भारतीय सूचना प्रौद्योगिकी संस्थान, इलाहाबाद
Indian Institute of Information Technology, Allahabad
An Institute of National Importance by Act of Parliament
Deoghat, Jhalwa, Allahabad-211015 (U.P.) INDIA

Ph.: 0532-2922025, 2922067, Fax : 0532-2430006, Web : www.iiita.ac.in, E-mail : contact@iiita.ac.in

Ref no. IIIT-A/ENQ/FIP/268/*225*/2018
Date: 10/07/2018

TENDER NOTICE

1. Sealed tenders are invited under **Two Bid Systems** for the **Purchase of Out Door Wireless Access Point** at Indian Institute of Information Technology, Allahabad. The detailed specifications and terms & conditions are given in **Annexure I, II, III, IV, V & VI.** Tender document may be downloaded from the Institute website www.iiita.ac.in."

2. Tenderers are requested to submit the quotation by courier/speed post with complete details of specifications, terms & conditions, warranty/guarantee etc. Quotation should be in two separate sealed envelopes "Technical Bid" and "Commercial Bid" and placed in a single envelope with name of the tender, ref. number and closing date superscripted on the top of the envelope addressed to the Faculty In-charge Purchase, IIIT-Allahabad **upto-02/08/2018, 12:00 Noon.** Quotations duly sealed may also be dropped in the tender box placed in the office of the Faculty In-charge, Purchase, IIIT-Allahabad. Basic rate, taxes and other charges if applicable etc. must be quoted separately, F.O.R. destination at IIIT-A, Jhalwa, Allahabad. Please note that tender document will not be accepted after the expiry of stipulated date and time for the purpose.

3. Details of Bank account of Firm for returned of EMD and/or Performance Security

   Bank's Account Holder Name:..
   Type of Account Name:...
   Address of Branch:...
   Account No:...
   IFSC Code:..

4. **E.M.D.:** EMD amount Rs.25,000/- should be directly transfer into the bank account (IIITA General AC) of Indian Institute of Information Technology Allahabad through RTGS/NEFT and the tender document should be accompanied with the transaction receipt of RTGS/NEFT (Any bid without EMD fee receipt will not be considered). EMD receipt should be enclosed with the Technical Bid document in a separate envelop.

   The detail of institute's Bank account is as below;

   Account Name: IIIT-A General AC
   Bank Name: Indian Overseas Bank
   Address: 61, M.G. Marg, Civil Lines, Allahabad
   Account No.: 035001000060976
   IFSC Code: IOBA0000350

   Amount of EMD as below:

S.No	Description	EMD Amount	Transaction No. & Date
1.	**Purchase of Out Door Wireless Access Point**	₹25,000/-	

5. The Technical Bids will be opened in the presence of the tenderers or authorized representatives interested to be present on **02/08/2018 at 4:00 PM**. Vendors are desired to submit their authorization letter along with a photocopy of their photo identity card. Please carry the same original proof of identity for verification purpose at the time of opening of tender/enquiry. The date fixed for opening of bids, if subsequently declared

as holiday by the Government, the revised date of schedule will be notified. However, in absence of such notification, the bids will be opened on next working date, the time remaining unaltered. The financial bids of only those bidders, who's Technical Bids will qualify, shall be opened by concerned committee. For any queries regarding the tender, please send a mail to info.purchase@iiita.ac.in.

for **Faculty In-charge Purchase**

Copy to:
  ➤ PS to Hon'ble Director- for kind information to Hon'ble director please.

Technical Bid

(On letter head of the Firm & in a separately sealed envelope)

PROFORMA FOR APPLICATION

1. Name of the firm :- ....

2. Address of the firm :- ....

....

3. Phone Number (With Code):- ....

4. Proprietor's name: - ....

5. Address of Proprietor: - ....

6. Proprietor's Phone No. :- ....

7. Email Id: ....

8. Details of the firm:-

     (a)Date from which the firm is operating: - ....

     (b)Turnover of the firm during: - FY 2015-16 (₹)...............

                     FY 2016-17 (₹)..............

(Please attach documentary evidence)

     (c) PAN No. :- ....

     (d) TIN No. :- ....

     (e) Service Tax Registration No. (If any):-....................

