



भाकृअनुप - राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
राजेन्द्रनगर, हैदराबाद-५०००३०, तेलंगाणा, भारत
ICAR-National Academy of Agricultural Research Management
(ISO 9001:2015 Certified)
Rajendranagar, Hyderabad-500030, Telangana, India
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Phone No. 040-24581324

F.No.5-576/19-20/PS/WiFiAccesspoints

27th January 2019

E- TENDER ENQUIRY PROCUREMENT AND INSTALLATION OF INDOOR AND OUTDOOR WI-FI ACCESS POINTS IN TWO BID SYSTEM

ICAR-NAARM is a premier publicly funded Training and Research Management Organization under ICAR, DARE, Ministry of Agriculture, and Government of India. The Director, ICAR-NAARM, Rajendranagar, Hyderabad – 500 030, Telangana, India, now invites Online bids from the Authorized OEM Partners / authorized dealers/ authorized suppliers for tenders for Supply & Installation of **Indoor And Outdoor Wi-Fi Access Points** In Two Bid System.

Terms and Conditions:

1. Important Dates:

Sl. No.	Description	Date	Time
1.	Tender Publishing Date	27-01-2020	1500 hrs
2.	Document Download start date	27-01-2020	1600 hrs
3.	Seek Clarification Start Date	27-01-2020	1600 hrs
4.	Seek Clarification End Date	17-02-2020	0900 hrs
5.	Bid Submission Start Date	27-01-2020	1600 hrs
6.	Bid Submission Closing Date	17-02-2020	1200 hrs
7.	Bid Opening Date	Bid Submission Start Date on 27-01-2020 1600 hrs. Bid Submission Closing Date on 17-02-2020 1200 hrs. Bid Opening Date on 18-02-2020 1200 hrs.	1200 hrs

Note:

- The items as per supply order shall be transported directly from OEM to ICAR-NAARM Stores at your cost.

- b. The information format should invariably be filled in and duly signed by the authorized signatory and the terms and conditions strictly be followed before submitting the tender.
- c. The tender(s) may be addressed to the Director, ICAR-NAARM, Rajendranagar, Hyderabad-500 030.
- d. Note: Bidder should Sign and Seal on each page of the Tender Document failing which your Tender Document will not be accepted.

General Terms and Conditions:

1. **Cost of Tender:** There is no cost for tender Document. The tender documents indicating with full details of **Indoor and Outdoor Wi-Fi Access Points specifications** and terms and conditions can be downloaded from the Government of India, Central Public Procurement Portal (<http://eprocure.gov.in/cppp/>) or NAARM Website (<http://www.naarm.org.in/>). Director, ICAR-NAARM reserves the right to accept or reject any tender(s) or in full without assigning any reason thereof. **THE TENDER HAS TO BE SUBMITTED ONLINE ONLY <http://eprocure.gov.in/cppp/>**.
2. **Earnest Money Deposit:** The vendors has to submit an **EMD of Rs.65,000/-** (Rupees Sixty Five Thousands only) in the form of Demand Draft drawn in favor of "ICAR Unit – NAARM A/c", Hyderabad from any scheduled Bank and should be sent by speed post as to reach before due date at the above address. The EMD exempted for those registered with Micro, Small & Medium Enterprises (MSME) and National Small Industries Corporation (NSIC). No interest will be paid on Earnest Money/Security Deposit for the period of retention in the NAARM.
3. **Forfeiture of EMD:** The EMD made by the bidder will be forfeited if:
 - i. Bidder withdraws its bid before opening of the bids.
 - ii. Bidder withdraws its bid after opening of the bids but before Notification of Award.
 - iii. Selected Bidder withdraws its bid / Proposal before furnishing **Performance Security/Security Deposit**
 - iv. Bidder violates any of the provisions of the Tender Document up to submission of **Performance Security/Security Deposit**.
 - v. Selected Bidder fails to accept the order within five days from the date of receipt of the order. However, ICAR-NAARM reserves its right to consider at its sole discretion the late acceptance of the order by selected Bidder.
 - vi. Bidder fails to submit the **Performance Security/Security Deposit** within stipulated period from the date of execution of the contract. In such instance, ICAR-NAARM at its discretion may cancel the order placed on the selected Bidder without giving any notice
4. **How to Apply:** The duly filled Application form along with the relevant supporting documents and Price bid must be submitted through online mode only on <http://eprocure.gov.in>. Manually submitted Bids are not accepted. Bidders would be required to register themselves in the CPP Portal. For submission of bids, the bidder is required to have Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities (CA). **Eligibility of conditions are mentioned in the check-list. All the required documents (self-attested) in support of eligibility criteria are to be uploaded along with the tender documents.** All pages of tender documents should

