भारतीय प्रौद्योगिकी संस्थान तिरुपति
Indian Institute of Technology Tirupati
Renigunta Road, Settipalli Post, Tirupati – 517506
Telephone: 0877- 2503572, Email: purchase@iittp.ac.in

Tender No. IITT/CC/2022-23/17 **11th May 2022**

NOTICE INVITING TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF WIRELESS ACTIVE COMPONENTS

(E-PROCUREMENT MODE ONLY)

Indian Institute of Technology Tirupati (IIT Tirupati) invites online bids (e-tender) in Two bid system from eligible Class-I & Class-II in line with Government Public Procurement order No.P-45021/2/2017-BE-II dated: 04.06.2020 for the following:

S No	Item Description	Quantity (approx.) in Nos	Tender Fee (Inclusive of all taxes in Rs.)
1	Wireless Network Controller (WLC)	02	2500/-
2	WiFi AP 8x8	110	
3	WiFi AP 4x4	670	

Splitting of items and quantities are not allowed. Vendor has to quote for all items compulsorily.

The Tender Document can be downloaded from Central Public Procurement (CPP) Portal http://eprocure.gov.in/eprocure/app and the bid is to be submitted online only through the same portal up to the last date and time of submission of tender.

Critical Dates of Tender:

SL NO	PARTICULARS	DATE	TIME
01	ONLINE PUBLICATION/DOWNLOAD OF TENDER	11.05.2022	18.00 hrs
02	CLARIFICATIONS START DATE	11.05.2022	18.00 hrs
03	CLARIFICATIONS END DATE	17.05.2022	18.00 hrs
04	UPLOADING OF CORRIGENDUM/CLARIFICATIONS AFTER THE RECEIPT OF QUERIES (IF ANY)	20.05.2022	18.00 hrs
05	BID SUBMISSION START DATE	21.05.2022	10.00 hrs
06	BID SUBMISSION DEADLINE	13.06.2022	15.00 hrs
07	TECHNICAL BID OPENING	14.06.2022	15.00 hrs
08	OPENING OF THE FINANCIAL BID	To be announced later	

- QUERIES RELATED TO THE TENDER DOCUMENT MAY BE FORWARDED TO mahendran@iittp.ac.in with cc to purchase@iittp.ac.in AS PER THE FORMAT PROVIDED IN THE ANNEXURE-IX BEFORE THE CLARIFICATIONS END DATE. FURTHER QUERIES AFTER **17.05..2022@18.00** HRS WILL NOT BE CONSIDERED.

1. About IIT TIRUPATI:

Indian Institute of Technology Tirupati (IIT Tirupati) is an Autonomous Institute under Ministry of Education, Govt. of India.

2. Technical Specifications: Schedule of requirement

Technical Specifications of the Wireless Active Components, OEM Criteria, Network Functionality Requirements
Permanent Campus Phase I
IIT Tirupati

Network Functional Requirements (Wireless):

SNo	Network Functional Requirement (Wireless)
1	The users and devices should be given access to only specific resources and denied access to others based on their unified login credentials from central LDAP, the necessary hardware/software for deployment of LDAP to be part of the overall solution.
2	The wireless controllers / APs shall support the upgrades, patches while serving the clients without impacting the wireless services, similarly, the AP upgrades to be done in select groups of access points to be upgraded in succession, while leaving other access points online, to serve clients during the upgrade, the proposed solution should support the feature.
3	Solution should provide 24X7X365 TAC support and 8X5 Next business day replacement
4	All devices to have Common Criteria Certification such as EAL/NDPP
5	All WiFi devices to be WiFi6 certified by WiFi alliance.
6	All WiFi device to support BT5/Zigbee support from Day1
7	The WLC controller to support 1:1 redundancy from Day1
8	Each WLC controller to support a minimum of 30K concurrent clients from Day1
9	All of the networking products should be supported with "Malicious code free" authorization letter legally vetted by the OEM
10	All APs and WLCs are to be from single OEM
11	APs are to be mounted on the hard ceiling. Compatible mounting brackets to be provided to mount APs at the height of 2.8m from the ground.

Commissioning Requirements (Wireless):

SNo	Commissioning Requirements (Wireless)
1	Supply, installation, testing, and commissioning of active components for the campus.
2	Successful bidder should conduct on-site survey to plan WiFi deployment in each floor of every building, and an OEM certified head map to be submitted.

3	Successful bidder should show bandwidth results report mainly on wireless, through utilities like iperf with users at farthest location (w.r.t) each APs.
4	Successful bidder should submit a separate HLD/LLD document WiFi which is validated by OEM.
5	Labeling of APs, WLCs, matching with corresponding patch panel ports to be done.
6	Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures, and standard accessories normally provided with such equipment and/or needed for erection, completion, and safe operation of the equipment as required by applicable codes though they may not have been specifically detailed in the tender document, unless included in the list of exclusions.
7	The successful bidder shall be responsible for providing all materials, equipment's, necessary software, licenses, drivers and services or otherwise, which are required to fullfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within the quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force on the date of the award of this contract.
8	The scope covers preparation pre-dispatch/inspection/testing, packaging, forwarding, transportation and carrying out further activities at viz unloading, storage, (space provided by IITT) further handling, erection, testing and commissioning including successful completion of acceptance tests and any other services specified.
9	The installation of equipment is considered as completed only after successful commissioning and testing done by the successful bidder, and certified by the designated team of IITT.
10	Successful bidder to submit the make, and model of the proposed equipment with detailed data sheets.
11	The warranty services will start only after installation and commissioning of the complete solution.
12	All features minimum specifications and functional features to be shown for IITT after completion of installation and commissioning, and a report of the same to be submitted to IITT

OEM Criteria for Wireless:

SNo	Pre-qualification criteria
1	Similar deployment in India - OEM should have deployed wireless networking solutions in at least one large CFTI/publicly listed large enterprise with minimum 1000 access points successfully deployed in each of these organisations for a minimum of one year. Proof to be submitted in the form of Purchase orders/completion certificate from end customer along with contact details of end customer (for verification by IIT).
2	Products proposed should have been released and shipments commenced at least 12 months before date of bid
3	OEM should provide an undertaking that the proposed models will not be declared end of life for the next 2 years and spares support for the models offered will be available for a period of 7 years from the date of bid submission
4	Warranty - 3 years on site support from OEM/bidder from the date of installation and commissioning of supplied line items. Warranty should include advance replacement of faulty parts, labour and on site support to resolve issues within SLAs defined by IIT.

<table>
<tr><td>5</td><td>AMC - AMC to be quoted for a period of 2 years post warranty period and IIT reserves the right to enter into AMC with L1 bidder post warranty period at the prices quoted in the bid. Support during the AMC period will include back lining with OEM, advance replacement of faulty parts, labour and on site support to resolve issues reported by IIT within the SLA defined by IIT. Bidder to undertake preventive maintenance visits once every 6 months and do patch updates and updates to the latest version in the wireless controller / access points during these visits.</td></tr>
<tr><td>6</td><td>OEM support - OEM should provide direct TAC support to IIT as and when required during the warranty and AMC period.</td></tr>
<tr><td>7</td><td>OEM participation - OEM should participate via only one authorised partner in this bid. MAF to be provided to the authorised partner and OEM should submit an undertaking that they will support IIT directly if the partner fails to fulfil their contractual obligations with respect to support during warranty or AMC period.</td></tr>
<tr><td>8</td><td>Bidder should have ISO 9001 / ISO 27001 certification</td></tr>
<tr><td>9</td><td>Bidder should have a support office in Telangana / AP / TN/ KA</td></tr>
<tr><td>10</td><td>Bidder should submit MAF specific to the bid from the OEM</td></tr>
<tr><td>11</td><td>OEM should not be blacklisted in India in the last three years.</td></tr>
<tr><td>12</td><td>All wireless active networking components (APs and WLCs) should be from the same OEM.</td></tr>
<tr><td>13</td><td>OEM to deliver the stage-wise release of components after the release of PO as per the following schedule. In any case, if items couldn't be supplied for valid reasons within the specified timelines, the successful bidder has to provide a standby arrangement to make the network up and running by providing the functional items as mentioned in the ‘standby items’ column following table. The standby items need not be from a single OEM. It is to be noted that all standby arrangements are to be made without imposing any financial commitments to IITT.
<table>
<tr><th>Stage</th><th>Actual Items Required (Qty.)</th><th>Delivery Period (from PO)</th><th>Minimal Standby Items (manageable switches only)</th></tr>
<tr><td>1</td><td>a. WLC (1 no)
b. WiFi 4x4 (205 nos)
c. WiFi 8x8 (12 nos)</td><td>6 Weeks</td><td>i. PoE+ APs (36 Nos)</td></tr>
<tr><td>2</td><td>a. WLC (1 no)
b. WiFi 4x4 (198 nos)
c. WiFi 8x8 (12 nos)</td><td>12 Weeks</td><td>i. PoE+ APs (36 Nos)</td></tr>
<tr><td>3</td><td>All of the remaining</td><td>16 Weeks</td><td>N.A.</td></tr>
</table>
</td></tr>
</table>