Technical Compliance

(To be attached with technical bid)

Specifications of Out Door Wireless Access Point

Sr. No.	Items/ Specification	Compliance (Yes/No)	Deviation
1	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2 , supporting upto 160Mhz 11ac channel bandwidth.		
2	Must support external antenna options.		
3	Mounting kit should be standard from OEM directly.		
4	Access point must support flexible Dynamic Frequesncy Selection across 20Mhz, 40Mhz, 80MHz and 160Mhz wide channels to combat performance problems due to wireless interference. And when radar is detected, it should able to identify the exact 20 Mhz channel & should able to block that channel only		
5	Access point must have an USB port and Modular slot for future use		
6	Access point should have serial/console port		
7	Access point should have a multigigabit Ethernet to take the full advantage of Wave t throughput.		
8	Access Point shall provide modular expansion and upgradeable, while using the same AP mounting bracket		
9	Access Point shall be able to support 802.3at and UPoE for future modular scalability		
10	Vendor shall offer PoE Injector option that support Multigigabit Ethernet speed		
11	Must have atleast 4 x dBi Antenna gain on both 2.4 Ghz and 5Ghz		
12	Must support 4X4 multiple-input multiple-output (MIMO) with three spatial streams		
13	Must support the physical rate of 2.6 Gbps on 5GHz radios.		
14	The access point should have a capability to enable both the radios on 5Ghz for serving the client thereby increasing the bandwidth capacity to 5.2 Gbps per access point.		
15	Must support minimum of 23dbm of transmit power on both 2.4 Ghz & 5GHz Radio.		
16	The AP must be capable of optimizing the SNR exactly at the position where 802.11a/g/n/ac client is placed (beamforming) without requiring any support or feedback from clients, hence it should work with all 802.11a/g/n/ac clients.		
17	Should have detecting and classifying non-Wi-Fi wireless transmissions while simultaneously serving network traffic		
18	Should support configuring the access point as network connected sensor to access any network location covered by the access point to get real-time Spectrum analysis data.		
19	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.		

20	Must incorporate radio resource management for power, channel, coverage hole detection and performance optimization		
21	Must have -90 dB or better Receiver Sensitivity.		
22	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.		
23	Must support Management Frame Protection.		
24	Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).		
25	Must operate as a sensor for wireless IPS		
26	Should support non-Wi-Fi detection for off-channel rogues and Containment for both radio while serving the client simaltaniously.		
27	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.		
28	AP model proposed must be able to be both a client-serving AP and a monitor-only AP for Intrusion Prevention services.		
29	Must be plenum-rated (UL2043).		
30	Must support 16 WLANs per AP for SSID deployment flexibility.		
31	Must continue serving clients when WAN link to controller is back up again, should not reboot before joining		
32	The APs must support centralized wireless mode with the use of a controller, but the APs must also support operation in autonomous mode without the presence of any controller, when needed.		
33	When operated in remote AP mode, the AP must not disconnect any clients when the connection to the controller fails or in the case the failed connection has been restored again.		
34	When operated in remote AP mode, the AP must be able to authenticate new users with local radius server directly at the AP itself in case of link failure to controller.		
35	Access point should able to do the spectrum scanning for WiFi and non-WiFi interference for both on-channel and off-channel at all 20Mhz ,40Mhz, 80Mhz and 160Mhz channels		
36	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.		
37	Must support Power over Ethernet)/ power injectors.		
38	802.11e and WMM		
39	Must support Reliable Multicast to Unicast conversion to maintain video quality at AP level		
40	Must support QoS and Video Call Admission Control capabilities.		

Note-

i) Vendors are required to submit technical compliance sheet is prescribed Proforma. Unfilled signed compliance sheet will not be accepted.

Signature of the tenderer

Seal of the firm

S. ~~pmpmfm~~

Technical Terms and Conditions

1. **Authorization:** The tenderer should be an authorized dealer/reseller of the Equipment /Original Equipment Manufacturer (OEM) and a certificate to this effect should be enclosed with the technical bid (Enclosed Authorization certificate) specific to this bid.

2. Annual Turnover of the firm should be 35 Lakh or higher for the last two years separately.

3. Bidder must attach at least 2 copies of purchase order for supply of equipment's during last 02 financial years (2016-2017) in Central or State Govt. Institutes/reputed organizations for qualification in the bid.

4. The vendor should have supplied minimum order of 11 Lakh or above for the Wireless Access point. i.e. financial year -2015-16 & 2016-17 (Documentary proof required).

5. **Compliance statement:** Compliance statement needs to be provided by vendors clearly specifying **COMPLIANCE/DEVIATION** with remarks of all of the points of **Annexure-II.**

Signature of the tenderer

Seal of the firm

General Terms and Conditions of the Tender

1. Kindly mention enquiry number, subject, due date, contact address etc., on your quotation. Incomplete quotation will not be accepted.

2. **Bid:** The tenders are to be submitted in two part viz. **"Technical Bid" and "Financial Bid"** in two separate sealed envelopes separately. The Financial Bid will be opened only after acceptance of "Technical Bid".