be numbered serially. The bidders are advised to submit duly signed required papers / documents with their bids as per the specifications indicated in online only through Portal: <https://eprocure.gov.in> failing which their bids will be rejected.

4. **Payment:** No advance payment is permissible. Payment will be made only after satisfactory supply & installation of the goods/equipment material in couple of weeks with due certification of the concerned in-charges.
5. **Security Deposit:** The successful bidder has to furnish an amount equivalent to **10%** of the order value as **Performance Security Deposit**, which will be refunded / returned after satisfactory completion of the contractual obligations including warranty. The Security Deposit should be in the form of Fixed Deposit Receipt or Bank Guarantee from any commercial bank and on which no interest will be paid.
6. **Delivery Schedule:**
 - Supply, installation, commissioning and integration of existing Network Routers, Switches Delivery of equipment & licenses should be within 3 weeks.
 - Installation and commissioning should be within 2 weeks after delivery.
 - Specific mention imported/acquired and in the latter case, the time required for delivery after firm purchase order is placed should be indicated clearly.
 - No part supply is allowed.
7. **Liquidated:** If you are failed to deliver any or all of the goods or to perform the services within the delivery period specified above, a sum equivalent to 0.5% of the contract price per week or part thereof off delay until actual delivery or performance shall be deducted from the Bill up to a maximum deduction of 10% of the contract price. Once the maximum is reached, we may consider termination of the contract and the firm will not be allowed to participate in any Tender for the next three (03) years.
8. **Bank details for e-payment:** The bank details may be furnished along with tender for making e-payment to the successful bidder.
9. **ISO Certification:** The ISO certification of the product may be furnished along with tender.
10. **OEM Authorization:** The Firm should be Submit Manufacturer's Authorization Form (MFA) from OEM of the quoted product. The scanned copy of the same to be uploaded in the CPP Portal and the Original certificate should be reached to the Academy before due date of the Tender. The Academy will verify the MFA with respective OEMs. If any discrepancy observe in the submitted MFA, severe administrative action may be taken against that firm.
11. **Service Support:** The quoted OEM should have a **local service center** to attend the calls within 2 or 3 hours. Contact Details of the Service Center and Address should be mentioned. Escalation matrix for service support should be submitted
12. **Expiry date:** The supplied goods should be from latest stock by the manufacturers. It should not be became obsolete models within five years from then date of Installation.