Item No.1 “WLC”

S.No	WLC Technical Specifications

1	AP should be able to tunnel traffic to remote location to WLC/tunnel aggregator device using protocols like VxLAN/EoGRE/L2TP/capwap/GRE
2	Proposed WLC should be on premise solution
3	Support for new Wi-Fi 6 (802.11ax), WPA3 and Enhanced Open and existing standards
4	WLC should have capability to host 1000 APs from day 1 and scalability of upto 2000 Access points without changing the hardware in future.
5	WLC should support 30K or more clients
6	WLC/ WLAN Tunnel aggregator devices should have 4 nos of 1/10G SFP+ to connect to LAN
7	Should support multiple redundancy models like 1+1. On Premise WLC Must support 1+1 or N+1 redundancy
8	WLC Must support an ability to dynamically adjust channel, power settings and airtime, based on the RF environment. Radio coverage algorithm must allow adjacent WAPs to operate on different channels, in order to maximize available bandwidth and avoid interference.
9	Wireless Controller should support Access Control based on Identity/Role/ Device/Time or Application.
10	WLC should have 4K VLANs
11	should supports IPSec/SSL encryption standards
12	Should support coverage hole detection and correction that can be adjusted on a per WLAN basis.
13	Should support RF Management with 20, 40, 80 & 160 MHz channels
14	Should support Access Control Lists (ACLs).
15	Should support built-in /URL redirection for web authentication
16	Should be able to set a maximum per-user bandwidth limit on a per-SSID basis.
17	Should provide Mesh capability for Mesh supported AP
18	Must support client roaming as per IEEE standard 802.11r or WLC/APs across layer3 routed boundaries
19	Should support spectrum analysis and be able to classify different types of interference.
20	Should provide multiple real-time charts/log showing interferers per access point, on a per- radio, per-channel basis.
21	System should provide real-time troubleshooting and visualization. Any specialized hardware and software required for the same should be provided by the vendor.
22	WLC should have Application Visibility and Control (AVC).
23	Support for configuring media streams with different priority to identify specific video streams for preferential QoS treatment.
24	To deliver optimal bandwidth usage, reliable multicast must use a single session between AP and Wireless Controller.
25	Should support IPv4 & IPv6.
26	For smooth, seamless and easy manageability, operation, interoperability and maintenance, the bidder should offer/quote WLC & WAPs of the same make (OEM).

27	Solution should support application visibility and control from day one (applications like Social Media, Video Streaming , Video Conferencing apps, etc)
28	The solution should detect and automatically prevent all types of Rogue (unauthorized APs connected to the network) APs from Day 1, such as: a) APs such as Bridge and NAT b) MAC-adjacent Open/Encrypted Wi-Fi routers c) Non-MAC-adjacent OPEN Wi-Fi routers d) Non-MAC adjacent APs having MAC ACLs
29	Complete WIPS/WIDS support required from Day 1, via integrated or through external appliance
30	The solution should support location tracking of all wireless devices (APs and Clients) on floor maps loaded on the Management controller from Day 1. No internet based location services should be utilised (Google and other online maps)
31	The solution must support Automatic packet capture in event of a client failure
32	The WLAN management plane should support a visual hierarchical location tree, where the nodes of the location tree inherit settings and configuration from the global level into subsequent levels in the hierarchy. The solution must also provide hierarchical alerts wherein sub-events are correlated under parent incident alert thereby enabling event correlation.
33	The solution should support automated root cause analysis of WiFi issues such as low RSSI, low data rate, Authentication related issues on per client basis.
34	The solution should highlight client connection failures during association, authentication and network entry. It should also identify the cause of failure.
35	The Solution shall support Hitless/rolling, AP upgrade feature from Day 1
36	The solution must be able to detect and automatically prevent all Wi-Fi enabled devices such as smartphones bridging / ICS when connected to the network

Item No.2 "WiFi AP with 4x4 on 2.4GHz and 8x8 on 5GHz"

S.No	WiFi6 AP 4x4 on 2.4GHz and 8x8 on 5GHz - Technical Specifications
1	Access Point shall support 4x4 on 2.4GHz and 8x8 on 5Ghz
2	Access Point shall be able to powered up using PoE (.af)
3	Access Point shall support assurance, packet capture, RF sensing capabilities
5	Access Point shall support encrypted traffic visibility
4	Access Point shall support application visibility and control
6	Access Point should have BLE/Zigbee radio to support use cases of location, asset tracking and analytics, from Day1
7	Access Point shall ship with metal-based mounting bracket for durability and reliability
8	Access Point shall be able to leverage current Access Point mount kit and cable conduit
9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection

10	Access Point should have 1x 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz
11	Access Point should have a USB port for future requirements.
12	Must Support min. PHY data rate upto 5 Gbps.
13	Must support a minimum of 23dBm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.
14	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.
15	Must incorporate radio resource management for power, channel and performance optimization
16	Must have -97 dB or better Receiver Sensitivity.
17	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.
18	Must support Management Frame Protection.
19	Must support the ability to serve clients and monitor the RF environment concurrently.
20	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.
21	Must be plenum-rated (UL2043).
22	Access Point must continue serving clients when the link to the controller is down. It should also have the option to authenticate users through the Radius server directly from Access Point during link unavailability to the controller.
23	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.
24	Must support 802.11e and WMM
25	Must support QoS and Video Call Admission Control capabilities.
26	Access point should be wifi 6 certified.
27	Must support downlink and uplink OFDMA
28	Must support TWT & BSS coloring
29	Must support WPA3 - enterprise 192 bit encryption
30	Peak integrated antenna gain on each radio with min. 4dBi on 4x4 and min. 5dBi on 8x8

Item No.3 “WiFi AP 4x4 on both radios”

S.No	WiFi6 AP 4x4 on dual radio - Technical Specifications
1	Access Point shall support 4X4 MIMO on 2.4GHz, 4X4 MIMO on 5GHz
2	Access Point shall be able to powered up using PoE (.af)
3	Access Point shall support assurance, packet capture, RF sensing capabilities
4	Access Point shall support application visibility and control

5	Access Point shall support encrypted traffic visibility
6	Access Point should have BLE radio/Zigbee to support use cases of location, asset tracking and analytics, from Day1.
7	Access Point shall be able to leverage current Access Point mount kit and cable conduit
8	Access Point shall support Console port that uses Standard Port (RJ-45) type connection
9	Access Point should have 1x 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz
10	Access Point should have a USB port for future requirements.
11	Must Support min. PHY data rate upto 3 Gbps or more
12	Must support a minimum of 23dBm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.
13	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.
14	Must incorporate radio resource management for power, channel and performance optimization
15	Must have -97 dB or better Receiver Sensitivity.
16	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.
17	Must support Management Frame Protection.
18	Must support the ability to serve clients and monitor the RF environment concurrently.
19	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.
20	Must be plenum-rated (UL2043).
21	Access Point Must continue serving clients when the link to controller is down. It should also have the option to authenticate users through the Radius server directly from Access Point during link unavailability to the controller.
22	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.
23	802.11e and WMM
24	Must support QoS and Video Call Admission Control capabilities.
25	Access point should be wifi 6 certified.
26	Must support downlink and uplink OFDMA

27	Must support TWT & BSS coloring
28	Must support WPA3 - enterprise 192 bit encryption
29	Peak integrated antenna gain of minimum 3.5dBi on 2.4GHz, and minimum 4dBi on 5GHz

- **Prospective bidders are informed to visit the campus of IIT Tirupati to familiarize with the various element and quality level of services that are required to be rendered.**

- **All offered products technical Specifications and Brochures are to be submitted along with the Technical Bid.**
- **The detailed scope of coverage of Warranty shall be provided in the compliance statement -Annexure-VII.**

- The Bidder shall furnish, as part of its bid, documents establishing the conformity of the Equipment that the Bidder proposes to supply under the Contract to the requirements of the Purchaser, as given in the Tender Document.