3. Detailed specifications, catalogue/literature of all the items quoted should be supplied with the technical bid.

4. Vendors are desired to quote rates of all items listed as annexure-II. Failing which tender will not be considered.

5. **Warranty:** Warranty will start from the date of successful installation report at IIIT-A. Warranty start and end date should be clearly mentioned in the bill and warranty card duly signed & stamped, if applicable.

6. **SECURITY DEPOSIT:** The successful bidder (L1) has to deposit Security deposit which will be equivalent to 5% of the contract value in favour of 'IIIT-Allahabad', which has to be electronically transfer through the RTGS/NEFT into the bank account of Institute as mentioned below:

   Account Name: IIITA General AC
   Bank Name: Indian Overseas Bank
   Address: 61, M.G. Marg, Civil Lines, Allahabad
   Account No.: 035001000060976
   IFSC Code: IOBA0000350

7. Security deposit should remain valid for a period of sixty days beyond the warranty period. **No interest shall be paid on Performance Security.** The Performance Security will be forfeited by order of the Competent Authority in the event of any breach or negligence or non-observance of any terms & conditions of the contract or for unsatisfactory performance or for non- acceptance of the supply order. EMD will be released after receiving of transaction receipt of RTGS/NEFT of security amount.

8. **Delivery Schedule:** The supply period shall commence from the date of issue of purchase order and completion period will be strictly 4-5 weeks.

9. **Payment:** Payment will be made within 15 days after acceptance of delivery of material, Installation and satisfactory report.

10. **Penalty:** If the supply delayed beyond the stipulated time of completion of supply, penalty of 1% per weeks and maximum upto 10% of the total cost may be imposed at the discretion of competent authority.

11. **Exemption:** The institute is exempted from custom in terms of notification No. 51/96-custom dated 23/07/96 and is an University established under M.H.R.D. Govt. of India. Certificate to this if, required shall be provided by the Institute.

12. **Transit Permit (E way bill) :** Transit road permit in the prescribe proforma shall be made available as per rule by the Institute on the request of the supplier if, required.

13. Price Basis & applicable Tax claim: Price should be quoted by interested tenderer inclusive of all up to F.O.R. IIITA, Allahabad basis. Vendor should clearly mention the Rate of applicable GST Tax separately, if firm will not mentioned the Taxes clearly on their Price Quotation, IIIT - Allahabad will assume that the quoted price is inclusive of all and no extra amount at a later stage shall be paid by IIIT, Allahabad on account of Taxes.

14. If it is found that items are fake or of sub-standard quality and not conforming to the required specifications, the firm will have to replace the fake/ sub-standard items with genuine ones immediately but they will also be liable to be blacklisted.

15. Rate quoted by the firm should not be higher than the MRP/ prevailing market rate.

16. Conditional quotations are liable to be rejected. In the event of acceptance, Director's decision will be final. The rates should be quoted as per our required specifications.

17. The rates should be quoted in Indian rupees. Evaluation of offers will be made on the basis of total amount of all items inclusive of all charges, taxes, duties, etc., for the indicated quantity in the attached format. Rate for all the items is to be quoted by the tenderer. In case of any item has not been quoted by any bidder that bid for such items will be loaded with the highest rate received for that item as evaluation is to be done on the total amount of all the items for the indicated quantity. However, while awarding the rate contract successful bidder has to supply all the items and for those items for which bidder has not quoted the rates will get the lowest rate received in the tender. Every bidder has to agree to this condition failing which its offer will not be considered for award of work.

18. The right to accept or reject any tender/ quotation, partially or wholly, including lowest quotation without assigning any reason whatsoever thereof or incurring any liability thereby is reserved with the Director, IIIT, Allahabad. The Director, also reserves the right to split the tender and place the orders for supply of item(s), mentioned in the enquiry letter on one or more tenderer. The decision of the Director, with regard to enforcement of these terms and conditions herein contained, as a result of breach of these conditions by successful Tenderer/s, shall be final and the Director, shall not be liable for any damage/liability put forth by the Tenderers at any stage of the transaction arising out of the enforcement of any or all herein contained terms and conditions.

19. The quantity shown in this tender is only approximate requirement and is subject to alteration at the time of placing the supply order and during the pendency of the quotation it will be binding on the part of the successful Tenderers to honour and comply with such orders placed by this Institute.

20. All the documents submitted must be legible and self-attested. Otherwise it is likely to be rejected.

21. In case the firm fails to complete the job within maximum specified period, Institute reserves the right to get the job done by any other firm and the difference of cost if any, will be recovered from the defaulting firm.