13. ICAR – NAARM has entitlement for GST exemption for Educational Institutions.
14. **Period of Validity:** Bids shall remain valid for a period of 180 days after the date of bid opening as mentioned in the Tender Document or as may be extended from time to time. ICAR-NAARM reserves the right to reject a bid valid for a period shorter than 180 days as non-responsive, without any correspondence
15. **Rates:** Rates should be quoted per Item basis in the prescribed Price Schedule in Indian Rupees only. Rates should be **quoted as prescribed format in the Price Bid** failing which the bids are rejected.
16. **Specifications:** Full specifications and part number of the item quoted for should be indicated in the tender along with illustrated pamphlets, drawings, Brochures, catalogues etc. must be invariable enclosed wherever applicable. The supplier has to submit the compliance statement on the technical specifications in the prescribed format enclosed to this schedule.
17. **Shipment:** Shipment should be directly supplied from Manufacture to the Academy securely package at supplier's risk, unless otherwise specified.
18. **Taxes / Duties:** If taxes, duties, or any other charges over and above the rates quoted are payable by the Academy, actual / percentage of such taxes / duties / charges should be clearly indicated. The Academy is eligible for Central Excise Duty Exemption. On request of the bidder This Academy will issue a certificate in this regard.
19. **Registration of GST:** Necessary declaration on the following line should be furnished: "Certified that the goods on which GST is chargeable have not been exempted under the relevant GST Act or rules made there under and the charges on account of GST on these goods are correct under the relevant act or rules made there under. A valid GST Registration Certificate must be enclosed along with the declaration
20. **Warranty:** The Equipment/goods supplied should be under comprehensive warranty for three years or as specified in the schedule of requirement from the date of installation and acceptance by the academy as specified in the Schedule of Requirements. However, the manufacturer's warranty, which exceeds the period specified in the Schedule of Requirements, should be extended accordingly.
21. **Penalty:** Security deposit submitted by the bidder will be forfeited, if the bidder/OEM fails to give service support during the warranty period as specified in the Tender document and the firm will not be allowed to participate in any Tender for the next three (03) years
22. **Enquiry's on tender:** Any enquiry's regarding the tenders will not be entertained once the tenders are opened.
23. **Acceptance of tender:** Director, ICAR-NAARM reserves the right to accept or reject any of the tenders either in part or in full without assigning any reason thereof.

24. **Quantities:** Director, ICAR-NAARM reserves the right to reduce or increase the work order / quantity at the time of placing the Purchase Order.
25. **Decision:** The Decision of the Director, ICAR-NAARM on any dispute in the matter will be final and legally binding.
26. **Jurisdiction:** All disputes including court proceedings shall be settled within the Hyderabad jurisdiction only.
27. **Rejection of tenders:** Tenders not complying with any one of the above conditions, are liable to be rejected. No correspondence in this regard will be entertained.
28. In the event of the date & time specified for tender receipt being declared as a closed holiday for purchaser's office, the due date for submission of tenders will be the following working day at the specified timings.

29. Bid Evaluation Process

The Bid Evaluation will be carried out in 2 stages:

Stage 1 – At this stage, Eligibility Criteria as per the check list and Technical Bid will be evaluated. Only those Bidders who have submitted all the required forms, relevant papers to support the eligibility criteria conditions and Datasheets of the quoted products and comply with the eligibility criteria and technical specifications will be considered for further evaluation.

Stage 2 – At this stage, those Bidders who qualify the eligibility and technical criteria will be evaluated further to finalize the successful Bidder.

30. Late submission of tenders & unsigned tenders shall not be entertained at any cost after specified date & time as indicated. **The tenders without EMD amount will not be considered.**
31. Director, ICAR-NAARM reserves the right to accept or reject any or all the tenders. Decision of the Director will be final and legally binding.

IMPORTANT NOTE: The bidder should submit the Tender Document along with Earnest Money Deposit (EMD) including schedule of requirements and technical specification item wise price mentioned in the Tender Document. The bid must be accompanied with earnest money deposit in the form of DD. In any case the bid without EMD/DD will not be entertained.

Asst. Admn. Officer (S&P)



CHECK LIST FOR ELIGIBILITY CRITERIA

Please give page numbers to the tender document and all enclosures and also verify the following documents before submission of the tender in the sequence listed below, to avoid rejection or disqualification of your tender.