- The documentary evidence of conformity of the Equipment to the Tender Document may be in the form of written descriptions supported by Brochure / literature / diagrams / certifications, including: (a) A detailed description of the essential technical, functional and performance characteristics of the Equipment that the Bidder is proposing to supply; (b) Technical details of the major subsystems/components of the Equipment.

3. TENDER FEE & BID SECURITY DECLARATION DETAILS:

3.1 Tender Fee of Rs.2500/- (Rupees two thousand five hundred only) should be submitted through ECS (Bank transfer / NEFT / RTGS) in favour of Indian Institute of Technology Tirupati.

3.2 Bank A/c Details for crediting Tender Fee:

Name : Indian institute of Technology Tirupati Main Account
Bank : State Bank of India
Account No : 35523338208
IFSC Code : SBIN0006677

3.3 Tender Fee and Bid Security Exemption:

I) **Micro and Small Enterprises (MSEs):**

Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) **for goods produced and services rendered**, are exempted from Tender fee and Bid Security. However, they have to enclose **valid self-attested registration certificate(s)** along with the tender to this effect.

Accordingly, MSEs shall be required to submit valid **Udyam Registration Certificate** for availing benefit under MSE Procurement Policy.

The benefit as above to MSEs shall be available only for Goods produced and services rendered by MSEs. However, traders are excluded from the purview of MSE Procurement Policy.

II) **Startup(s):**

Startup(s) as recognized by **Department for Promotion of Industry and Internal Trade (DPIIT)**, Govt. of India, are exempted from Tender fee and Bid Security. However, they have to enclose ***valid self-attested registration certificate(s)*** along with the tender to this effect.

Eligible MSE and startup bidders who seeks exemption from Tender fee/Bid Security as per clause no. (c) above, if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of three years or as decided by the competent authority from being eligible to submit bids for contracts with the entity that invited the bids.

3.4 The Bidders will have to upload scanned copy of Payment details towards tender fee and the same will be accepted only on verification and confirmation by the Institute. Any delay in credit will not be entertained by the Institute. **(As per the format attached in Annexure – I)**

3.5 Other than eligible MSE and Startup bidders, Bid Security Declaration:

Bidders should have to submit the Bid Security Declaration (As per the format attached in annexure-II) in duly filled and signed condition.

4. ELIGIBILITY CRITERIA

4.1 Other Important Documents (OIDs)

Firm Incorporation Certificate, PAN details, GST details are to be provided.

4.2. Statutory Documents:

I) The Bidder should give self-declaration certificate for acceptance of all terms & conditions of tender documents. A duly completed certificate to this effect is to be submitted as per the Annexure-I.

II) The firm should not be in the active debarred list by any Central / State Government / Public Undertaking / Institute and no criminal case registered / pending against the firm or its owner / partners anywhere in India. A duly completed certificate to this effect is to be submitted as per Annexure-III.

III) **Experience and Past Performance:**

Similar deployment in India - OEM should have deployed wireless networking solutions in at least one large CFTI/publicly listed large enterprise with minimum 1000 access points successfully deployed in each of these organisations for a minimum of one year. Proof to be submitted in the form of Purchase orders/completion certificate from end customer along with contact details of end customer (for verification by IITT).The said items should have been supplied during past three financial years **i.e. during 2017-18 to 2019-20 or 2018-19 to 2020-21.** Vendor should provide satisfactory installation certificates with product details as proof with customer contacts email and phone number as per the **Annexure-IV.**

IV) The Annual Turnover should be at least **Rs. 1 Crore** and be profitable during each of the previous three financial years **i.e. during 2017-18 to 2019-20 or 2018-19 to 2020-21**. Audited financial Statements or Financial Statements showing turnover duly signed by a Chartered Accountant are to be submitted as per the **Annexure-V.**

V) **In case the bidder is a <u>Class-I / Class-II</u> in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP (BE-II) dated 04 Jun 2020 as amended from time to time. A Self-Declaration Certificate regarding "Class-I/Class-II Supplier" for the tendered items as per the Annexure-VI is to be submitted.**

As per the OM of Department of Promotion for Industry and Internal Trade No. P-45021/102/2019-BE-II-Part(1) dated: 04.03.2021. The bidders can't claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

a. 'Local Content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.

b. ‘Class-I local supplier’ means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50% as defined under this order.
c. ‘Class-II local supplier’ means a supplier or service provider, whose goods,services or works offered for procurement, has minimum local content of 20% but less than 50%, as defined under this order.
d. ‘Non-local supplier’ means a supplier or service provider, whose goods,services or works offered for procurement, has local content less than 20%, as defined under this order.
e. Complaint redressal mechanism: In case any complaint received by the procuring agency or the concerned Ministry/Department against the claim of a bidder regarding local content/domestic value addition in an electronic product, the same shall be referred to STQC.
f. The bidder shall be required to furnish the necessary documentation in support of the domestic value addition claimed in an electronic product to STQC. If no information is furnished by the bidder, such laboratories may take further necessary action, to establish the bonafides of the claim.
g. A complaint fee of Rs. 2 lakh or 1% of the value of the domestically manufactured products being procured (subject to a maximum of Rs.5 lakh), whichever is higher, to be paid by Demand Draft to be deposited with STQC. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.
h. False declarations will be in breach of the Code of Integrity under Rule 175 (1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

VI) The bidder should be OEM or OEM authorized Dealers / Channel partners / Distributors of reputed brand having authorization for sales and after sales support. Valid tender specific OEM authorization letter is required to participate in this tender.

VII) **Prior Registration and / or Screening of bidders:**

Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder registered with the competent authority. The concerned bidder(s) are required to attach the relevant valid Registration Certificate along with the bid for consideration.

“Bidder” (including the term ‘tenderer’, consultant or service provider in certain contexts) means any person or firm or company, including any member of a

consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

"Bidder from a country which shares a land border with India" for the purpose of this Order means :-

- An entity incorporated, established or registered in such a country; or
- A subsidiary of an entity incorporated, established or registered in such a country or
- An entity substantially controlled through entities incorporated, established or registered in such a country; or
- An entity whose beneficial owner is situated in such a country; or
- An Indian (or other) agent of such an entity; or
- A natural person who is a citizen of such a country; or
- A consortium of joint venture where any member of the consortium or joint venture falls under any of the above.

The detailed terms & conditions issued from time to time in this regard by Government of India will be applicable.

VIII) **Authorized Representatives:**

Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:

(i) Their principal manufacturer meets all the criteria above without exemption, and

ii) The principal manufacturer furnishes a legally enforceable tender-specific authorisation assuring full guarantee and warranty obligations as per the general and special conditions of contract;

and

iii) The bidder himself should have been associated, as authorised representative of the Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar item for past three years ending on bid opening date.

4.3 TECHNICAL CRITERIA

Bidders should comply with the specification of the tendered item in all respects. The detailed format is attached at Annexure-VII. The bidder is to complete the same in all respect and submit accordingly

5. FINANCIAL BID DETAILS

5.1 Financial bid i.e. BOQ given with tender (in **Excel format**) to be downloaded first and uploaded after filling all relevant information strictly as per the format failing which the

offer is liable for rejection. Kindly quote your offer on FOR IIT Tirupati (inclusive of all taxes and charges). **Vendor should quote prices in BOQ only, offers indicating rates anywhere else shall be liable for rejection.**

5.2 Concessional Custom Duty / Concessional GST is applicable to IIT Tirupati as a Research Institution. Necessary Certificate to this effect shall be provided by IIT Tirupati to the supplier.

6. TIME SCHEDULE:

SL NO	PARTICULARS	DATE	TIME
01	ONLINE PUBLICATION/DOWNLOAD OF TENDER	11.05.2022	18.00 hrs
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7. AVAILABILITY OF TENDER

The tender document can be downloaded from http://eprocure.gov.in/eprocure/app and be submitted only through the same website.