22. The EMD, if applicable, shall be returned to the bidder (s) whose offer is not accepted by the Institute within 15 days after finalization and award of the contract without any interest. Unsuccessful bidders may collect the EMD (within next 10 days after finalization & award of the contract) from Purchase Section, IIIT-A between 3PM to 5PM on any working day after providing a copy of any Photo Identity Card. After these 10 days EMD will be sent by registered post to the postal address provided by the firm/bidder at S.No.24. Representative may also collect the EMD on behalf of the bidder, after providing an authorization letter from the bidder along with a copy of his photo identity card. If the return of EMD is delayed for any reason, no interest/penalty shall be payable to the bidder.

23. Tenderers responding to this enquiry shall be deemed to be agreeable to the terms and conditions herein contained. These terms and conditions shall be binding on the part of the successful tenderer.

24. Tenderer should take into account any corrigendum published on the Tender document before submitting their bids. All such corrigendum will be placed on IIIT-A website www.iiita.ac.in Intending tenderers are advised to visit www.iiita.ac.in for regular update, if any, till the closing date of tender for any corrigendum/ addendum/ amendment. IIITA will not be responsible for ignorance of corrigendum.

25. Tender must be quoted in prescribed format on the company/firm letter head.

26. If any defect is found in transit it will be the sole responsibility of the supplier to get it corrected and installed as desired by the user.

27. Quoted rate should be valid at least for 03 months. Quantity may be increase or decrease as per requirement.

28. The firm/company's black listed at any stage need not to apply.

29. All pages of the tender documents are to be signed and stamped by the tendering firm.

30. Director, Indian Institute of Information Technology, Allahabad reserves the right to reject or accept any tender.

31. Director, Indian Institute of Information Technology, Allahabad will be the sole arbitrator of all the dispute and his decision will be binding on both the parties.

32. Director, Indian Institute of Information Technology, Allahabad reserves the right to alter/modify any or all conditions of this tender notice.

33. Quotation should be addressed to Faculty In charge Purchase, Indian Institute of Information Technology, Deoghat, Jhalwa, Allahabad-211015 (U.P.) India.

34. All disputes are subject to Jurisdiction of Allahabad.

For any query pertaining to this bid correspondence may be addressed to

Faculty In Charge Purchase
Indian Institute of Information Technology
Deoghat, Jhalwa, Allahabad -211015
Phone : +91 0532-2922051
E-mail: info.purchase@iiita.ac.in

for **Faculty In Charge Purchase**

Certified that the information in the proforma is true. I/We agree to the contents of terms & condition of the quotation/tender.

Seal and Signature of the Proprietor/Authorized Representative

Financial Bid

(On letter head of the Firm & in a separately sealed envelope)

Sl No.	Specification	Make/ Model	Qty.	Unit Price	Total amount
1.	Out Door Access Points (Configuration As per annexure-V1)	Cisco/HP/Juniper	20 nos.		
				Total-	
				Taxes if any-	
				Net Total	

Signature of the tenderer

Seal of the firm

Specification of Wireless Access point

Sr. No.	Specification
1	Access Points proposed must include radios for 2.4 GHz and 5 GHz with 802.11ac Wave 2 , supporting upto 160Mhz 11ac channel bandwidth.
2	Must support external antenna options.
3	Mounting kit should be standard from OEM directly.
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5	Access point must have an USB port and Modular slot for future use
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7	Access point should have a multigigabit Ethernet to take the full advantage of Wave t throughput.
8	Access Point shall provide modular expansion and upgradeable, while using the same AP mounting bracket
9	Access Point shall be able to support 802.3at and UPoE for future modular scalability
10	Vendor shall offer PoE Injector option that support Multigigabit Ethernet speed
11	Must have atleast 4 x dBi Antenna gain on both 2.4 Ghz and 5Ghz
12	Must support 4X4 multiple-input multiple-output (MIMO) with three spatial streams
13	Must support the physical rate of 2.6 Gbps on 5GHz radios.
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19	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.
20	Must incorporate radio resource management for power, channel, coverage hole detection and performance optimization
21	Must have -90 dB or better Receiver Sensitivity.

22	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.
23	Must support Management Frame Protection.
24	Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).
25	Must operate as a sensor for wireless IPS
26	Should support non-Wi-Fi detection for off-channel rogues and Containment for both radio while serving the client simultaneously.
27	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.
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29	Must be plenum-rated (UL2043).
30	Must support 16 WLANs per AP for SSID deployment flexibility.
31	Must continue serving clients when WAN link to controller is back up again, should not reboot before joining
32	The APs must support centralized wireless mode with the use of a controller, but the APs must also support operation in autonomous mode without the presence of any controller, when needed.
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for **Faculty In Charge Purchase**