PLEASE NOTE THAT ALL RELATED XEROX COPIES MAY PLEASE BE ENCLOSED WITH THE TENDER DOCUMENT AS A PROOF

S.No.	List of the Documents to be enclosed with the Tender	Page No.	Enclosed (Yes/No)
1.	Earnest Money Deposit: EMD should be drawn on any Commercial Bank as indicated in the notice inviting tenders in favour of "ICAR UNIT – NAARM A/c" vide EMD D.D. No. _____ Dated: _____ for Rs. _____		
2.	The entire original tender document with seal and signature on each page at the time of submission of tender document(s) within the due date and the terms and conditions should strictly be followed before submitting the tender.		
3.	Registration certificate of the Firm		
4.	NSIC/MSME certificate registered with NSIC/MSME (if applicable) to be enclosed		
5.	Certificates of registration for GST issued by appropriate Government for the required sales with the seal of the tenderer to be enclosed.		
6. (a)	Experience: Existence of Firm should have minimum of 3 years in supply and installation of similar equipment and services (Proof of Document should submit)		
(b)	Performance: Minimum of 03 Purchase Orders for supply and installation of the similar Indoor and Outdoor Wi-Fi Access Points in Govt. of India, State Govt. Public or Private Sector Enterprises for worth of minimum Order Value Rs.10 lakhs for the past three years.		
(c)	The bidder should submit the Satisfactory Performance Certificates from the respective clients along with the completion report and complete contact details.		
7.	The firm should submit Income Tax returns of previous 03 assessment years i.e., 2015-16, 2016-17 & 2017-18 along with the tender document.		

S.No.	List of the Documents to be enclosed with the Tender	Page No.	Enclosed (Yes/No)
8.	Annual Turnover minimum of Rs.1.00 crore in the past 03 years. Proof in the form of a certificate from registered Auditor only		
9.	Manufacturers Authorization Form (MAF) direct from OEM must be submitted along with Tender Document		
10.	There should be 24x7 Technical Support from direct OEM for any technical issue for all the supplied products and the bidder has to submit the authorization letter from the OEM to that effect		
11.	The bidder has to submit the Warranty Certificate under taking from OEM		
12.	The Firm should not be blacklisted in last 05 years by Central Government/State Govt., Public or Private Sector Enterprises. The bidder should submit an undertaking in this regard		
13.	The bidder should Provide formal training to the ICAR-NAARM personnel for monitoring and managing the devices. The bidder has to submit the authorization letter from the OEM or its authorized training partner to that effect		
14.	Tender Form – Annexure – I		
15.	Technical Specification Compliance – Annexure – II		
16.	Data sheet for the quoted products with photo		
17.	Price Bid – Annexure – IV		
18.	Any other document or information as required in the tender document.		
		No. of Total Pages : _____	

If any of the documents of the above not submitted with in the technical bid, the quote will be rejected.

Signature and Seal of the Bidder: _____

Business Address: _____

SCOPE OF WORK

1. The scope of work includes supply, installation, commissioning, maintenance and integration of Quoted **Indoor and Outdoor Wi-Fi Access Points**, with the existing Network Router model CISCO ME3800X, Switches i.e Dell make and firewall from SOPHOS XG 310 with onsite support as mentioned in the specifications.
2. The devices should have onsite comprehensive support from the OEM for a period of 3 years from the date of acceptance or as per the schedule of requirement.
3. The equipment quoted by bidder should not be declared as EOL or EOS by the OEM for next five years' period. In the event of the supplied equipment being declared as EOL or EOS within the period of 5 years from the date of commissioning of the equipment, the bidder has to replace the equipment with new equipment having equivalent or higher configurations.
4. The bidder ensures that after installation and commission of the quoted products, high availability for the CORE LAN network and various failovers scenarios need to consider.
5. Supply, installation and commissioning of **Indoor and Outdoor Wi-Fi Access Points** with existing infrastructure.
6. Supply, implement and manage control of all the **Indoor and Outdoor Wi-Fi Access Points** remotely by configuring one of the access point act as a controller to manage and control all other WiFi Access Points at ICAR-NAARM sites.
7. Necessary configuration for ICAR-NAARM network including L2/L3 protocols, security policies, NATing features etc.,
8. Provide documentation and template for conducting UAT (User Acceptance test).
9. The resolution time for hardware related issue of network core devices NBD. There should be 24x7 Technical Support from direct OEM for any technical issue for all the supplied products and the bidder has to submit the authorization letter from the OEM to that effect.
10. Bidder/OEM has to provide Industry Qualified and Trained engineers at the ICAR-NAARM Data center during the process of Installation and Configurations of **Indoor And Outdoor Wi-Fi Access Points** and ensure that the activity is carried out strictly in accordance with the Industry Best Followed Practices and guidelines provided by ICAR-NAARM
11. Provide formal training to the ICAR-NAARM personnel for monitoring and managing the devices.
12. All the hardware and software deployed under this project by the Bidder should be IPv4 and IPv6 enabled. ICAR-NAARM may decide the implementation of IPv6 at any stage during the contract period and Service Provider should assist this activity during non-business hours