8. BID VALIDITY PERIOD

The bid will remain valid for 90 days from the date of opening as prescribed by IIT Tirupati. A bid valid for a shorter period shall be rejected, being non-responsive.

9. BID SUBMISSION

9.1 Instruction to Bidder

I) Bidders are required to enrol on the e-Procurement module of the **Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app)** by clicking on the link "**Online Bidder Enrolment**" on the CPP Portal. **The registration is completely free of charge**.

II) Possession of a valid Class II/III DSC in the form of smart card / e-token is a prerequisite for registration and participating in the bid submission activities. DSCs can be obtained from the authorised certifying agencies recognized by CCA India (e.g. Sify/TCS/nCode/eMudhra etc).

III) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

IV) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.

V) The Bidders are required to log in to the site through the secured log-in by entering their respective user ID / password and the password of the DSC.

VI) The CPP portal also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for reference.

9.2 TENDER CLARIFICATION

I) In case the bidders require any clarification regarding the tender documents, they are requested to contact our office Ph. no: 0877-2503572, Email ID: purchase@iittp.ac.in on or before due date.

II) Technical and Specifications related Clarifications contact our office No :08772503207 Email ID: mahendran@iittp.ac.in on or before due date.

III) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

9.3 ONLINE BID SUBMISSION PROCEDURE

Cover-1: The file should be saved in a PDF version numbered sequentially and should comprise of the following items:

Packet-1:

Duly Completed Scanned PDF copy of, PAN, GST, Firm Registration certificate and Annexure-I to VIII with relevant supporting documents

Only the relevant documents as per the tender clauses are to be uploaded along with duly completed checklist as per the annexure-X. Uploading of other than the required documents may liable for rejection of the bid.

Cover-2:

A standard BOQ format has been provided in excel format. Bidders are required to download the BOQ excel file and fill their financial offer on the same BOQ format. After filling the same, submit it online in excel format, without changing the financial template format.

Note:

If the bid is incomplete and / or non-responsive it will be rejected during technical evaluation. The bidder may not be approached for clarifications during the technical evaluation. So, the bidders are requested to ensure that they provide all necessary details in the submitted bids.

10. BID OPENING

10.1 Technical Bids will be opened on **14.06.2022 @ 15.00 Hrs.**

10.2 Financial Bids of the eligible bidders will be opened on a later date. The date and time for opening of Financial Bids will be announced later.

10.3 **Bids should be summarily rejected, if tender is submitted other than through online or original tender fee/Bid security declaration are not submitted within stipulated date / time.**

11. BID EVALUATION

Based on results of the Technical evaluation IIT Tirupati evaluates the Commercial Bid of those Bidders who gets qualify in the Technical evaluation. The Commercial Bid with the lowest price will be the highest evaluated bid.

11.1 **Purchase Preference**

I) **Micro and Small Enterprises (MSEs):**

Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) **for goods produced and services rendered**, may be provided following purchase preference:

Item wise Quantity	Price Quoted by MSE	How the tender shall be finalized
Cannot be split	L1	Full Order on MSE
Cannot be split	Not L1 but within L1 + 15%	Full Order on MSE subject to matching L1 Price

II) **Preference to Make in India**

a) In procurement goods or works which are covered under by para 3(b) of the extant Public Procurement (Preference to Make in India) Order 2017 dated 04 June 2020 and which are **divisible** in nature, the "Class-I Local Supplier"

shall get purchase preference over "Class-II Local Supplier" as well as "Non-Local Supplier" as per following procedure:

i) **Among all qualified bids, the lowest bid will be termed as L1. If L1 is** "Class-I Local Supplier", the contract for full quantity will be awarded to L1.

ii) **If L1 bid is not a** "Class-I Local Supplier", 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the "Class-I Local Supplier" will be invited to match L1 price for the remaining 50% quantity subject to the Class-I Local Supplier's quoted price falling within the margin of L1 + 20%, and contract for that quantity shall be awarded to such "Class-I Local Supplier" subject to matching the L1 price. In case such lowest eligible "Class-I Local Supplier" fails to match L1 price or accepts less than the offered quantity, the next higher "Class-I Local Supplier" within the margin of L1 + 20% shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such quantity may be ordered on the L1 bidder.

b) In procurement goods or works which are covered under by para 3(b) of the extant Public Procurement (Preference to Make in India) Order 2017 dated 04 June 2020 and which are **not divisible** in nature, and in procurement of services where the bid is evaluated on price alone, the "Class-I Local Supplier" shall get purchase preference over "Class-II Local Supplier" as well as "Non-Local Supplier" as per following procedure:

i) **Among all qualified bids, the lowest bid will be termed as L1.**
If L1 is "Class-I Local Supplier", the contract will be awarded to L1.

ii) **If L1 is not a** "Class-I Local Supplier", the lowest bidder among the Class-I Local Supplier, will be invited to match the L1 price subject to Class-I Local Supplier's quoted price falling within the margin of L1 + 20%, the contract shall be awarded to such Class-I Supplier subject to matching the L1 price.

iii) **In case such lowest eligible Class-I Local Supplier fails to match the L1 price, the** "Class-I Local Supplier" with the next higher bid within the margin of L1 + 20% shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the Class-I Local Supplier within the margin of L1 + 20%, the contract may be awarded to the L1 bidder.

iv) **Class-II Local Supplier will not get purchase preference.**

12. PAYMENT TERMS

No advance payment will be made in any case. Bills in Duplicate should be sent and the payment shall be released generally within 30 days, only after it is ensured that the items / quality of the items supplied are to the entire satisfaction of IIT Tirupati and completed the entire work within the stipulated delivery schedule. If any item is found defective, or not of the desired quality etc., the same should be replaced by the firm(s) immediately for which no extra payment shall be made.

13. WARRANTY OF QUALITY AND QUANTITY

13.1 The awardee shall give Minimum **3 years warranty as per the scope mentioned in the tender specifications** on successful completion of supply, and acceptance of supplied items. **2 years AMC** after completion of OEM standard warranty may be quoted as an optional.

13.2 The awardee shall give warranty that all items are as per specification(s), conforming to the specified design and there are no defects in the process of manufacturing, packaging, transportation and delivery.

13.3 Upon receipt of notice from IIT Tirupati for defective material, the firm shall **within 15 days** of receipt of the notice, replace the defective material, free of cost at the destination. The firm shall take over the defective material at the time of their replacement. No claim whatsoever shall lie on IIT Tirupati for the replaced goods thereafter. If the firm fails to replace the defective goods within a reasonable period, IIT Tirupati may proceed to take such remedial actions as may be necessary, at the company's risk and expense.

14. LIQUIDATED DAMAGES

In case of delay in Supply by the stipulated date, IIT Tirupati reserves the right of imposing penalty @0.5% per week on the value of the undelivered items subject to maximum 10% of the cost of undelivered items.

15. DELIVERY SCHEDULE

15.1 The successful bidder should execute the order successfully i.e. Supply, Installation of ordered item within **16 weeks** at IIT Tirupati transit campus, Venkatagiri Road, Yerpedu Post, Tirupati, Chittoor District from the date of issue of the purchase order. The delivery schedule is shown under section 'OEM Criteria - S.No. 13'. In case of any damage/Broken/Expired items found, the item(s) should be replaced **within 15 days** at IIT Tirupati. The bidder has to make own arrangement for unloading and positioning of items at the desired location of IIT Tirupati.

16. PERFORMANCE SECURITY DETAILS

16.1 The successful tenderer will have to deposit the performance security valid for **39 Months** in the form of DD / TDR / FDR / Bank Guarantee **@ 03% of the total order value** at the earliest from the date of issue of the award letter. No interest will be paid by IIT Tirupati on the deposit.

16.2 Performance Security will be refunded to the supplier, after it duly performs and completes the contract/warranty period in all respects.

16.3 Performance Security will be forfeited if the firm fails to perform/abide by any of the terms or conditions of the contract.

16.4 In case, the firm fails to execute the order successfully, within specified delivery period, the same goods/items will be procured from open market and the difference of cost, if any, will be recovered from Performance Security or from pending bill(s) of the defaulting firm or from both in case the recoverable amount exceeds the amount of Performance Security.

