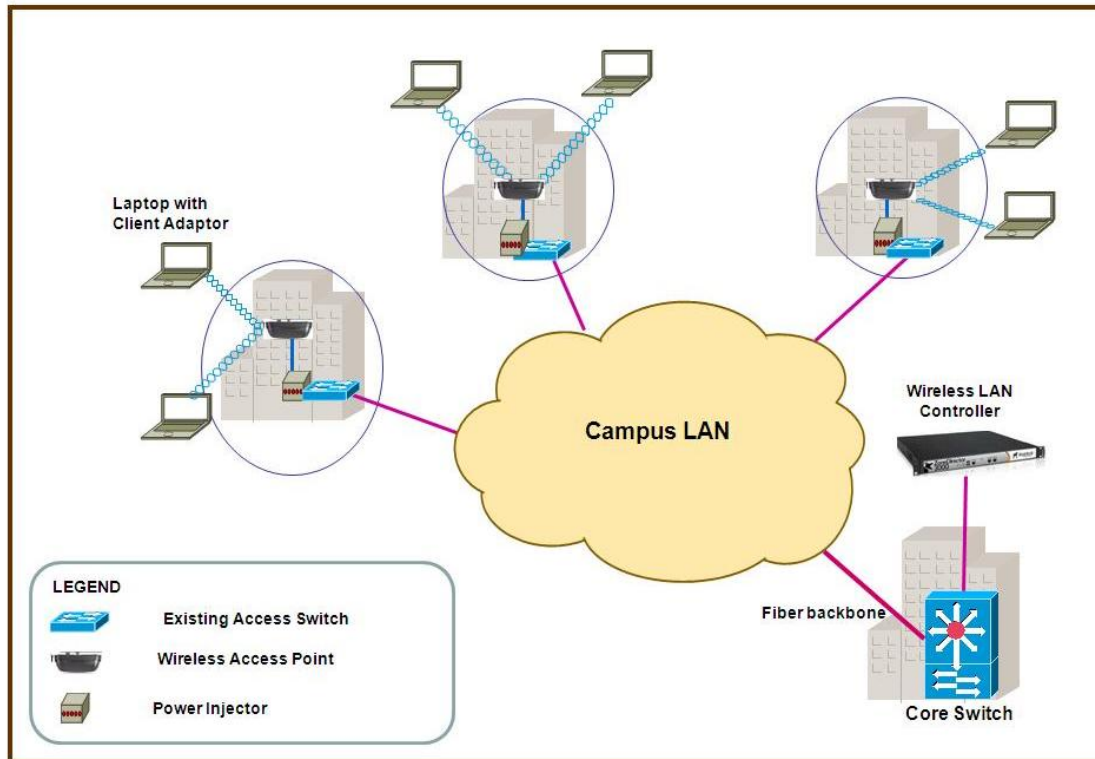
### Existing LAN Diagram of JNTUA College of Engineering, Ananthapuramu Campus



## REFERENCE-II

### Existing Wi-fi in the Campus:

### Wireless LAN Architecture Diagram for JNTUA College of Engineering, Ananthapuramu Campus



### Existing Wi-fi Equipment in the Campus:

1. Ruckus Zone Director 3000 Series – 1 No.
2. Out Door Access Points Model No.R7762 Make Ruckus: 10 Nos.
3. In Door Access Points Model No R7372 & R7982 Make Ruckus: 40 Nos.
4. Wifi Covers 6 Engineering Departments, Main Building, Library, Administrative Block, Guest House, Ellora Hostel and Shilpa Hostel

**\*The Quoted Access Points should be compatible with the existing equipment**