SCHEDULE OF REQUIREMENT

S.No	Item Description	Quantity
I. Active Components for Wifi Connectivity		
1.	Indoor Wi-Fi Access Point with MU-MIMO (multi-user, multiple input, multiple output) feature, Built-in Dual Radio Integrated Antenna, Built-in Controller Management and. Three Years On-site Comprehensive warranty and support	20 Nos
2.	Outdoor Wi-Fi Access Point with MU-MIMO (multi-user, multiple input, multiple output) feature, Built-in Dual Radio Integrated Antenna, Built-in Controller Management. Three Years On-site Comprehensive warranty and support	05 Nos
3.	Built-in Control Management Software License per Access Points	25 Nos.
4.	Flat Surface Wall / Ceiling Mount Kit for Indoor Access Points with necessary accessories	20 Nos.
5.	Pole / Wall Long Mount Kit for Outdoor Access Points	05 Nos.
II. Passive Components for Wi-Fi Connectivity		
6.	Cat 6 UTP Cable (@300 meters / Box)	4 Boxes
7.	RJ45 Connectors (100 Nos /Pack)	2 Packs
8.	RJ45 Connectors -STP (100 Nos /Pack)	1 Pack
9.	Cable Laying charges for both Indoor & Outdoor Wi-Fi Access Point with necessary accessories (Cost per meter)	As per Actuals
10.	Supply and Fixing of 5 meters Pole, 4-inch diameter	5 Nos

TECHNICAL SPECIFICATIONS

A. Active Components

1. Indoor Wi-Fi Access Point with MU-MIMO (multi-user, multiple input, multiple output) feature, Built-in Dual Radio Integrated Antenna

SNo	Specification
1.	Type of Access Point - Stand alone
2.	Deployment - Indoor Access Point
3.	Mounting - Ceiling/wall Mounting with mounting Kit
4.	Antenna Type - Internal
5.	Number Of Radios - Dual
6.	Frequency Band - 2.4 GHz & 5.0 GHz
7.	Supported Wi-Fi standards - 802.11ac Wave 2
8.	Aggregated data rate Up to (Mbps)- 1600
9.	MU-MIMO should be available
10.	Number of MIMO supported & Spatial Streams - 3x3:3
11.	Supported Encryption WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, EAP-TLS
12.	Dedicated Console Port should be available
13.	Features - Radio Resource Management for power channel, coverage hole detection and performance optimization
14.	Support for Load Balancing between 2.4Ghz and 5 Ghz
15.	Number of WLAN (SSID) per AP up to 16
16.	Maximum clients Nos 256 Per radio
17.	Support for Autonomous access-point option
18.	Number of USB Port - One or More
19.	Number of 10/100/1000 port 1
20.	"Support for Bluetooth Low Energy (BLE) support on AP" Available
21.	Quality of service for Unified Communication apps - Yes
22.	automatically assigns channel and power settings Yes
23.	Operate as a sensor for wireless IPS Available
24.	Support for Rogue access point detection Available
25.	WPC certified Available
26.	Standards : Wi-Fi Alliance (WFA) certified 802.11a/b/g/n/ac
27.	Maximum (worst-case) power consumption 13W (PoE) or 11W (DC)
28.	Built-in controller support for Minimum 120 Access Points.
29.	Built-in IPv6 support for Controller software as well as Access Points Available
30.	Flat Surface Wall / Ceiling Mount Kit should be provided
31.	Warranty - Three Years onsite Comprehensive warranty and support