17. INTEGRITY PACT:

a. The integrity pact (IP) envisages an agreement between the prospective bidders/ vendors with the buyer committing the persons/ officials of both the parties with the aim not to exercise any corrupt influence on any aspect of the contract. **Only those bidders/ vender who are willing to enter into such an integrity pact with the purchase would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification. The bidder should give self-declaration certificate for acceptance** and compliance with the Integrity Agreement as per **Annexure XI**.

b. Any violation of the Integrity Pact would entail disqualification of the bidders and exclusion from future business dealings, as per the existing provisions of GFR, 2017, PC Act, 1988, and other Financial Rules/Guidelines, etc. as may be applicable to the organization concerned

c. The integrity pact would be effective from the date of invitation of bids till the complete execution of the contract.

d. The model format of Integrity Pact(IP) is at **Annexure-XII**

18. SITE VISIT:

Prospective bidders are informed to visit the **Permanent campus of IIT Tirupati** to familiarize with the various element and quality level of services that are required to be rendered. Before coming for site visit the bidders have to take prior appointment by emailing to mahendran@iittp.ac.in and senthil@iittp.ac.in.

It would be deemed that the bidder has visited the campus and understood the requirement prior submission of the bid. Self-declaration in this regard should be submitted as per the **Annexure-XIII.**

19. TERMS AND CONDITIONS

19.1 Termination for Insolvency

I) The IIT Tirupati may at any time terminate the Contract by giving a written notice to the awarding firm, without compensation to the firm, if the firm becomes bankrupt or otherwise insolvent as declared by the competent Court, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the department.

II) IIT Tirupati and/or the firm are entitled to withdraw/cancel the rate contract by serving one-month notice on each other. However, once a purchase order is placed on the supplier for supply of a definite quantity in terms of the rate contract during the validity of the rate contract, that purchase order becomes a valid and binding contract.

III) The courts of Tirupati alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out of this purchase. It is specifically agreed that no court outside and other than Tirupati Court shall have jurisdiction in the matter

19.2Force Majeure

I) Should any force majeure circumstances arise, each of the contracting parties be excused for the non-fulfilment or for the delayed fulfilment of any of its contractual obligations, if the affected party within 15 days of its occurrence informs in a written form the other party.

II) Force Majeure shall mean fire, flood, natural disaster or other acts such as war, turmoil, sabotage, explosions, epidemics, quarantine restriction, strikes, and lockouts i.e. beyond the control of either party.

19.3 Arbitration

I) All disputes of any kind arising out in connection with the executing the order shall be referred by either party (IIT TIRUPATI or the bidder) after issuance of 30 days' notice in writing to the other party clearly mentioning the nature of dispute to a single arbitrator acceptable to both the parties. The venue for arbitration shall be IIT TIRUPATI India. The jurisdiction of the courts shall be Tirupati, Andhra Pradesh, India.

19.4 Other Conditions

I) The bidder has to upload the relevant & readable files only as indicated in the tender documents. In case of any irrelevant or non-readable files, the bid may be rejected.

II) IIT Tirupati will not be liable for any obligation or supplies made unless the Official Purchase Order has been placed by the Purchase Department.

III) IIT Tirupati reserves the right to accept or reject any or all the tenders in part or in full or may cancel the tender, without assigning any reason thereof.

IV) IIT Tirupati reserves the right to relax / amend / withdraw any of the terms and conditions contained in the Tender Document without assigning any reason thereof. Any inquiry after submission of the quotation will not be entertained.

V) IIT Tirupati reserves the right to modify/change/delete/add any further terms and conditions prior to issue of purchase order.

VI) In case the bidders/successful bidder(s) are found in breach of any condition(s) at any stage of the tender, Performance Security shall be forfeited.

VII) False declaration/documents will be in breach of the Code of Integrity under Rule 175(1) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

VIII) Repeat Order: IIT Tirupati reserves the right to place repeat order up to 100% of the quantities within a period of 12 months from the date of successful completion of purchase order at the same rates and terms subject to the condition that there is no downward trend in prices.

To take care of any change in the requirement during the currency of the contract, a plus/minus option clause for 25 per cent is incorporated in the tender document, reserving purchaser's right to increase or decrease the quantity of the required goods up to that limit without any change in the terms and conditions and prices quoted by the tenderers.

IX) Conditional tenders will not be considered in any case.

X) In case of doubt in material, the expenditure on testing of equipment will be borne by the tenderer.

XI) IIT Tirupati reserves the right to increase/decrease the order quantity at any period of time during the validity of the contract.

XII) IIT Tirupati may issue amendment/corrigendum to tender documents before the due date of submission of bid. Any amendment/corrigendum to the tender document, if any, issued by IIT Tirupati will be posted on CPP Portal. For the bidders, submitting bids on downloaded tender documents, it is 'bidders' responsibility to check for any amendment/corrigendum on the website of IIT Tirupati or check for the same CPP Portal before submitting their duly completed bids.

ANNEXURE – I

UNDERTAKING

To
The Registrar,
Indian Institute of Technology
Tirupati-Renigunta Road, Settipalli post,
Tirupati 517506.

Tender No. IITT/CC/2022-23/17 dated: 11-05-2022.

Name of the Tender/Supply: Notice Inviting Tender for Supply, installation, testing and Commissioning of Wireless Active Components.

Sir,

I /we hereby submit our bid for Supply, installation, testing and Commissioning of Wireless Active Components

I/ We enclosed here with the following in favor of the Indian Institute of Technology Tirupati towards Tender Fee.

Particular	Amount	Payment Reference Details	Payment Date
Tender Fee (Including Tax)	**2500/-**		

1. I / We hereby reconfirm and declare that I / We have carefully read, understood & complying the above referred tender document including instructions, terms & conditions, scope of work, schedule of quantities and all the contents stated therein. I / We also confirm that the rates quoted by me / us are inclusive of all taxes, duties etc., applicable as on date.

2. I /we have gone through all terms and conditions of the tender document before submitting the same.

Date:
Place:

Seal

Authorized Signatory

Name:

Designation:
Contact No :

ANNEXURE – II

On Company Letter Head

Bid Security Declaration

To
The Registrar,
Indian Institute of Technology
Tirupati-Renigunta Road, Settipalli post,
Tirupati 517506.

Tender No. IITT/CC/2022-23/17 dated: 11.05.2022.

Name of the Tender/Supply: Notice Inviting Tender for Supply, installation, testing and Commissioning of Wireless Active Components.

Sir,

We, the undersigned declare that

1. We understood that, according to the tender conditions, bids must be supported by a Bid Security Declaration.

2. We accept that we will automatically be suspended from being eligible for bidding in any contract with the Institute for the period of **3 years** starting from the bid closing date, if we are in breach of our obligation(s) under the bid conditions, because we;

   (a) have withdrawn our bid during the period of bid validity specified in the letter of bid; or

   (b) having been notified of the acceptance of our bid by the institute during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the tender conditions.

Date:
Place:

Seal

Authorized Signatory

Name:

Designation:
Contact No :

ANNEXURE – III

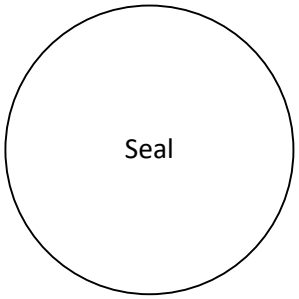
CERTIFICATE
(To be provided on letter head of the firm)

I hereby certify that the above firm is not in the active debarred list by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm may be blacklisted.

Date:

Place:



Authorized Signatory

Name:

Designation:
Contact No.:

ANNEXURE – IV

a) Experience: (As per tender Clause No.4.2 (III)

Year	Name of the Item with Specification (Technical specification brochure to be attached)	Purchase Order No. & Date (Copy of the Orders to be attached)	Date of successfully completion of SITC of ordered Item (copy of Installation report from client to be attached)	Contact Details of Client
2017-18				
2018-19				
2019-20				
2020-21				

b) Past Performance: (As per tender Clause No.4.2 (III)

Year	Purchase Order No. & Date (Copy of the Orders to be attached)	Quantity	Date of successfully completion of SITC of ordered Item (copy of report from client to be attached)	Whether supplied item(s) is in successful operation for at least one year (Certificate from client to be attached)	Contact Details of Client [email and phone no]
2017-18					
2018-19					
2019-20					
2020-21					

Date :

Place :

Seal

Authorized Signatory

Name:
Designation:

Contact No.:

ANNEXURE – V

Annual Turnover and Profit Details:

Evaluation Criteria				**Remark**	**Specific page no. where the proof of documents are enclosed**
Bidder's Annual Turnover and Profit for last three financial years	**Financial Year**	**Turnover in Rs.**	**Annual Profit in Rs.**	-	
	2020-21			**Supporting Documents are to be attached along with the Annexure-V [i.e.** Audited financial Statements or Financial Statements showing turnover duly signed by a Chartered Accountant are to be submitted]	
	2019-20				
	2018-19				
	2017-18				

Date:

Place:

Seal

Authorized Signatory:

Name:

Designation:

Contact No.:

ANNEXURE – VI

Format for Self-Declaration under preference to make in India order

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II date. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated: 04 June 2020. We hereby certify that we M/s. _____ _____ (supplier name) are **CLASS-I/Class-II (Please specify clearly)** supplier meeting the requirement of local content more than 20% as defined in above orders for the material against Enquiry No. Tender No. IITT/ CC/2022-23/17 dated: 11.05.2022.