2. Outdoor Wi-Fi Access Point with MU-MIMO (multi-user, multiple input, multiple output) feature, Built-in Dual Radio Integrated Antenna

SNo	Specification
1.	Type of Access Point - Stand alone
2.	Deployment - outdoor Access Point
3.	Mounting – Pole / Wall mounting with mounting kit
4.	Antenna Type - Internal
5.	Number Of Radios- Dual
6.	Frequency Band - 2.4 GHz & 5.0 GHz
7.	Supported Wi-Fi standards - 802.11ac Wave 2
8.	Aggregated datarate Up to (Mbps) - 1270
9.	Support for MU-MIMO - Should be Available
10.	Number of MIMO supported & Spatial Streams - 2x2:2
11.	Supported Encryption WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, EAP-TLS
12.	One Dedicated Console Port
13.	Feature - Radio Resource Management such for power channel, coverage hole detection and performance optimization
14.	Support for Load Balancing between 2.4Ghz and 5 Ghz should be Available
15.	Support for Autonomous access points
16.	Number of 10/100/1000 port 1
17.	"Support for Bluetooth Low Energy (BLE) support on AP" Available
18.	Quality of service for Unified Communication apps Available
19.	automatically assigns channel and power settings Yes
20.	Operate as a sensor for wireless IPS Available
21.	Support for Rogue access point detection Available
22.	WPC certified Available
23.	Wi-Fi Alliance (WFA) certified 802.11a/b/g/n/ac Available
24.	Environmental Standard : IP66/67 Available
25.	Built-in controller support for Minimum 120 Access Points.
26.	Built-in IPv6 support for Controller software as well as Access Points
27.	Outdoor Pole / Wall long Mounting kit should be provided
28.	Warranty - Three Years onsite Comprehensive warranty and support

3. Built-in Control Management Software License per Access Points

The software and license enables to make any one of the Access Point may act as controller to management and monitoring other indoor and outdoor access points remotely. This license should support upto 25 Nos. of Access Points both outdoor and indoor

4. Flat Surface Wall / Ceiling Mount Kit for Indoor Access Points with necessary accessories

The indoor Access point mounting kit should be suitable for Item 1.

5. Pole / Wall Long Mount Kit for Outdoor Access Points

Based on the location of the Outdoor Access Points the bidder has to provide either Pole Mounting or Long Surface Wall Mounting. If pole Mounting is suggested then the Pole should be 5 meters long and 4 inch diameter. The pole should be fixed with 3 feet depth from the ground surface and filling with cement and concrete mixture with water proof .

II. Passive Components

6. Cat 6 UTP Cable (@300 meters / Box) for Indoor Access Points – MNC brand UTP cable of 300 meters length per box.
7. RJ45 Connectors - MNC Brand
8. RJ45 Connectors -STP – MNC Brand

Statement of Compliance

A. Active Components

1. Indoor Wi-Fi Access Point with MU-MIMO (multi-user, multiple input, multiple output) feature, Built-in Dual Radio Integrated Antenna

Quoted Make and Model:

SNo	Specification	Compliance (Yes / No)	Deviations (if any)
1.	Type of Access Point - Stand alone		
2.	Deployment - Indoor Access Point		
3.	Mounting - Ceiling/wall Mounting with mounting Kit		
4.	Antenna Type - Internal		
5.	Number Of Radios - Dual		
6.	Frequency Band - 2.4 GHz & 5.0 GHz		
7.	Supported Wi-Fi standards - 802.11ac Wave 2		
8.	Aggregated data rate Up to (Mbps)- 1600		
9.	MU-MIMO should be available		
10.	Number of MIMO supported & Spatial Streams - 3x3:3		
11.	Supported Encryption WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, EAP-TLS		
12.	Dedicated Console Port should be available		
13.	Features - Radio Resource Management for power channel, coverage hole detection and performance optimization		
14.	Support for Load Balancing between 2.4Ghz and 5 Ghz		
15.	Number of WLAN (SSID) per AP up to 16		
16.	Maximum clients Nos 256 Per radio		
17.	Support for Autonomous access-point option		
18.	Number of USB Port - One or More		
19.	Number of 10/100/1000 port 1		
20.	"Support for Bluetooth Low Energy (BLE) support on AP" Available		
21.	Quality of service for Unified Communication apps - Yes		
22.	automatically assigns channel and power settings Yes		
23.	Operate as a sensor for wireless IPS Available		
24.	Support for Rogue access point detection Available		
25.	WPC certified Available		
26.	Standards : Wi-Fi Alliance (WFA) certified 802.11a/b/g/n/ac		
27.	Maximum (worst-case) power consumption 13W (PoE) or 11W (DC)		
28.	Built-in controller support for Minimum 120 Access Points.		
29.	Built-in IPv6 support for Controller software as well as Access Points Available		
30.	Flat Surface Wall / Ceiling Mount Kit should be provided		
31.	Warranty - Three Years onsite Comprehensive warranty and support		

Signature and Seal of the Bidder: _____

Business Address: _____

2. Outdoor Wi-Fi Access Point with MU-MIMO (multi-user, multiple input, multiple output) feature, Built-in Dual Radio Integrated Antenna

Quoted Make and Model:

SNo	Specification	Compliance (Yes / No)	Deviations (if any)
1.	Type of Access Point - Stand alone		
2.	Deployment - outdoor Access Point		
3.	Mounting – Pole / Wall mounting with mounting kit		
4.	Antenna Type - Internal		
5.	Number Of Radios- Dual		
6.	Frequency Band - 2.4 GHz & 5.0 GHz		
7.	Supported Wi-Fi standards - 802.11ac Wave 2		
8.	Aggregated datarate Up to (Mbps) - 1270		
9.	Support for MU-MIMO - Should be Available		
10.	Number of MIMO supported & Spatial Streams - 2x2:2		
11.	Supported Encryption WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, EAP-TLS		
12.	One Dedicated Console Port		
13.	Feature - Radio Resource Management such for power channel, coverage hole detection and performance optimization		
14.	Support for Load Balancing between 2.4Ghz and 5 Ghz should be Available		
15.	Support for Autonomous access points		
16.	Number of 10/100/1000 port 1		
17.	"Support for Bluetooth Low Energy (BLE) support on AP" Available		
18.	Quality of service for Unified Communication apps Available		
19.	automatically assigns channel and power settings Yes		
20.	Operate as a sensor for wireless IPS Available		
21.	Support for Rogue access point detection Available		
22.	WPC certified Available		
23.	Wi-Fi Alliance (WFA) certified 802.11a/b /g/n/ac Available		
24.	Environmental Standard : IP66/67 Available		
25.	Built-in controller support for Minimum 120 Access Points.		
26.	Built-in IPv6 support for Controller software as well as Access Points		
27.	Outdoor Pole / Wall long Mounting kit should be provided		
28.	Warranty - Three Years onsite Comprehensive warranty and support		

Signature and Seal of the Bidder: _____

Business Address: _____

3. Built-in Control Management Software License per Access Points

Quoted Make and Model:

SNo	Specification	Compliance (Yes / No)	Deviations (if any)
1.	The software and license enables to make any one of the Access Point may act as controller to management and monitoring other indoor and outdoor access points remotely		
2.	This license should support upto 25 Nos. of Access Points both outdoor and indoor		

4. Flat Surface Wall / Ceiling Mount Kit for Indoor Access Points with necessary accessories

SNo	Specification	Compliance (Yes / No)	Deviations (if any)
1	The indoor Access point mounting kit should be suitable for Item 1.		

5. Pole / Wall Long Mount Kit for Outdoor Access Points with necessary accessories

SNo	Specification	Compliance (Yes / No)	Deviations (if any)
1.	Based on the location of the Outdoor Access Points the bidder has to provide either Pole Mounting or Long Surface Wall Mounting.		
2.	If pole Mounting is suggested then the Pole should be 5 meters long and 4 inch diameter		
3.	The pole should be fixed with 3 feet depth from the ground surface and filling with cement and concrete mixture and Protect the Access point from weather .		

II. Passive Components

SNo	Specification	Compliance (Yes / No)	Deviations (if any)
1.	Cat 6 UTP Cable (@300 meters / Box) for Indoor Access Points – MNC brand UTP cable of 300 meters length per box.		
2.	RJ45 Connectors MNC Brand		
3.	RJ45 Connectors -STP		

Annexure -I

Existence of Firm should have minimum of 05 years in supply, installation, commissioning, maintenance and integration of Quoted **Indoor And Outdoor Wi-Fi Access Points** Document proof to be submitted

Annexure – II

The firm should be an OEM authorized partner for the last Five Years. Proof of Document to be submitted from OEM

Annexure – III

Minimum of 03 Purchase Orders for supply, installation, commissioning, maintenance and integration of Quoted **Indoor And Outdoor Wi-Fi Access Points** in Govt. of India, State Govt. Public or Private Sector Enterprises for the past three years. Document proof to be submitted.

Annexure – IV

The bidder should submit the Satisfactory Performance Certificates from the respective clients along with the completion report and complete contact details. Document proof to be submitted.

Annexure - V

The firm should submit Income Tax returns of previous 03 assessment years i.e., 2016-17, 2017-18 & 2018-19 along with the tender document. Document proof to be submitted

Annexure - VI

The bidder should be a profit (profit after tax) making company in last three financial years i.e. 2016-17, 2017-18, and 2018-19. Submit Profit and loss statement for the past three years duly certificate by registered Auditor

Annexure – VII

The bidder should be authorized to quote for the OEM products and support. Manufacture authorization from OEM should be enclosed.

Annexure – VIII

The quoted OEM should have a local service center to attend the calls within 4 hours. Contact Details of the Service Center and Address should be mentioned

Annexure – IX

The bidder should submit following Tender Form on Firm's Letterhead.

Annexure –X

The bidder should submit the item wise Technical Specification Compliance statement along with the relevant datasheet.

Annexure – X1

The Firm should not be blacklisted in last 05 years by Central Government/State Govt., Public or Private Sector Enterprises. The bidder should submit an undertaking in this regard.

Annexure – XII

Statement of Compliance in the prescribed format as mentioned above (Pages from 19-33) duly signed by the bidder along with the datasheets, failing which the bid will be rejected.

TENDER FORM

(To be filled in by the Tenderer duly printed on their letter head)

Tenderer's Ref.No. _____ Date: _____

From: _____

Grams: _____

Phone No. _____

PIN _____

Fax No. _____

To

The Director

ICAR-NAARM, Rajendranagar,

HYDERABAD – 500 030

Ref: Your Tender Notice Advt. No. _____ dated-----.

Dear Sir,

I/We hereby offer for your requirements detailed in the schedule hereto or such portion thereof as you may specify in the Acceptance of Tender at the **rates given in the said schedule and agree to hold this offer for 90 days for acceptance.** I/We shall be bound by a communication of Acceptance dispatched within the prescribed time and also execute agreement required in this regard.

2. I/We have understood the Instructions to Tenderers and General Conditions of Contract governing such contracts placed by Indian Council of Agricultural Research and its Research Institutes and the Special Conditions of Contract, and have thoroughly examined the details indicated in the Schedule to Tender thereof and am/are fully aware of the goods and/or services required and my/our offer to work/supply/provide the goods and/or services strictly is in accordance with the requirements.

3. D.D.No. _____ Dt. _____ for Rs. _____ (in words) Rupees
_____ only) drawn on (Bank)
_____ is enclosed towards Earnest Money Deposit.

The following pages have been added to and form part of this tender.

Yours faithfully,

Signature: _____

Name: _____

Address: _____

Signature and Seal of the Bidder: _____

Business Address: _____