Details of location at which local value addition will be made as follows: (Complete address to be mentioned)

_____

_____

Percentage of Local Content: _____

(As per the OM of Department of Promotion for Industry and Internal Trade No. P-45021/102/2019-BE-II-Part(1) dated: 04.03.2021. The bidders can't claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition)

We also understand, false declarations will be in breach of the Code of Integrity under rule 175 (1) (i) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and signature of Supplier

Date :

Place :

ANNEXURE – VII

Technical Compliance statement

<table>
<tr><th>Description</th><th>Offered Make & Model</th><th>% of Local Content as per Tender Clause No.4.2(V)</th><th>Country of Origin</th></tr>
<tr><td>

Network Functional Requirements (Wireless):

SNo	**Network Functional Requirement (Wireless)**	**Compliance (Y/N with remarks)**
1	The users and devices should be given access to only specific resources and denied access to others based on their unified login credentials from central LDAP, the necessary hardware/software for deployment of LDAP to be part of the overall solution.	
2	The wireless controllers / APs shall support the upgrades, patches while serving the clients without impacting the wireless services, similarly, the AP upgrades to be done in select groups of access points to be upgraded in succession, while leaving other access points online, to serve clients during the upgrade, the proposed solution should support the feature.	
3	Solution should provide 24X7X365 TAC support and 8X5 Next business day replacement	
4	All devices to have Common Criteria Certification such as EAL/NDPP	
5	All WiFi devices to be WiFi6 certified by WiFi alliance.	
6	All WiFi device to support BT5/Zigbee support from Day1	
7	The WLC controller to support 1:1 redundancy from Day1	
8	Each WLC controller to support a minimum of 30K concurrent clients from Day1	
9	All of the networking products should be supported with "Malicious code free" authorization letter legally vetted by the OEM	
10	All APs and WLCs are to be from single OEM	
11	APs are to be mounted on the hard ceiling. Compatible mounting brackets to be provided to mount APs at the height of 2.8m from the ground.	

Commissioning Requirements (Wireless):

</td><td></td><td></td><td></td></tr>
</table>

SNo	Commissioning Requirements (Wireless)	Compliance (Y/N with remarks)
1	Supply, installation, testing, and commissioning of active components for the campus.	
2	Successful bidder should conduct on-site survey to plan WiFi deployment in each floor of every building, and an OEM certified head map to be submitted.	
3	Successful bidder should show bandwidth results report mainly on wireless, through utilities like iperf with users at farthest location (w.r.t) each APs.	
4	Successful bidder should submit a separate HLD/LLD document WiFi which is validated by OEM.	
5	Labeling of APs, WLCs, matching with corresponding patch panel ports to be done.	
6	Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures, and standard accessories normally provided with such equipment and/or needed for erection, completion, and safe operation of the equipment as required by applicable codes though they may not have been specifically detailed in the tender document, unless included in the list of exclusions.	
7	The successful bidder shall be responsible for providing all materials, equipment's, necessary software, licenses, drivers and services or otherwise, which are required to fullfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within the quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force on the date of the award of this contract.	
8	The scope covers preparation pre-dispatch/inspection/testing, packaging, forwarding, transportation and carrying out further activities at viz unloading, storage, (space provided by IITT) further handling, erection, testing and commissioning including successful completion of acceptance tests and any other services specified.	
9	The installation of equipment is considered as completed only after successful commissioning and testing done by the successful bidder, and certified by the designated team of IITT.	
10	Successful bidder to submit the make, and model of the proposed equipment with detailed data sheets.	
11	The warranty services will start only after installation and commissioning of the complete solution.	
12	All features minimum specifications and functional features to be shown for IITT after completion of installation and commissioning, and a report of the	

	same to be submitted to IITT	

OEM Criteria for Wireless:

SNo	Pre-qualification criteria	Compliance (Y/N with remarks)
1	Similar deployment in India - OEM should have deployed wireless networking solutions in at least one large CFTI/publicly listed large enterprise with minimum 1000 access points successfully deployed in each of these organisations for a minimum of one year. Proof to be submitted in the form of Purchase orders/completion certificate from end customer along with contact details of end customer (for verification by IIT).	
2	Products proposed should have been released and shipments commenced at least 12 months before date of bid	
3	OEM should provide an undertaking that the proposed models will not be declared end of life for the next 2 years and spares support for the models offered will be available for a period of 7 years from the date of bid submission	
4	Warranty - 3 years on site support from OEM/bidder from the date of installation and commissioning of supplied line items. Warranty should include advance replacement of faulty parts, labour and on site support to resolve issues within SLAs defined by IIT.	
5	AMC - AMC to be quoted for a period of 2 years post warranty period and IIT reserves the right to enter into AMC with L1 bidder post warranty period at the prices quoted in the bid. Support during AMC period will include back lining with OEM, advance replacement of faulty parts, labour and on site support to resolve issues reported by IIT within the SLA defined by IIT. Bidder to undertake preventive maintenance visits once every 6 months and do patch updates and updates to the latest version in the wireless controller / access points during these visits.	
6	OEM support - OEM should provide direct TAC support to IIT as and when required during the warranty and AMC period.	
7	OEM participation - OEM should participate via only one authorised partner in this bid. MAF to be provided to the authorised partner and OEM should submit an undertaking that they will support IIT directly if the partner fails to fulfil their contractual obligations with respect to support during warranty or AMC period.	

8	Bidder should have ISO 9001 / ISO 27001 certification				
9	Bidder should have a support office in Telangana / AP / TN/ KA				
10	Bidder should submit MAF specific to the bid from the OEM				
11	OEM should not be blacklisted in India in the last three years.				
12	All wireless active networking components (APs and WLCs) should be from the same OEM.				
13	OEM to deliver the stage-wise release of components after the release of PO as per the following schedule. In any case, if items couldn't be supplied for valid reasons within the specified timelines, the successful bidder has to provide a standby arrangement to make the network up and running by providing the functional items as mentioned in the 'standby items' column following table. The standby items need not be from a single OEM. It is to be noted that all standby arrangements are to be made without imposing any financial commitments to IITT.				

Stage	Actual Items Required (Qty.)	Delivery Period (from PO)	Minimal Standby Items (manageable switches only)
1	a. WLC (1 no) b. WiFi 4x4 (205 nos) c. WiFi 8x8 (12 nos)	6 Weeks	i. PoE+ APs (36 Nos)
2	a. WLC (1 no) b. WiFi 4x4 (198 nos) c. WiFi 8x8 (12 nos)	12 Weeks	i. PoE+ APs (36 Nos)
3	All of the remaining	16 Weeks	N.A.

Item No.1 "WLC"

S.No	WLC Technical Specifications	Compliance (Y/N with remarks)

1	AP should be able to tunnel traffic to remote location to WLC/tunnel aggregator device using protocols like VxLAN/EoGRE/L2TP/capwap/GRE					
2	Proposed WLC should be on premise solution					
3	Support for new Wi-Fi 6 (802.11ax), WPA3 and Enhanced Open and existing standards					
4	WLC should have capability to host 1000 APs from day 1 and scalability of upto 2000 Access points without changing the hardware in future.					
5	WLC should support 30K or more clients					
6	WLC/ WLAN Tunnel aggregator devices should have 4 nos of 1/10G SFP+ to connect to LAN					
7	Should support multiple redundancy models like 1+1. On Premise WLC Must support 1+1 or N+1 redundancy					
8	WLC Must support an ability to dynamically adjust channel, power settings and airtime, based on the RF environment. Radio coverage algorithm must allow adjacent WAPs to operate on different channels, in order to maximize available bandwidth and avoid interference.					
9	Wireless Controller should support Access Control based on Identity/Role/ Device/Time or Application.					
10	WLC should have 4K VLANs					
11	should supports IPSec/SSL encryption standards					
12	Should support coverage hole detection and correction that can be adjusted on a per WLAN basis.					
13	Should support RF Management with 20, 40, 80 & 160 MHz channels					
14	Should support Access Control Lists (ACLs).					
15	Should support built-in /URL redirection for web authentication					
16	Should be able to set a maximum per-user bandwidth limit on a per-SSID basis.					
17	Should provide Mesh capability for Mesh supported AP					
18	Must support client roaming as per IEEE standard 802.11r or WLC/APs across layer3 routed boundaries					
19	Should support spectrum analysis and be able to classify different types of interference.					
20	Should provide multiple real-time charts/log showing interferers per access point, on a per- radio, per-channel basis.					
21	System should provide real-time troubleshooting and visualization. Any specialized hardware and software required for the same should be provided by the vendor.					
22	WLC should have Application Visibility and Control (AVC).					

23	Support for configuring media streams with different priority to identify specific video streams for preferential QoS treatment.				
24	To deliver optimal bandwidth usage, reliable multicast must use a single session between AP and Wireless Controller.				
25	Should support IPv4 & IPv6.				
26	For smooth, seamless and easy manageability, operation, interoperability and maintenance, the bidder should offer/quote WLC & WAPs of the same make (OEM).				
27	Solution should support application visibility and control from day one (applications like Social Media, Video Streaming , Video Conferencing apps, etc)				
28	The solution should detect and automatically prevent all types of Rogue (unauthorized APs connected to the network) APs from Day 1, such as: a) APs such as Bridge and NAT b) MAC-adjacent Open/Encrypted Wi-Fi routers c) Non-MAC-adjacent OPEN Wi-Fi routers d) Non-MAC adjacent APs having MAC ACLs				
29	Complete WIPS/WIDS support required from Day 1, via integrated or through external appliance				
30	The solution should support location tracking of all wireless devices (APs and Clients) on floor maps loaded on the Management controller from Day 1. No internet based location services should be utilised (Google and other online maps)				
31	The solution must support Automatic packet capture in event of a client failure				
32	The WLAN management plane should support a visual hierarchical location tree, where the nodes of the location tree inherit settings and configuration from the global level into subsequent levels in the hierarchy. The solution must also provide hierarchical alerts wherein sub-events are correlated under parent incident alert thereby enabling event correlation.				
33	The solution should support automated root cause analysis of WiFi issues such as low RSSI, low data rate, Authentication related issues on per client basis.				
34	The solution should highlight client connection failures during association, authentication and network entry. It should also identify the cause of failure.				
35	The Solution shall support Hitless/rolling, AP upgrade feature from Day 1				
36	The solution must be able to detect and automatically prevent all Wi-Fi enabled devices such as smartphones bridging / ICS when connected to the network				

Item No.2 “WiFi AP with 4x4 on 2.4GHz and 8x8 on 5GHz”

S.No	WiFi6 AP 4x4 on 2.4GHz and 8x8 on 5GHz - Technical Specifications	Compliance (Y/N with remarks)
1	Access Point shall support 4X4 on 2.4GHz and 8X8 on 5Ghz	
2	Access Point shall be able to powered up using PoE (.af)	
3	Access Point shall support assurance, packet capture, RF sensing capabilities	
5	Access Point shall support encrypted traffic visibility	
4	Access Point shall support application visibility and control	
6	Access Point should have BLE/Zigbee radio to support use cases of location, asset tracking and analytics, from Day1	
7	Access Point shall ship with metal-based mounting bracket for durability and reliability	
8	Access Point shall be able to leverage current Access Point mount kit and cable conduit	
9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	
10	Access Point should have 1x 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	
11	Access Point should have a USB port for future requirements.	
12	Must Support min. PHY data rate upto 5 Gbps.	
13	Must support a minimum of 23dBm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	
14	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.	
15	Must incorporate radio resource management for power, channel and performance optimization	
16	Must have -97 dB or better Receiver Sensitivity.	
17	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.	
18	Must support Management Frame Protection.	
19	Must support the ability to serve clients and monitor the RF environment concurrently.	
20	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.	
21	Must be plenum-rated (UL2043).	
22	Access Point must continue serving clients when the link to the controller is down. It should also have the option to authenticate users through the Radius server directly from Access Point during link unavailability to the controller.	
23	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.	
24	Must support 802.11e and WMM	

25	Must support QoS and Video Call Admission Control capabilities.				
26	Access point should be wifi 6 certified.				
27	Must support downlink and uplink OFDMA				
28	Must support TWT & BSS coloring				
29	Must support WPA3 - enterprise 192 bit encryption				
30	Peak integrated antenna gain on each radio with min. 4dBi on 4x4 and min. 5dBi on 8x8				

Item No.3 "WiFi AP 4x4 on both radios"

S.No	WiFi6 AP 4x4 on dual radio - Technical Specifications	Compliance (Y/N with remarks)
1	Access Point shall support 4X4 MIMO on 2.4GHz, 4X4 MIMO on 5GHz	
2	Access Point shall be able to powered up using PoE (.af)	
3	Access Point shall support assurance, packet capture, RF sensing capabilities	
4	Access Point shall support application visibility and control	
5	Access Point shall support encrypted traffic visibility	
6	Access Point should have BLE radio/Zigbee to support use cases of location, asset tracking and analytics, from Day1.	
7	Access Point shall be able to leverage current Access Point mount kit and cable conduit	
8	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	
9	Access Point should have 1x 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	
10	Access Point should have a USB port for future requirements.	
11	Must Support min. PHY data rate upto 3 Gbps or more	
12	Must support a minimum of 23dBm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	
13	Must support AP enforced load-balance between 2.4Ghz and 5Ghz band.	
14	Must incorporate radio resource management for power, channel and performance optimization	
15	Must have -97 dB or better Receiver Sensitivity.	
16	Must support Proactive Key Caching and/or other methods for Fast Secure Roaming.	
17	Must support Management Frame Protection.	
18	Must support the ability to serve clients and monitor the RF environment concurrently.	

19	Same model AP that serves clients must be able to be dedicated to monitoring the RF environment.				
20	Must be plenum-rated (UL2043).				
21	Access Point Must continue serving clients when the link to controller is down. It should also have the option to authenticate users through the Radius server directly from Access Point during link unavailability to the controller.				
22	Must support telnet and/or SSH login to APs directly for troubleshooting flexibility.				
23	802.11e and WMM				
24	Must support QoS and Video Call Admission Control capabilities.				
25	Access point should be wifi 6 certified.				
26	Must support downlink and uplink OFDMA				
27	Must support TWT & BSS coloring				
28	Must support WPA3 - enterprise 192 bit encryption				
29	Peak integrated antenna gain of minimum 3.5dBi on 2.4GHz, and minimum 4dBi on 5GHz				
Specify scope of warranty :					

ANNEXURE –VIII

COMPANY DETAILS

Name of the bidder		
Date of Incorporation / Registration details		
PAN Number		
GST Registration Number		
Bidder's Bidding Capacity for the tendered items (As a Manufacturer/ Trader/ dealer / channel partner / system integrator, etc.)		
Bank Details	**Account Number**	
	IFS Code	
	Bank Name	
	Branch Name	
Registered Office Address		
Authorized Signatory Details (Company/Firm Authorization by the competent authority, to be attached)	**Name**	
	Designation	
	Email	
	Phone	
Details of Contact other than Authorized Signatory	**Name**	
	Designation	
	Email	
	Phone	

Date: **Signature and Seal of the Tenderer:**

Place: **Name in Block Letter:**

Designation:

Contact no.

ANNEXURE-IX

Format for submitting the queries through email to IIT Tirupati

QUERIES RELATED TO THE TENDER DOCUMENT MAY BE FORWARDED TO mahendran@iittp.ac.in with cc to purchase@iittp.ac.in AS PER THE BELOW FORMAT OF ANNEXURE-IX

Tender No. IITT/CC/2022-23/17 dated: 11-05-2022.

Name of the Tender/Supply: Notice Inviting Tender for Supply, installation, testing and Commissioning of Wireless Active Components.

S No	Tender Clause No	Bidder(s) queries	IIT Tirupati response

Signature and Seal of the Tenderer:

Name in Block Letter:
Designation:
Full Address:
Contact no.:
Date:

ANNEXURE-X

CHECKLIST FOR BIDDERS TO BE SUBMITTED IN DULY FILLED AND SIGNED

Tender Clause No.	Name of the Document	Document Particulars	Submitted (Yes/No)	Page No. of the attached Document
3.1	Tender Fee			
3.4	Bid security Declaration (Annexure-II)			
3.3	Valid Tender Fee / EMD Exemption Certificate			
4.1.	PAN Card			
	Incorporation/Registration certificate of company			
	GST Registration copy			
4.2.(I)	Tender acceptance letter (Annexure I)			
4.2.(II)	Non-Blacklisting undertaking (Annexure III)			
4.2.(III)	Similar deployment in India - OEM should have deployed wireless networking solutions in at least one large CFTI/publicly listed large enterprise with minimum 1000 access points successfully deployed in each of these organisations for a minimum of one year. Proof to be submitted in the form of Purchase orders/completion certificate from end customer along with contact details of end customer (for verification by IIT).The said items should have supplied during past three financial years **i.e. during 2017-18 to 2019-20 or 2018-19 to 2020-21.** Vendor should provide satisfactory installation certificates with product details as proof with customer contacts email and phone number as per the **Annexure-IV.**			
4.2.(IV)	The Annual Turnover should be at least **Rs. 1 Crore** and be profitable during each of the previous three financial years **i.e. during 2017-18 to 2019-20 or 2018-19 to 2020-21.** Audited financial Statements or Financial Statements showing turnover duly signed by a Chartered Accountant are to be submitted as per the Annexure-V.			
4.2.(V)	The bidder should be a Class-I/Class in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP (BE-II) dated 04 Jun 2020. A Self-Declaration Certificate regarding "Class-I & Class-II Supplier" for the tendered items as per the Annexure-VI is to be submitted.			
4.2.(VI)	The bidder should be OEM or OEM authorized Dealers / Channel partners / Distributors of reputed brand having authorization for sales and after sales support. Valid OEM authorization letter is required to participate in this tender.			
2	OEM should provide an **undertaking** that the proposed models will not be declared end of life for			

	the next 2 years and spares support for the models offered will be available for a period of 7 years from the date of bid submission			
4.2.(VII)	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder registered with the competent authority. The concerned bidder(s) are required to attach the relevant valid Registration Certificate along with the bid for consideration.			
4.3	Technical Compliance Statement : Annexure-VII.			
11.1 (I)	Purchase Preference: (if applicable) Micro and Small Enterprises (MSEs):			
11.2 (II)	Purchase Preference: Make in India			
12	Payment Term: Within 30 days after SITC.			
13.	**Onsite Warranty:** Minimum **03 Years onsite warranty as per the scope mentioned in the tender**			
13	**2 years AMC (as per the scope mentioned in the tender) m**ay be quoted as an optional in the BoQ.			
15	Delivery: FOR IIT Tirupati within **4 weeks**			
8	Bid validity: 90 days from the date of opening of the tender			
17	**Self-declaration certificate for acceptance** and compliance with the Integrity Agreement as per **Annexure XI**.			
	Company details : Annexure-VIII			
18	Site Visit Declaration : Annexure-XIII			

Note:

1) **Submission of tender without the above mentioned documents will lead to rejection/disqualification of the tender.**
2) **It is mandatory for the bidder to assign page numbers to the tender documents and the same has to be mentioned in the above checklist.**

Signature of the bidder with stamp

ANNEXURE- XI

INTEGRITY PACT

To,

The Registrar,
Indian Institute of Technology,
Tirupati.

Sub: Submission of Tender for the _____ at Indian Institute of Technology, Tirupati.

Sir/ Madam,

I/We acknowledge that the Indian Institute of Technology, Tirupati is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by Indian Institute of Technology, Tirupati. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, Indian Institute of Technology, Tirupati shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid is accordance with terms and conditions of the tender/ bid.

Yours faithfully,

(Duly authorized signatory of the Bidder)

ANNEXURE- XII

INTEGRITY PACT

This **INTEGRITY PACT** is made and executed at..... on this day of..... , 2022

BETWEEN

The Registrar, Indian Institute of Technology Tirupati, an autonomous body of the Department of Higher Education, Ministry of Education, Govt, of India having its office located at Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, Andhra Pradesh - 517619 (hereinafter referred to as **"The Principal"** which terms or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the **First Part;**

And

M/s..... a company incorporated under the Companies Act,..... through its representative/authorized signatory (insert name and designation of the officer) vide resolution dated ..... passed by the Board of Directors, having its office at .....(hereinafter referred to as "The Bidder/Contractor" which term or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the **Second Part**.

Preamble

The Principal intends to award, underlaid down organizational procedures, contract/s for _____ The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidders) and / or Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitors (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

c. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there is a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition, can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

(1) The Bidder(s)/ Contractor(s) commit themselves to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commit themselves to observe the following principles during participation in the tender process and during the contract execution.

a. The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b. The Bidders(s)/ Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The Bidder(s)/ Contractor(s) will not commit any offense under the relevant IPC/PC Act; further the Bidders(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s)/ Contractors(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only

e. The Bidder(s)/ Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

f. Bidder(s) /Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.

(2) The Bidders)/ Contractors) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings.

Section 4 - Compensation for Damages

(1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 - Previous transgression

(1) The Bidder declares that no previous transgressions occurred in the last three years with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings".

Section 6 - Equal treatment of all Bidders / Contractors / Subcontractors

(1) In the case of Sub-contracting, the Principal Contractor shall take the responsibility for the adoption of the Integrity Pact by the Sub-contractor.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.

(3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate this provisions.

Section 7 - Criminal charges against violating Bidder(s) / Contractors) / Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 - Independent External Monitor

(1) The Principal appoints a competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

(2) The Monitor is not subject to instructions by the representatives of the parties and performs his/her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him/her to treat the information and documents of the Bidders/Contractors as confidential. He/she reports to Secretary, MoE.

(3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.

(4) The Monitor is under contractual obligation to treat the information and documents of the Bidders)/ Contractor(s)/ Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on

'Non-Disclosure of Confidential Information and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform Secretary, D/o Higher Education.

(5) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

(6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he/she will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

(7) The Monitor will submit a written report to the Secretary, D/o Higher Education within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

(8) If the Monitor has reported to the Secretary, D/o Higher Education, a substantiated suspicion of an offence under relevant I PC/ PC Act, and the Secretary, MoE has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(9) The word **'Monitor'** would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealing.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Secretary, D/o Higher Education.

Section 10 - Other provisions

(1) This agreement is subject to Indian Law. The place of performance and jurisdiction is the Office of the Principal, i.e. New Delhi.

(2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

(3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

(4) Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement with their original intentions.

(5) Issues like Warranty / Guarantee etc. shall be outside the purview of IEMs.

(6) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.

(7) The actions stipulated in this Integrity Pact are without prejudice to any other legal action(s) that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

IN WITNESS WHEREOF, the parties hereunto set their hands and seals and executed this INTEGRITY PACT as of the day/month/year first above written:

For and on behalf of

THE REGISTRAR,
Indian Institute Technology Tirupati (First Party)
SIGNED, SEALED, AND DELIVERED by
Name:.....
Designation:.....
Address:.....
Authorized Signatory

For and on behalf of
M/s.....(Second Party)
SIGNED, SEALED AND DELIVERED by

Name_____
Designation:.....
Address:.....
Representative/authorized signatory
Vide resolution dated..... passed by the Board of Directors
In the presence of Witness:

1.

2.

ANNEXURE- XIII

Format for Self-Declaration of Site-Visit of IIT Tirupati

I_____(Name of the authorized person) hereby certify that we M/s. _____ _____ (supplier name) have visited the campus of IIT Tirupati to familiarize with the various element and quality level of services that are required to be rendered as per the tender Enquiry No. IITT/CC/2022-23/17 dated: 11.05.2022.

Signature and Seal of the Tenderer:

Name in Block Letter:
Designation:
Full Address:
Contact no.:
Date: