

## Technical Specifications and Other Terms and Conditions

### ANNEXURE -A

#### **TENDER – Technical Specifications, BoQ, Scope of Work, Terms and Conditions**

**Supply, Installation, RF Design, Optimization, Integration, Testing and Commissioning of 16 nos. of Cisco Meraki MR57 Access Points and associated installation of passive network cabling/ termination.**

**Project Location: 800-Seater Capacity Area / Lecture Hall - LHC-05, IIT Hyderabad**

#### 1. Objective

The objective of this tender is to supply, install, configure, commission and optimize 16 nos. Of Cisco Meraki MR57 Access Points in the designated 800-seater capacity area/Lecture Hall at IIT Hyderabad, replacing the existing wall-mounted Access Points.

The existing wireless environment has been observed to experience uneven client association, wherein a disproportionately large number of users tend to associate with specific Access Points. This results in excessive client loading, increased airtime utilization and degradation of overall wireless performance, leading to user complaints regarding slowness and connectivity.

Accordingly, the scope shall not be limited to like-for-like replacement of the existing Access Points. The successful bidder shall be responsible for complete RF assessment, predictive wireless design, pre-installation survey, AP deployment, RF optimization, post-installation survey, Aruba ClearPass integration, performance validation and corrective optimization.

#### 2. Bill of Material

| S. No. | Part Code     | Description                                           | Qty. | Compliance (Yes/ No) |
|--------|---------------|-------------------------------------------------------|------|----------------------|
| 1      | MR57-HW       | Cisco Meraki MR57 Access Point                        | 16   |                      |
| 2      | LIC-ENT-5YR   | Cisco Meraki Enterprise License – 5 Year              | 16   |                      |
| 3      | MA-UMNT-MR-A2 | Cisco Universal Mounting Kit Suitable for MR57-HW APs | 16   |                      |

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| 4 | - | Custom Heavy-Duty Horizontal Cantilever Brackets for auditorium side/rear walls, including structural supports, mounting plate, anchors/fasteners, safety lanyard and protected cable-routing provision, as per Clause 24                  | 10 |  |
| 5 |   | Custom Low-Height Behind-Chair Floor-Mounted Stands, positioned in block pathways/gaps between seating blocks, including floor anchoring, AP mounting interface, safety retention and cable-routing provision, as per approved RF design   | 6  |  |
| 6 | - | Passive Network Cabling Installations - Laying of LAN cables in suitable conduits , Crimping , testing, fixing of the above custom heavy duty cantilever to the walls or floor of the auditorium - includes AP mounting for all the 16 APs | 1  |  |
| 7 | - | Active Networking Installation Charges for all the above 16 Wi-Fi APs - Meraki Dashboard configuration - Wi-Fi settings - Complete Active Networking Configurations ( including Wi-Fi Survey) - for all the 16 APs                         | 1  |  |

(Supply of standard passive networking components such as CAT6A cables, cable boxes, patch panels/jack panels, I/O ports, LAN patch cords, conduits, network racks are not included in the bidder's scope. These passive networking components shall be procured separately by IIT Hyderabad.)

However, the bidder shall include all accessories, OEM mounting hardware, customized mounting arrangements, brackets/stands, fixing and anchoring hardware, cable-routing accessories, safety arrangements and all other components specifically required for the complete installation, mounting, configuration, testing and commissioning of the 16 Nos. Cisco Meraki MR57 Access Points. Any additional requirement identified through the site survey shall be brought to the attention of IIT Hyderabad before implementation.

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| <p><b>3. RF Survey, Predictive Design and Optimization</b></p> <p>RF engineering shall be a mandatory component of the scope. The successful bidder shall undertake a comprehensive RF design, survey, optimization and validation exercise for the proposed deployment.</p> <p>Predictive RF survey/design.<br/>Pre-installation physical RF survey.<br/>AP placement validation.<br/>RF design finalization.<br/>Post-installation RF survey.<br/>RF optimization and corrective actions.<br/>Final acceptance survey.</p> <p>The bidder shall use a professional enterprise-grade wireless survey and design tool such as Ekahau or equivalent, together with a suitable professional RF survey adapter/analyzer such as Ekahau Sidekick or equivalent, capable of performing active/passive wireless surveys and generating professional RF design and validation reports.</p> <p>The specification of Ekahau or any particular manufacturer's tool shall not be interpreted as mandatory. The bidder may propose an equivalent industry-standard RF survey and design solution, provided it is capable of delivering all survey measurements, analysis and heat maps specified in this tender. The bidder shall submit details of the proposed survey/design tool and its capabilities along with the technical bid.</p> | <p><b>3.</b><br/><b>Compliance (</b><br/><b>Yes/ No)</b></p> |
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| <p><b>4. Predictive RF Survey</b></p> <p>Before installation, the bidder shall perform a predictive RF design for the complete 800-seater area.</p> <ul style="list-style-type: none"> <li>• Proposed locations of all 16 no.s of MR57 APs.</li> <li>• 2.4 GHz and 5 GHz coverage.</li> <li>• User seating density and expected concurrent client density.</li> <li>• Channel reuse and RF cell sizing.</li> <li>• Co-channel and adjacent-channel interference.</li> <li>• Expected roaming requirements.</li> <li>• AP transmit power and channel-width plan.</li> <li>• Minimum/basic data-rate plan.</li> <li>• Capacity/client-density analysis.</li> <li>• Physical walls, partitions and other obstructions.</li> </ul> <p>The bidder shall not assume that existing AP mounting locations are automatically suitable for the new deployment where the predictive design indicates that an AP needs to be relocated, the bidder shall identify and recommend the revised location.</p> | <p><b>4.</b></p> <p>Compliance ( Yes/ No)</p> |
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| <p>5. RF Heat Maps and Deliverables</p> <ul style="list-style-type: none"> <li>● RSSI / signal-strength heat maps.</li> <li>● SNR heat maps.</li> <li>● Channel utilization heat maps.</li> <li>● Co-channel interference (CCI) heat maps.</li> <li>● Adjacent-channel interference (ACI) heat maps.</li> <li>● Data-rate / PHY-rate analysis.</li> <li>● 2.4 GHz coverage.</li> <li>● 5 GHz coverage.</li> <li>● AP placement and channel plan.</li> <li>● Transmit-power plan.</li> <li>● RF cell-size/capacity analysis.</li> <li>● Azimuth/horizontal-plane heat maps.</li> <li>● Elevation/vertical-plane analysis wherever applicable.</li> </ul> <p>All heat maps shall be clear, readable and traceable to the relevant floor plan, AP locations and survey/design criteria.</p> | <p>5.<br/>Compliance (Yes/ No)</p> |
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| <p><b>6. Pre-Installation Physical RF Survey</b></p> <p>Prior to final installation, the bidder shall conduct an on-site RF survey using the proposed professional survey solution and RF survey adapter/analyzer.</p> <ul style="list-style-type: none"> <li>● Existing RF environment assessment.</li> <li>● Existing AP coverage and client distribution assessment.</li> <li>● Existing channel utilization and interference assessment.</li> <li>● RSSI and SNR measurement.</li> <li>● Identification of coverage gaps and high-noise areas.</li> <li>● Assessment of existing AP loading.</li> <li>● Assessment of proposed AP locations.</li> <li>● Identification of AP relocation requirements.</li> <li>● Validation of predictive design against actual site conditions.</li> </ul> <p>Any significant variation between the predictive design and actual site conditions shall be incorporated into the final AP placement and RF design.</p> | <p><b>6. Compliance</b><br/>( Yes/ No)</p> |
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| <p><b>7. Access Point Installation and Deployment</b></p> <ul style="list-style-type: none"> <li>● Removal of identified existing wall-mounted Access Points.</li> <li>● Installation of 16 Cisco Meraki MR57 Access Points.</li> <li>● Installation of standard and/or customized mounting hardware.</li> <li>● Connection to existing LAN connectivity/ laying of additional cable through proper conduits</li> <li>● Verification of PoE availability and operation.</li> <li>● AP naming, labeling and physical identification.</li> <li>● Verification of switch-port connectivity.</li> <li>● Onboarding and commissioning in the existing Meraki Dashboard.</li> <li>● LAN cabling through suitable conduits - 1 inch Rectangular type PVC and 1 inch Circular PVC pipes/ conduits</li> </ul> <p>Installation shall be performed at locations identified through the approved RF design. Like-for-like replacement at the existing AP location shall not be mandatory where the RF survey identifies a technically superior location.</p> | <p><b>7.</b><br/>Compliance ( Yes/ No)</p> |
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| <p><b>8. High-Ceiling and Customized Mounting Requirements</b></p> <p>The deployment area has a ceiling height of approx 30 feet. The bidder shall therefore be responsible for assessing the actual site conditions and providing a safe, secure and RF-appropriate mounting solution for every AP.</p> <ul style="list-style-type: none"> <li>● Assess each proposed AP mounting location and structural arrangement.</li> <li>● Provide customized brackets, extensions, adapters, cantilever arms or other engineered mounting assemblies where required.</li> <li>● Accommodate AP orientation and height as determined by the RF design.</li> <li>● Provide appropriate mechanical support and fixing arrangements.</li> <li>● Provide cable routing, strain relief and safety arrangements/lanyards where required.</li> <li>● Ensure the mounting arrangement does not adversely affect RF performance or maintenance access.</li> <li>● Propose alternative mounting solutions where standard manufacturer mounting kits are not technically or physically suitable.</li> </ul> <p>Alternative mounting solutions may include extended mounting brackets, customized cantilever arms, structural mounting assemblies, pole/column mounting or other suitable engineered solutions, subject to prior approval by IIT Hyderabad. The proposed mounting arrangement shall be aesthetically suitable for the existing auditorium environment and shall be designed to blend with the architectural/wood-finished interiors. The installation shall not damage, deface, weaken or adversely affect the existing walls, wooden wall panelling, ceiling, seating, flooring or other architectural finishes. Any drilling, anchoring, cutting or fixing shall be carried out only at approved locations and using suitable methods appropriate to the actual substrate. The bidder shall be responsible for any damage caused during installation.</p> <p>The bidder shall inspect the site and verify the existing wall/structural construction before finalizing the mounting method. Surface-mounted solutions shall be preferred wherever technically feasible, and all exposed brackets, supports, cable routes and fixings shall be neatly finished and aesthetically integrated with the auditorium interiors.</p> | <p><b>8.</b><br/>Compliance ( Yes/ No)</p> |
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| <p><b>9. Detailed RF Optimization and Engineering</b></p> <p><b>9.1 Channel Planning</b></p> <ul style="list-style-type: none"> <li>● 2.4 GHz and 5 GHz channel availability.</li> <li>● Channel reuse and AP density.</li> <li>● Co-channel and adjacent-channel interference.</li> <li>● Channel utilization.</li> <li>● DFS considerations where applicable.</li> <li>● Roaming requirements.</li> </ul> <p><b>9.2 Transmit Power Optimization</b></p> <ul style="list-style-type: none"> <li>● Determine appropriate minimum and maximum transmit power.</li> <li>● Balance AP transmit power with client transmit capability.</li> <li>● Avoid unnecessarily large RF cells.</li> <li>● Reduce excessive AP overlap.</li> <li>● Improve roaming and reduce sticky-client behaviour.</li> <li>● Ensure adequate coverage at the actual user/seating level.</li> </ul> <p><b>9.3 Minimum / Basic Data Rates</b></p> <p>The bidder shall review and optimize basic/minimum data rates to reduce unnecessary low-rate client associations, improve airtime efficiency, improve roaming and prevent legacy/low-rate clients from unnecessarily consuming airtime. Final configured values shall be documented.</p> <p><b>9.4 Channel Width</b></p> <p>The bidder shall determine appropriate channel widths based on the high-density environment. 20 MHz, 40 MHz and 80 MHz configurations shall be evaluated as applicable. Wider channels shall not be selected merely for theoretical throughput where they increase co-channel interference or reduce channel reuse.</p> | <p><b>9. Compliance</b><br/>( Yes/ No)</p> |
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| <p><b>10. Meraki RF Profiles and Client Distribution</b></p> <p>The bidder shall create and implement appropriate Meraki RF profiles specifically for the 800-seater high-density environment.</p> <ul style="list-style-type: none"> <li>• Transmit power.</li> <li>• Channel selection.</li> <li>• Channel width.</li> <li>• Minimum/basic data rates.</li> <li>• RF cell sizing.</li> <li>• Channel reuse.</li> <li>• High-density operation.</li> <li>• Roaming requirements.</li> </ul> <p>The bidder shall specifically assess the existing condition of users disproportionately associating with selected APs and optimize RF parameters to promote appropriate client distribution. The bidder shall address the underlying RF conditions rather than relying solely on client load-balancing mechanisms.</p> | <p>10. Compliance ( Yes/ No)</p> |
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| <p><b>11. Post-Installation RF Survey and Corrective Optimization</b></p> <p>Following installation and RF optimization, the bidder shall conduct a complete post-installation RF survey covering the entire 800-seater area using the proposed professional RF survey/design solution.</p> <ul style="list-style-type: none"> <li>● RSSI.</li> <li>● SNR.</li> <li>● Channel utilization.</li> <li>● Co-channel interference.</li> <li>● Adjacent-channel interference.</li> <li>● Data rates and PHY rates.</li> <li>● AP coverage and RF overlap.</li> <li>● Coverage gaps.</li> <li>● AP/client distribution.</li> <li>● Roaming behaviour.</li> <li>● High-density performance.</li> </ul> <p>The post-installation results shall be compared with the predictive design. Any RF coverage, interference, AP placement, client distribution or configuration issue attributable to the bidder's design or implementation shall be corrected by the bidder within the scope of work and without additional cost to IIT Hyderabad.</p> | <p><b>11.</b></p> <p>Compliance ( Yes/ No)</p> |
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| <p><b>12. Meraki Dashboard Integration and Licensing</b></p> <p>The successful bidder shall integrate all 16 no.s of Meraki MR57 APs into the existing IIT Hyderabad Cisco Meraki Dashboard organization. As specified in the tender, the current requirement is for deployment under the <a href="https://dashboard.meraki.com">dashboard.meraki.com</a> organization.</p> <ul style="list-style-type: none"> <li>● Device claiming and license activation.</li> <li>● Organization/network assignment.</li> <li>● AP naming and location configuration.</li> <li>● Configuration deployment.</li> <li>● Dashboard verification.</li> <li>● Monitoring and alerting validation.</li> <li>● 5-year Enterprise subscription association.</li> </ul> <p>The bidder shall coordinate with IIT Hyderabad for Dashboard organization details and implementation access. The supplied licenses shall be associated with the IIT Hyderabad account/organization as required.</p> | <p>12.<br/>Compliance ( Yes/ No)</p> |
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| <p><b>13. Meraki Firmware, Software Upgrade Cycle and Compatibility</b></p> <p>The successful bidder shall ensure that the supplied MR57 APs are fully compatible with the existing Cisco Meraki infrastructure, Dashboard environment, management architecture and supported software/firmware versions deployed by IIT Hyderabad.</p> <ul style="list-style-type: none"> <li>● Review the existing Meraki Dashboard environment and deployed firmware/software versions.</li> <li>● Verify MR57 compatibility with the existing Meraki devices and management environment.</li> <li>● Recommend an appropriate supported firmware/software version.</li> <li>● Follow IIT Hyderabad's change-management and maintenance-window process.</li> <li>● Ensure firmware changes do not adversely affect existing Meraki APs, switches or other managed devices.</li> <li>● Validate compatibility before production upgrades.</li> <li>● Monitor relevant Meraki firmware releases during the support period.</li> <li>● Recommend security, stability and feature-related upgrades where appropriate.</li> <li>● Carry out approved upgrades and post-upgrade validation.</li> <li>● Validate SSIDs, Aruba ClearPass authentication, RF profiles, roaming and connectivity after upgrades.</li> </ul> <p>No production firmware/software upgrade shall be performed without prior coordination and approval from IIT Hyderabad. Firmware/software updates required to maintain the proposed and supplied solution in a supported and secure operating condition during the warranty/support period shall be covered under the applicable support scope.</p> | <p>13.<br/>Compliance (Yes/ No)</p> |
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| <p><b>14. ClearPass Integration – 802.1X, Guest and New SSIDs</b></p> <p>The successful bidder shall integrate the newly deployed Meraki APs with the existing Aruba ClearPass infrastructure and shall take end-to-end responsibility for configuration, testing, commissioning and handover of all wireless authentication services required under this deployment.</p> <p><b>14.1 802.1X for “IITH” SSID</b></p> <ul style="list-style-type: none"> <li>• Meraki SSID configuration.</li> <li>• ClearPass RADIUS integration.</li> <li>• Authentication server and policy configuration.</li> <li>• 802.1X authentication.</li> <li>• Applicable user/device authentication.</li> <li>• VLAN assignment.</li> <li>• Role/policy assignment.</li> <li>• Authorization policy validation.</li> <li>• Authentication failure handling.</li> <li>• Re-authentication.</li> <li>• End-to-end client connectivity.</li> </ul> <p><b>14.2 Guest SSID and Self-Registration for IITH_Guest SSID</b></p> <ul style="list-style-type: none"> <li>• Guest SSID configuration on Meraki.</li> <li>• ClearPass Guest integration.</li> <li>• Guest self-registration workflow.</li> <li>• Guest registration page.</li> <li>• Guest authentication and authorization.</li> <li>• Guest role and VLAN assignment.</li> <li>• Guest access policy.</li> <li>• Internet/network access validation.</li> <li>• Session and expiry behaviour.</li> </ul> <p><b>14.3 New Guest Pages / Portal</b></p> <p>The bidder shall take responsibility for implementing, integrating and validating the new guest registration/login pages and associated guest workflows required by IIT Hyderabad.</p> <ul style="list-style-type: none"> <li>• Configuration of new guest portal/pages.</li> </ul> | <p><b>14. Compliance ( Yes/ No)</b></p> |
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- Integration with ClearPass Guest.
- Integration with Meraki wireless infrastructure.
- Guest self-registration testing.
- Guest authentication testing.
- Captive portal/redirection workflow testing.
- Testing using representative client devices.
- Validation of authorized and unauthorized access behaviour.
- Validation of guest account expiry/access termination where applicable.

IIT Hyderabad shall provide required page content, branding and policy requirements. The bidder shall be responsible for the technical implementation and end-to-end testing.

#### 14.4 New SSIDs

The bidder shall be responsible for the complete implementation, configuration, testing and commissioning of all new SSIDs required as part of this deployment, including associated VLANs, ClearPass/RADIUS integration, security policies and access controls.

Configuration changes required on existing Meraki, ClearPass or associated network infrastructure for successful commissioning shall be included in the bidder's scope, subject to IIT Hyderabad approval and access.

### 15. ClearPass and Wireless Acceptance Testing

| Test                           | Acceptance Requirement | 15. Compliance ( Yes/<br>No) |
|--------------------------------|------------------------|------------------------------|
| 802.1X SSID discovery          | Successful             |                              |
| 802.1X authentication          | Successful             |                              |
| Correct VLAN assignment        | Successful             |                              |
| Correct role/policy assignment | Successful             |                              |

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| Authentication failure handling | Correctly rejected     |  |
| Guest SSID discovery            | Successful             |  |
| Guest self-registration         | Successful             |  |
| New guest page/portal           | Successfully displayed |  |
| Guest authentication            | Successful             |  |
| Guest authorization             | Successful             |  |
| Guest VLAN assignment           | Successful             |  |
| Guest Internet access           | Successful             |  |
| Guest session/expiry            | Validated              |  |
| Roaming on authenticated SSID   | Validated              |  |
| Roaming on guest SSID           | Validated              |  |
| RADIUS communication            | Validated              |  |
| ClearPass policy enforcement    | Validated              |  |

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| <p><b>16. End-to-End Testing and Commissioning</b></p> <ul style="list-style-type: none"> <li>● AP power and connectivity.</li> <li>● Meraki Dashboard connectivity and management.</li> <li>● SSID availability.</li> <li>● Client association and authentication.</li> <li>● 802.1X authentication.</li> <li>● Guest authentication and self-registration.</li> <li>● VLAN, DHCP and DNS.</li> <li>● RADIUS/ClearPass communication.</li> <li>● PoE and LAN connectivity.</li> <li>● RSSI and SNR.</li> <li>● Throughput and PHY/data rates.</li> <li>● Roaming.</li> <li>● Client distribution.</li> <li>● RF performance.</li> <li>● Monitoring and alerting.</li> </ul> | <p><b>16.</b><br/>Compliance (Yes/ No)</p> |
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| <p><b>17. RF Performance Acceptance</b></p> <p>The bidder shall demonstrate through the final survey and acceptance report that the implemented wireless network meets the approved RF design criteria and provides appropriate coverage and performance for the 800-seater high-density environment.</p> <ul style="list-style-type: none"> <li>• No significant RF coverage gaps in designated user areas.</li> <li>• Adequate signal strength and SNR.</li> <li>• No unacceptable co-channel or adjacent-channel interference.</li> <li>• Appropriate channel utilization.</li> <li>• Appropriate transmit power and RF cell size.</li> <li>• Appropriate minimum/basic data rates.</li> <li>• Appropriate channel widths.</li> <li>• Balanced AP/client distribution under normal operating conditions.</li> <li>• Successful 802.1X authentication.</li> <li>• Successful guest authentication/self-registration.</li> <li>• Successful roaming and connectivity validation.</li> </ul> | <p><b>17.</b><br/>Compliance (Yes/ No)</p> |
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| <p><b>18. Bidder Eligibility – Similar RF Survey Experience</b></p> <p>The bidder shall have demonstrable experience in enterprise/high-density wireless RF surveys, predictive design, AP deployments and corrective RF optimization in sites of comparable scale and complexity.</p> <p>The bidder shall have successfully completed at least one similar project involving enterprise wireless deployment, predictive RF design, physical RF survey, high-density wireless environment, post-installation RF survey, RF optimization/corrective survey, AP placement optimization, RF parameter optimization and customer acceptance/approval.</p> <p>The bidder shall submit the following along with the technical bid:</p> <p>Details of at least one similar completed project.<br/>Customer name and location.<br/>Project description and approximate number of APs deployed.<br/>Description of RF survey methodology.<br/>Predictive RF design report/sample.<br/>Pre-installation survey report/sample.<br/>Post-installation/corrective RF survey report/sample.<br/>Relevant RF heat maps.<br/>Description of corrective actions undertaken.<br/>Customer acceptance/completion certificate or equivalent evidence.<br/>Customer approval/sign-off for completed RF optimization/corrective survey, wherever available.</p> <p>The submitted projects should preferably demonstrate experience in high-density environments such as large lecture halls, auditoriums, large conference facilities, corporate campuses, stadiums, convention centres or similar environments.</p> <p>Where previous customer reports contain confidential information, the bidder may redact commercially sensitive information, credentials, IP addresses and other confidential data. However, the submitted documents shall clearly demonstrate the RF survey, predictive design, post-installation validation, corrective actions and customer acceptance.</p> | <p><b>18.</b><br/><b>Compliance (</b><br/><b>Yes/ No)</b></p> |
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| <p><b>19. Warranty and Support</b></p> <p>The successful bidder shall provide comprehensive warranty and support for the supplied MR57 APs and associated licenses for five (5) years from successful installation and acceptance, in accordance with the tender conditions.</p> <ul style="list-style-type: none"> <li>• Hardware warranty and RMA coordination.</li> <li>• OEM software/firmware updates and security patches.</li> <li>• Bug fixes and technical support.</li> <li>• Continued Meraki Dashboard/cloud management entitlement.</li> <li>• Support for maintaining compatibility with the existing Meraki environment.</li> <li>• Support for approved firmware/software upgrades.</li> </ul> | <p>19<br/>Compliance ( Yes/ No)</p> |
| <p><b>20. Delivery and Implementation</b></p> <p>The delivery and installation timelines shall follow the tender's specified requirements. The bidder shall coordinate all implementation activities with IIT Hyderabad to minimize disruption to academic, research and administrative activities.</p> <p>Activities involving network downtime, migration or commissioning shall be undertaken during approved maintenance windows, normally after office hours, as coordinated with IIT Hyderabad.</p>                                                                                                                                                                                                      | <p>20. Compliance ( Yes/ No)</p>    |

## 21. Documentation and Handover

1. Bill of Material and asset details including model and serial number.
2. Final AP location/layout drawing.
3. Updated network diagram.
4. As-built documentation.
5. Meraki Dashboard configuration summary.
6. Final RF profile configuration.
7. Channel plan.
8. Transmit-power configuration.
9. Minimum/basic data-rate configuration.
10. Channel-width configuration.
11. Predictive RF design report.
12. Pre-installation RF survey report.
13. Post-installation RF survey report.
14. RSSI heat maps.
15. SNR heat maps.
16. Channel utilization heat maps.
17. CCI/ACI heat maps.
18. Data-rate/PHY-rate heat maps.
19. Azimuth/horizontal coverage maps.
20. Elevation/vertical-plane analysis where applicable.
21. Before-and-after RF comparison.
22. ClearPass integration and test report.
23. 802.1X authentication test results.
24. Guest/self-registration test results.
25. New guest page/portal test results.
26. Testing and commissioning report.
27. User Acceptance Test report.
28. License registration details.
29. Warranty/support documentation.
30. OEM documentation.
31. Installation completion report.

## 21.

Compliance (Yes/ No)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <p><b>22. Site Survey and Pre-Bid Inspection</b></p> <p>A pre-bid technical site visit may be arranged on any working day of IIT Hyderabad with prior appointment, as specified by IIT Hyderabad. Bidders are advised to inspect the relevant deployment locations and existing infrastructure before submitting their bids.</p> <ul style="list-style-type: none"> <li>● Existing AP locations.</li> <li>● Existing cabling and network connectivity.</li> <li>● Switch ports and PoE availability.</li> <li>● Physical mounting conditions.</li> <li>● Ceiling height and structural constraints.</li> <li>● RF environment.</li> <li>● User seating arrangement.</li> <li>● Existing Meraki Dashboard environment.</li> <li>● Existing ClearPass authentication architecture.</li> <li>● Existing SSIDs, VLANs and policies.</li> </ul> <p>The bidder shall take all site conditions into consideration while preparing the technical and financial offer.</p> | <p><b>22.</b><br/>Compliance ( Yes/ No)</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|

### 23. Mandatory End-to-End Responsibility Clause

The successful bidder shall be responsible for the complete end-to-end delivery of the wireless solution, including RF design, predictive modelling, physical survey, AP placement, customized mounting arrangements, installation, Meraki Dashboard integration, RF configuration, RF optimization, Aruba ClearPass 802.1X and Guest integration, guest self-registration and portal/page implementation, new SSID implementation, testing, post-installation corrective survey, firmware/software compatibility validation, commissioning and handover.

The bidder shall be responsible for identifying and resolving deficiencies relating to RF coverage, RF interference, AP placement, client distribution, authentication, roaming, mounting, firmware/software compatibility and configuration that are identified during implementation and acceptance testing.

The scope shall not be interpreted as a simple replacement of existing Access Points. The bidder shall deliver a fully optimized and operational high-density wireless environment meeting the technical requirements of IIT Hyderabad.

**23.**  
**Compliance (**  
**Yes/ No)**

### 24. Custom Heavy-Duty Horizontal Cantilever & Behind-Chairs Low height Stands

**Installation Basis:** AP locations, heights and orientations shall be finalized in accordance with the IIT Hyderabad RF survey, approved RF design and actual site conditions.

| S.No. | Technical Specification / Requirement                                                                                                                                     | Bidder's Compliance (YES / NO) | Bidder's Remarks / Offered Specification |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------|
| 1     | Supply, installation, configuration and commissioning of 16 Nos. Cisco Meraki MR57 Access Points at LHC-05 – 800-seat Lecture Hall, as per the approved RF survey/design. |                                |                                          |
| 2     | 10 Nos. MR57 APs shall be mounted on the auditorium side/rear walls using custom heavy-duty horizontal                                                                    |                                |                                          |

|    |                                                                                                                                                                                                                                      |  |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|    | cantilever brackets where ceiling mounting is not feasible.                                                                                                                                                                          |  |  |
| 3  | The cantilever bracket shall have minimum 600 mm horizontal projection, with suitable structural support/gusset and minimum 5 kg safe working load.                                                                                  |  |  |
| 4  | Cantilever shall include suitable wall mounting plate, AP mounting plate, heavy-duty anchors/fasteners, anti-corrosion treatment, powder-coated finish and independent safety cable/lanyard.                                         |  |  |
| 5  | Cantilever shall provide protected/concealed CAT6A cable routing and shall be mechanically compatible with the OEM MR57 mounting hardware without modification to the AP.                                                            |  |  |
| 6  | The 10 wall-mounted MR57 APs shall be installed facing downward, with final orientation determined by the approved RF survey/design.                                                                                                 |  |  |
| 7  | 6 Nos. MR57 APs shall be installed behind the auditorium chairs on suitable custom low-height floor-mounted stands positioned in the block pathways/gaps between seating blocks. The block pathways have approximately 6 feet width. |  |  |
| 8  | The AP stand shall be rigid, stable and securely floor-anchored, with suitable base plate, fasteners, cable protection and independent safety retention arrangement.                                                                 |  |  |
| 9  | The complete MR57 AP assembly, including its antenna/radio portion, shall not extend above the top level of the auditorium chair backs.                                                                                              |  |  |
| 10 | The behind-chair AP arrangement shall not obstruct the audience's line of sight to the dais/stage/screen.                                                                                                                            |  |  |
| 11 | The 6 behind-chair MR57 APs shall be mounted as per the approved RF design.                                                                                                                                                          |  |  |
| 12 | Stand height shall be adjusted according to the actual chair-back height at each location; a typical height of approximately 2.8 feet may be adopted where suitable. Chair height is approx. 3.3 feet                                |  |  |

|    |                                                                                                                                                                                                            |  |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 13 | AP locations, stand heights and orientations shall be adjusted at site as required to maintain RF coverage while avoiding obstruction to pedestrian movement, emergency access and auditorium circulation. |  |  |
| 14 | All MR57 mounting arrangements shall use the OEM mounting hardware/interface wherever applicable. No drilling, modification or alteration of the MR57 AP shall be permitted.                               |  |  |
| 15 | Bidder shall submit the proposed cantilever and behind-chair stand arrangement/general arrangement drawing for IIT Hyderabad approval before fabrication/installation.                                     |  |  |

### Key Requirements

- 16 Nos. MR57 APs: 10 wall-cantilever + 6 behind-chair stand installations.
- Six behind-chair APs shall be positioned in the block pathways/gaps between seating blocks, behind the chairs.
- The complete AP/antenna assembly shall remain at or below adjacent chair-back level and shall not obstruct the audience's view of the dais/stage.
- Final locations, stand heights and orientations shall be adjusted to suit the RF survey and actual site conditions.

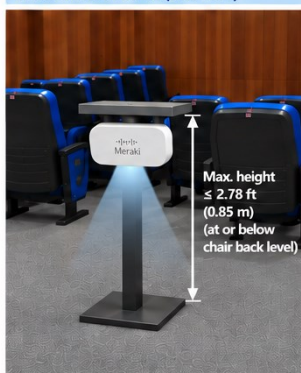
**IIT Hyderabad – LHC-05 (800-Seat Lecture Hall)**  
Cisco Meraki MR57 Access Point Deployment (Reference Illustration)



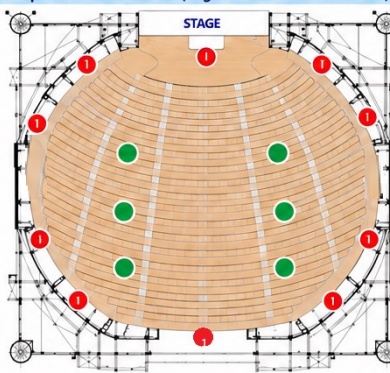
**A. Wall-Mounted MR57 (Side View)**



**B. Behind-Chair Stand (Side View)**



**C. Top View – AP Locations (Aligned with Auditorium View)**



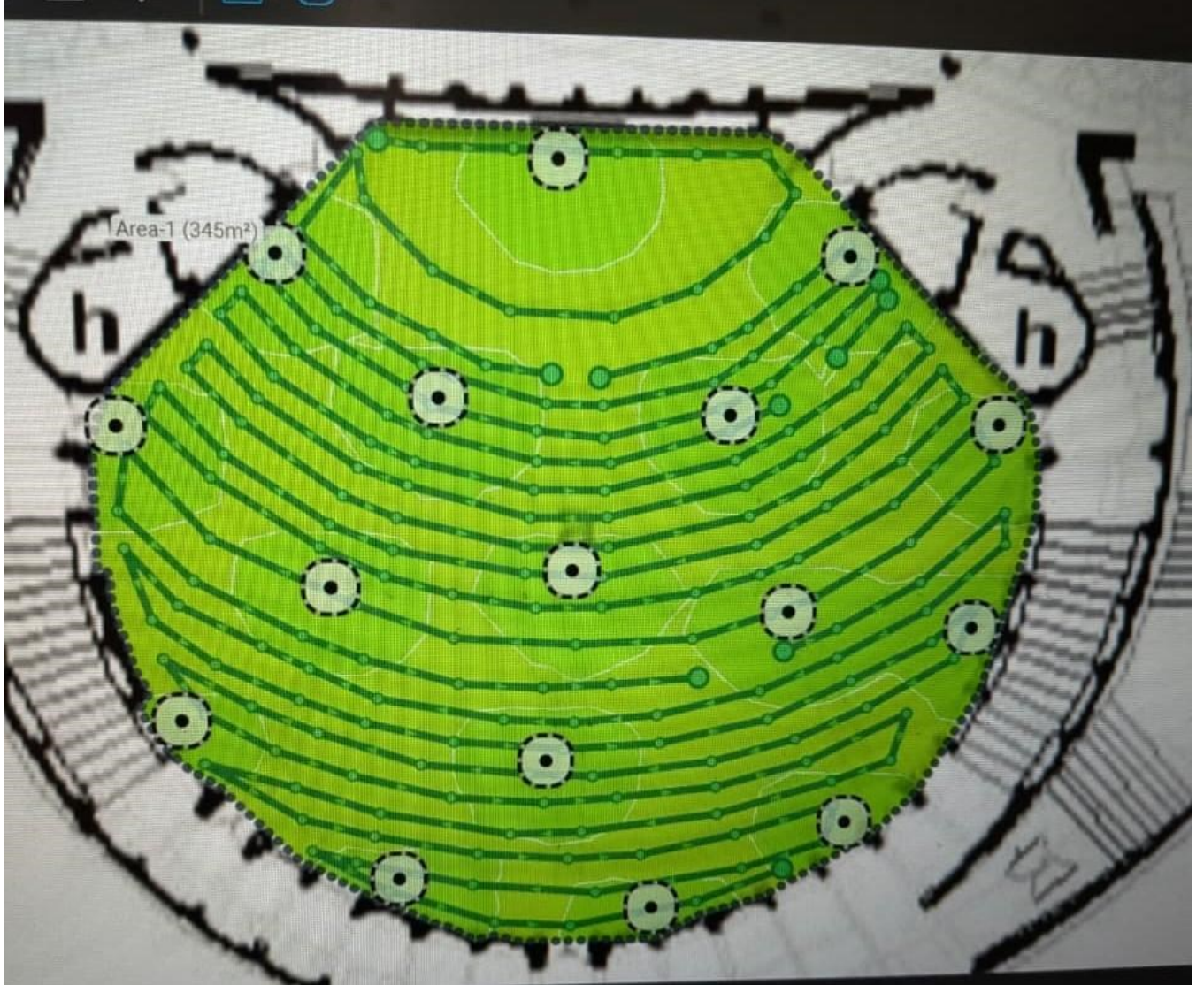
**Legend**

- **1 – 10 Wall-Mounted APs**  
(At window height, max 9 ft from stair/landing level, facing downwards)
- **11 – 16 Behind-Chairs APs**  
(In block pathways, low-height stands, facing downwards)

**Key Dimensions**

Cantilever Projection : 600 – 750 mm (horizontal)  
Behind-Chair Stand Height : ≤ 2.78 ft (0.85 m)  
(at or below chair back level)

Behind-chair stands shall be positioned immediately behind the chairs in the block pathways.  
Final locations and orientations shall be adjusted as per RF survey and site conditions.  
This is a reference illustration only and does not indicate actual/final AP locations, dimensions or fabrication details.



#### Reference Image Disclaimer

**Reference Images / Illustrations:** The images and illustrations provided in this tender are \*\*for reference and conceptual understanding only and shall not be considered as indicating the actual/final AP locations, mounting heights, dimensions, orientation or fabrication details. The bidder shall independently verify the actual site conditions and shall carry out the required site measurements and RF/design validation before execution. Final AP placement, mounting arrangement and fabrication shall be as per the approved RF design, site conditions and IIT Hyderabad's instructions.

## 25. Compliance Schedule

| S. No. | Technical Requirement                                                                                                        | Compliance (Yes/No) |
|--------|------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 1      | Delivery and installation of 16 Nos. Cisco Meraki MR57 APs and 5-year Enterprise licenses                                    | Yes / No            |
| 2      | Predictive RF design using Ekahau or equivalent professional RF survey/design solution                                       | Yes / No            |
| 3      | Pre-installation RF survey                                                                                                   | Yes / No            |
| 4      | Post-installation RF survey                                                                                                  | Yes / No            |
| 5      | RSSI, SNR, channel utilization, CCI and ACI analysis                                                                         | Yes / No            |
| 6      | Azimuth/horizontal heat maps                                                                                                 | Yes / No            |
| 7      | Elevation/vertical-plane analysis where applicable                                                                           | Yes / No            |
| 8      | Transmit-power optimization                                                                                                  | Yes / No            |
| 9      | Minimum/basic data-rate optimization                                                                                         | Yes / No            |
| 10     | Channel-width optimization                                                                                                   | Yes / No            |
| 11     | Meraki RF profile creation and optimization                                                                                  | Yes / No            |
| 12     | High-density client distribution optimization                                                                                | Yes / No            |
| 13     | Customized/alternative mounting - Horizontal Cantilever - 10 qty, Behind-Chair stands for floor mounted AP solutions- qty: 6 | Yes / No            |
| 14     | Meraki Dashboard integration                                                                                                 | Yes / No            |
| 15     | Meraki firmware/software compatibility and upgrade-cycle support                                                             | Yes / No            |
| 16     | ClearPass 802.1X integration                                                                                                 | Yes / No            |
| 17     | ClearPass Guest self-registration integration                                                                                | Yes / No            |

|    |                                                                               |          |
|----|-------------------------------------------------------------------------------|----------|
| 18 | New guest pages/portal implementation and testing                             | Yes / No |
| 19 | New SSID implementation and testing                                           | Yes / No |
| 20 | End-to-end authentication and roaming testing                                 | Yes / No |
| 21 | Minimum two similar previous RF projects                                      | Yes / No |
| 22 | Submission of previous predictive/post-installation/corrective survey reports | Yes / No |
| 23 | Submission of customer acceptance/approval evidence                           | Yes / No |
| 24 | Complete documentation and handover                                           | Yes / No |

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| S.No | Terms and Conditions                                                                                                                                                                                                                                                                                                                                                                                                                    | Compliance (Yes/No) |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 1    | <p>Throughout the warranty and support period of 5 years, the successful bidder must provide onsite technical support at IIT Hyderabad within 6 hours from the time a support ticket or complaint is raised by IIT Hyderabad through a phone call or bidder's complaint system portal or an email to the bidder.</p> <p>The successful bidder shall provide onsite support on a 24x7x365 days basis throughout the warranty period.</p> |                     |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|   | Since IIT Hyderabad is a research and academic institution with critical services operating round the clock, the successful bidder shall ensure onsite support within the response time specified in the tender, irrespective of normal business hours.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| 2 | <p><b>Delivery and Installation</b></p> <ul style="list-style-type: none"> <li>a. Delivery period: 8 weeks from the date of Purchase Order of IIT Hyderabad</li> <li>b. Installation and configuration period: within 3 weeks after delivery to IITH.</li> <li>c. The successful bidder shall activate and assign the 5-Year Cisco Meraki Enterprise Subscription Licenses (LIC-ENT-5YR) for the entire quantity of Access Points supplied under this tender. The licenses shall be claimed and reflected in the existing IIT Hyderabad Cisco Meraki Dashboard Organization.</li> </ul> <p>The current requirement is for the APs replacement in the location where the control of APs are managed through <a href="http://dashboard.meraki.com">dashboard.meraki.com</a>, hence, the bidder shall install the APs procured through this tender only in the <a href="http://dashboard.meraki.com">dashboard.meraki.com</a></p> <ul style="list-style-type: none"> <li>d) The successful bidder shall coordinate with IIT Hyderabad during implementation for license claiming, device onboarding, and integration with the Cisco Meraki Dashboard . The necessary administrative support shall be provided during project execution.</li> <li>e) The Cisco Meraki Dashboard Organization ID(s) and other implementation-specific details shall be provided to the successful bidder during project implementation, as required for license claiming, device onboarding, and commissioning activities.</li> <li>e) The warranty for all supplied Cisco Meraki Access Points shall be registered in the name of IIT Hyderabad and shall be visible in the Institute's Cisco Smart Account/Cisco Support Portal, clearly indicating the applicable warranty and support period.</li> </ul> |  |
| 3 | <p>The successful bidder and the OEM shall ensure that the activation of all licenses and associated subscriptions ( covering hardware warranty, cloud dashboard licenses or Meraki cloud controller subscriptions, or any software entitlement) shall commence only after 3 weeks from the date of delivery of the equipment to IIT Hyderabad or on the date of complete installation of the APs.</p> <p>Under no circumstances shall license activation or subscription commencement occur automatically upon shipment or invoicing by the OEM or its distributor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 4 | <p>Bidder must submit Manufacturer Authorization Form ( MAF) from the OEM.</p> <p>- OEM's Certification authorizing the bidder as a local partner / representative in India for the supply and installation of items indicated with the Tender Document with name and number. Further the OEM should give undertaking for supporting supplied equipment for 5 years directly / through their authorized dealers / vendors.</p> <p>Submission of a valid MAF is mandatory. Bids submitted without the required MAF or with an invalid/incomplete MAF shall be treated as non-responsive and are liable to be rejected during the technical evaluation.</p>                                                                                                                                                                           |  |
| 5 | <p>The successful bidder shall procure all equipment/hardware, support, and licenses (specific to this bid) on a back-to-back basis directly from the Original Equipment Manufacturer (OEM).</p> <p>The bidder shall submit OEM contract copies or OEM-issued artifacts related to the same, clearly indicating the quantity of Cisco Meraki MR57 series Access Points (APs), the corresponding license details, and the duration/validity period for which the licenses and support are provided.</p> <p>The supplied licenses shall be visible in the Cisco Meraki dashboard under IIT Hyderabad's account/ Organization ID.</p> <p>The successful bidder must place the order with the OEM and all such OEM artifacts must be submitted to IIT Hyderabad within two weeks from the date of issue of the Purchase Order (PO).</p> |  |
| 6 | <p><b>Compatibility Requirement:</b></p> <p>The offered switches shall be exactly the same models as specified in the tender.</p> <p>No alternate models, variants, successor models, or equivalent products shall be accepted.</p> <p>This requirement is essential to ensure seamless interoperability with the Institute's existing network infrastructure, specifically:</p> <p>The proposed Cisco Meraki MR57 model Access Points shall be fully compatible with and manageable through the Institute's existing Cisco Meraki Cloud Dashboard without requiring any additional controller, migration, or change in the existing management architecture.</p> <p>Any deviation from the specified models shall be treated as non-compliance and the bid is liable to be rejected.</p>                                           |  |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 | <p>Warranty, Software Support, and Hardware Replacement (RMA)</p> <ul style="list-style-type: none"> <li>• The successful bidder shall provide comprehensive warranty and support for the supplied Cisco Meraki Access Points for a period of five (5) years from the date of successful installation and acceptance by IIT Hyderabad.</li> <li>• During the warranty period, the bidder shall ensure Best Effort RMA support for any Access Point that develops a hardware fault. The bidder shall coordinate with the OEM and facilitate the replacement of defective hardware with minimum possible downtime, at no additional cost to IIT Hyderabad</li> <li>• The warranty shall also include all applicable software upgrades, firmware updates, security patches, bug fixes, and technical support provided by the OEM throughout the entire warranty period. The bidder shall ensure that the supplied Access Points remain fully licensed, supported, and manageable through the existing Cisco Meraki Cloud Dashboard during the warranty period.</li> </ul> |
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### **Eligibility Criteria**

1. This procurement is being undertaken on a **Proprietary Article Certificate (PAC)** basis for ensuring compatibility, standardisation, seamless integration, and lifecycle support with the existing Cisco network infrastructure installed at IIT Hyderabad.
2. **Only the following entities shall be eligible to participate in this tender:**
  - **M/s Cisco Systems Inc. (OEM); or**
  - **Authorized Partners/Authorized Distributors of M/s Cisco Systems Inc in India.**
3. Bidders other than the OEM shall submit a **valid Manufacturer's Authorisation Form (MAF)/Authorization Certificate** issued by **M/s Cisco Systems Inc.**, specifically authorising the bidder to quote, supply, install, commission (where applicable), and provide warranty and after-sales support for the offered products in India.
4. The authorisation shall be **valid on the date of bid submission** and shall clearly establish the bidder's authorisation for the products offered against this tender.
5. The bidder shall ensure that all licenses, subscriptions, and support services (where applicable) are provisioned directly by or through the OEM.
6. **Bids submitted by firms other than M/s Cisco Systems Inc. or its authorised partners/distributors in India shall be treated as non-responsive and rejected during technical evaluation.**

- 7. This tender is being floated as a Global Tender Enquiry (GTE). Accordingly, bidders irrespective of their local content, including Non-Local Suppliers (local content below 20%), are eligible to participate, subject to compliance with the tender conditions.**

**For any technical query related to enquiry, you may contact**

Prof. Kotaro Kataoka, Email: [kotaro@cse.iith.ac.in](mailto:kotaro@cse.iith.ac.in)

Mr. Imtiaz Ahmed, Email: [imtiaz.ahmed@comp.iith.ac.in](mailto:imtiaz.ahmed@comp.iith.ac.in)

Mr. Jessy Bondla, Email: [jessy.bondla@comp.iith.ac.in](mailto:jessy.bondla@comp.iith.ac.in)

**For Commercial query:**

Mr. M Venkatesh – Senior Assistant Registrar, Email: [ar.purchase@iith.ac.in](mailto:ar.purchase@iith.ac.in)

Mr. Ramesh Kumar – Senior Assistant Registrar Email: [ar.stores@iith.ac.in](mailto:ar.stores@iith.ac.in)

Ms. D Chanchala Devi– Joint Registrar, Email: [hos.snp@iith.ac.in](mailto:hos.snp@iith.ac.in)

With CC: [office.stores@iith.ac.in](mailto:office.stores@iith.ac.in)

**TERMS AND CONDITIONS**

1. **Delivery period:** Material should be delivered and installed within **8 weeks** from the date of issue of the purchase order. The delivery period offered has to be strictly adhered to in case an order is placed. Installation should be within 3 weeks from the date of the purchase order.
2. **Payment: - No advance payments are allowed under any circumstances.** 100% payment will be made against Delivery, Installation, Commissioning, Training & acceptance by IIT Hyderabad and submission of **Performance Bank Guarantee** for the value of 5% of the order value, valid for a period of **Warranty/Support period plus 60 days.**
3. **Earnest Money Deposit (EMD):**
  - i. The tender documents must be accompanied by an Earnest Money Deposit (EMD) of **Rs. 89,500/-** in the form of **Account Transfer/Demand Draft/Bank guarantee from any commercial bank on any Scheduled/Nationalized Bank in favour of the Director, Indian Institute of Technology Hyderabad.**
  - ii. The original document in case of EMD (other than MSME/NSIC) should be posted/couriered/given in person to the Stores & Purchase Section of IIT Hyderabad on or before the opening of Technical Bid. In case of non-receipt of original document before the due date of opening of technical bid, the uploaded bid will be summarily rejected.

**For Online Payment of EMD /& Tender Fees:** The EMD/Tender Fees can also be paid online, the bank details are as follows:

| Canara Bank Account Details |                  |
|-----------------------------|------------------|
| Name of the Bank            | Canara bank      |
| Branch Name & Bank Code     | IIT KANDI & 3458 |
| Account Number              | 110171129768     |
| Pan No. of the institute    | AAAAI2661J       |
| GST no. of the institute    | 36AAAAI2661J1ZP  |
| Bank Branch IFSC code       | CNRB0003458      |
| Bank Branch MICR code       | 500015066        |
| SWIFT:                      | CNRBINBBBFD      |

**The Online payment proof needs to be uploaded along with the Technical Bid.**

**The firm registered with NSIC/MSME/Udyam Adhaar must give proof of registration along with their quotation failing which the bid will not be considered.**

Exemption from submission of EMD/Tender Fees against valid and relevant NSIC /MSME Certification is permitted, however it shall be subject to scrutiny by the IITH and if during scrutiny, it is found that the NSIC Certificate is invalid and/or irrelevant, then that bid is liable to be rejected as “not-accompanying EMD”. Therefore, Bidders claiming exemption from EMD/Bid Securing Declaration against NSIC certificate, should ensure the same carefully, while submission of their bids.

**Note:** If in the view of bidder, any exemption / relaxation is applicable to them from any of the eligibility requirements, under any Rules / Guidelines/ Directives of Government of India, bidder may submit their claim for the applicable exemption /relaxation, quoting the valid Rule/Guidelines/ Directives with a copy of such notification. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of their claim. The relevant and valid certificates in support of claim of exemption must be submitted along with the Technical Bid.

i) The BIDDER who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit Proforma invoice of their principals for this tender.

ii) The successful BIDDER, on award of contract / order, must send the contract / order acceptance in writing, within 15 days of award of contract.

iii) Bids submitted without Bid Securing Declaration / relevant MSME/NSIC Certificates will be rejected & no correspondence in this regard shall be entertained.

iv) These exemptions /relaxations are meant for procurement of only goods produced and services rendered by MSEs. Traders/ distributors/ sole agent/ Works Contract are excluded from the purview of the policy.

This Bid is also governed by the latest General terms and conditions as per GeM.

#### **4. Bid Opening and Evaluation Process:**

- Technical Bids will be opened as per the Date Schedule & Time.
- Financial Bids/Commercial Bids of the eligible bidders will be opened at a later date. The date and time for opening of Financial Bids /Commercial will be announced later.
- Bids would be summarily rejected if the tender is submitted other than through an online portal. The Bid is to be submitted within the stipulated date / time.

#### **Technical Committee**

(i) On the due date the Technical bids will be opened and referred to a duly constituted technical committee which is duly constituted. The committee will go through the technical aspects of the tender and recommend short listed firms. The recommendation of the technical committee is the final and binding on all the parties.

(ii) The technical evaluation will be an assessment of the Technical Bid. IIT Hyd representatives will proceed through a detailed evaluation of the Technical Bids as defined in Annexure - A (Schedule of requirements, specifications and allied technical details), in order

to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, IIT Hyd will examine the information supplied by the BIDDERS, and shall evaluate the same as per the specifications mentioned in this tender.

(iii) The technical committee may formulate evaluation criteria in addition to the specifications and requirements indicated in the tender, in the interest of IIT Hyd and these criteria/recommendation will also form as a part of short-listing of the firms.

(iv) The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IIT Hyd or from other Institutes, these feedbacks will be considered for technical evaluation, the bidders will also be called for technical presentations if it is required so. The bidder will have to provide the details/any additional documents as and when sought by the Technical committee.

(v) The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.

(vi) After the technical evaluation is completed and approved, IIT Hyd shall inform to the BIDDERS whose bids have been rejected technically with the reasons for rejection.

(vii) The successful BIDDERS will be informed regarding the date and time of Commercial bid opening.

(viii) In the event of seeking any clarification from various BIDDERS by IIT Hyd , the BIDDERS are required to furnish only technical clarifications that are asked for. No amendment to commercial bid will be entertained at that stage. In case if a BIDDER fails to quote for a particular item it amounts to non-compliance and hence such bid will not be considered for further evaluation. Further during this process if any BIDDER indicates the price during the clarification such bids also will not be considered for further evaluation.

**5. The Director, IIT Hyd reserves the right to accept the offer in full or in parts or reject summarily or partly.**

**6. Bid Validity Period:**

a. The prices must be valid at least for a period of **90 days** from the date of opening of the Tender. No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later

b. IIT Hyd may ask for the BIDDER's consent to extend the period of validity. Such request and the response shall be made in writing only. The BIDDER is free not to accept such request. A BIDDER agreeing to the request for extension will not be permitted to modify his bid.

c. Bid evaluation will be based on the bid prices without taking into consideration the above corrections

**7. AWARD OF CONTRACT:**

a. IIT Hyd, shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated commercial bid.

b. If more than one BIDDER happens to quote the same lowest price, IIT Hyd reserves the right to award the contract to more than one BIDDER or any BIDDER.

**8. IIT Hyd reserves the right to vary quantities at the time of Award:**

a. IIT Hyd reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the tender document without any change in unit price or other terms and conditions. Further, at the discretion of IIT Hyd, the quantities in the contract may be enhanced by 25% within the delivery period.

b. Firms which have already supplied similar equipment to IIT Hyd and have not completed required installation/commissioning/after sales service/Warranty/Support replacements etc. such firms offer will not be considered for further evaluation and no enquiries thereafter will be entertained.

**9. Fraud and Corruption:**

IIT Hyd requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

(a) The terms set forth below are defined as follows:

(i) "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or in directly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

(ii) "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

(iii) "Collusive practice" means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, non -competitive levels; and

(iv) Coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract

- (b) IIT Hyd will reject a proposal for award if it determines that Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent collusive or coercive practices in competing for the Contract in question

#### 10. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, IIT Hyd’s interpretation of the clauses shall be final and binding on all parties.

#### 11. Security Deposit:

a. Within fifteen (15) days of the award of contract, the vendor shall furnish a Security Deposit amounting to **5%** of the purchase order value in the form of Insurance Surety Bonds, Account Payee, Demand Draft, Fixed Deposit Receipt, Banker’s Cheque or Bank guarantee from any commercial Banks or payment online of a scheduled bank in the name of Director, IIT Hyd favouring the Director, IIT Hyd.

b. The Security Deposit will be encashed/claimed if the vendor fails to execute the order as per the Purchase Order.

c. The Security Deposit should be valid for a period of **05 years Warranty/Support + 60 days**, as the same will extend the same as Performance Bank Guarantee. Hence while preparing the BG, the time required for delivery and installation and Warranty/Support + 60 days needs to be accounted for to cover the BG validity period.

d) This Security Deposit will be refunded to the vendor only on satisfactory completion of all contractual including Warranty/Support obligations as per this Tender and Purchase Order issued against this Tender.

e) Bank Guarantee wherever mentioned in this document may be read as “Bank Guarantee from any Scheduled Bank” only. The Bank Guarantee should be submitted in Hard Copy to IITH and the issuing Bank should send the IFN 760 COV Bank Guarantee Advice Messages to our bankers through SFMS (Structured Finance Messaging System). Our Bank details are as follows:

| <b>Canara Bank Account Details</b> |                             |
|------------------------------------|-----------------------------|
| <b>Name of the Bank</b>            | <b>Canara bank</b>          |
| <b>Branch Name &amp; Bank Code</b> | <b>IIT KANDI &amp; 3458</b> |
| <b>Account Number</b>              | <b>110171129768</b>         |
| <b>Pan No. of the institute</b>    | <b>AAAAI2661J</b>           |
| <b>GST no. of the institute</b>    | <b>36AAAAI2661J1ZP</b>      |
| <b>Bank Branch IFSC code</b>       | <b>CNRB0003458</b>          |
| <b>Bank Branch MICR code</b>       | <b>500015066</b>            |
| <b>SWIFT:</b>                      | <b>CNRBINBBBFD</b>          |

**12. Pre-installation:** The BIDDER must state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in IIT Hyd the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipment. The BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

**13. Installation:**

- BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the Warranty/Support and thereafter.
- Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site, unless otherwise instructed by the Institute
- After successful installation what will be the minimum down time of equipment/instrument in case of breakdown. If the identified firm or person fails to put the

system into working condition what is the further alternative course of action suggested to adhere to minimum down time should be covered in the Technical Bid.

**14. Inspection:**

- a) The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.
- b) In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the IIT Hyd.

**15. Training:** Wherever needed, Scientist/Technical persons of the Institute should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

**16. Warranty/Support:**

- a) The items covered by the schedule of requirement shall carry minimum **05 Years** Warranty/Support from the date of acceptance of the equipment by IIT Hyd. Warranty/Support shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive Warranty/Support includes onsite Warranty/Support with parts.
- b) The defects, if any, during the guarantee/Warranty/Support period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, local taxes if any should be borne by the beneficiary or his agent. No cost will be borne by IIT Hyd.
- c) The Warranty/Support on the associated software should cover providing of upgraded version/s, if any, released during the Warranty/Support period free of cost.
- d) The Bidder shall assure the supply of spare parts after Warranty/Support is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis.
- e) The equipment must be supported by a Service Centre in India manned by the technical support engineers. Also it should be possible to contact the Principal's vendor support Centre on a toll free number/web/mail. The support through this Centre must be available during all working days and hours.

- f) The manufacturer/OEM is should facilitate the bidder/Agent on regular basis with technology / product updates & extend support for the Warranty/Support as well.
- g) The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
- h) The principal vendor must have a local logistics support by maintaining a spares in the country of deployment of the equipment, with the Indian Agent. This is to ensure immediate delivery of spares parts from Principal Vendor of equipment to its channel partner/system integrator.
- i) Details of the agency who shall maintain during Warranty/Support and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond Warranty/Support shall be given in the offer. In case of foreign quote, the Indian Agent who shall maintain during Warranty/Support and AMC beyond Warranty/Support shall be given in the Technical Offer
- j) **Commencement of Warranty/Support Period:** The Warranty/Support period of an item shall commence from the date of successful installation, commissioning and demonstration & Training at IIT Hyd. The Warranty/Support period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in Warranty/Support services.
17. **Reasonability of Prices:** The prices quoted must be the prices applicable for a premiere Educational and Research Institute of national importance. The bidder must give details of identical or similar equipment, if any, supplied to other IITs/ IISERs/ CSIR lab/ CFTI's during last three years along with the final price paid and Performance certificate from them.
18. **Annual Maintenance Contract (Not applicable):** The bidder must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the Warranty/Support period. This is mandatory to mention, wherever applicable. No sub-contracting will be allowed for installation or maintaining system/ equipment / instrument during or after Warranty/Support period.
19. **Indemnity:** The vendor shall indemnify, protect and save IIT Hyd against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by the bidder/OEM.
20. **Freight & Insurance:** The equipment'/items to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IIT Hyd site

**21. Amalgamation/Acquisition etc.:** In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the BUYER/Successor of the Principal Company are liable for execution of the contract and also fulfilment of contractual obligations i.e. supply, installation, commissioning, Warranty/Support, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition.

**22. Liquidity Damage for delayed Services**

i) As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to, failing which, IIT Hyd encash/claim the Security Deposit and also LD clause will be applicable /enforced.

ii) If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 0.5 % of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.

iii) IIT Hyd reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.

**23. Requirement of registration:** Vide Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

- a. Any bidder from a country sharing a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT).
- b. "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.
- c. "Bidder from a country which shares a land border with India" for the purpose of this Order means:
  - i. An entity incorporated, established or registered in such a country; or
  - ii. A subsidiary of an entity incorporated, established or registered in such a country; or

- iii. An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - iv. An entity whose beneficial owner is situated in such a country; or
  - v. An Indian (or other) agent of such an entity; or
  - vi. A natural person who is a citizen of such a country; or
  - vii. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- ii. For details about registration procedures please visit the above mentioned OM. Mandatory documentary evidence regarding the bidder's registration with DPIIT is to be submitted along with the tender, failing which the tender shall be liable for rejection. Bidders are also requested to submit the Model Certificates as **per Annexure** for this tender as mentioned in the Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

#### 24. Public Procurement (Preference to Make in India), Order 2017:

- i. IIT Hyd shall compare all substantially responsive bids to determine the lowest valued bid. This Institute is following and abide with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E. II dated 15th June 2017 and its subsequent amendments. Accordingly, preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.
- ii. As per the above order and its subsequent amendments "Local Content" means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly, the suppliers will be classified in following categories.

- 1. **Class I local Supplier – has local content minimum 50%**
- 2. **Class II local Supplier – has local content minimum 20%**

- b. **Verification of Local Content:** The Class I Local Supplier /Class II Local Supplier at the time of bidding shall be required to indicate the percentage of local content and provide self-certification as per **Annexure** that the items offered meet the local content requirement. The details of the location(s) at which the local value addition is made also needs to be specified.

**The bidders can be debarred for a period up to two years as, per Rule 151(iii) of GFR 2017, in case of false declaration.**

### **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 a product, the same shall be referred to competent authority at IITH or the relevant Ministry.

The bidder against whom the complaint is received shall be required to furnish the necessary documentation in support of the domestic value addition claimed in the product to authority. If no information is furnished by the bidder, such laboratories may take further necessary action, to establish the bonafides of the claim

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 Procuring Institute. 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.

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.

**25. Note for MSME/NSIC/Start up Bidder:** If in the view of bidder, any exemption / relaxation is applicable to them from any of the eligibility requirements, under any Rules / Guidelines/ Directives of Government of India, bidder may submit their claim for the applicable exemption /relaxation, quoting the valid Rule/Guidelines/ Directives with a copy of such notification. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of their claim. The relevant and valid certificates in support of claim of exemption must be submitted along with the Technical Bid.

**These exemptions /relaxations are meant for procurement of only goods produced and services rendered by MSEs. Traders/ distributors/ sole agent/ Works Contract are excluded from the purview of the policy.**

**This Bid is also governed by latest General terms and conditions as per GeM**

**26. Force Majeure:** IIT Hyd may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that the delay, in performance or other failure to perform its obligations under the Contract, is the result of a Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.) acts of states, the direct and indirect consequences of wars (declared or undeclared) hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises.

**27. Dispute Settlement:**

IIT Hyd and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the IIT Hyd or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration.

Arbitration may be commenced prior to or after delivery of the Goods under the Contract. The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

- (a) In case of Dispute or difference arising between the IIT Hyd and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director IIT Hyd, if he is unable/unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- (b) In the case of a dispute between the Purchase and a Foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. The venue of the arbitration shall be the place from where the purchase order or contract is issued.

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28. **Jurisdiction:** The disputes, legal matters, court matters, if any, shall be subject to Hyderabad Jurisdiction only.
29. The Director, IIT Hyd reserves the right to accept the offer in full or in parts or reject summarily or partly and also reserves the right to cancel the tender at any stage without assigning reasons.

## **Checklist for BIDDERS**

BIDDERS to indicate whether the following are enclosed/mentioned by striking out the non-relevant option

| Sl. No. | Content                                                                             | File Types | Document Attached |
|---------|-------------------------------------------------------------------------------------|------------|-------------------|
| 1       | FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS-<br>Annexure- B                    | .PDF       | ( Yes /No )       |
| 2       | UNPRICED TECHNICAL BID –<br>Annexure-‘C’                                            | .PDF       | ( Yes /No )       |
| 3       | MANUFACTURER’S AUTHORIZATION & WARRANTY/SUPPORT<br>SUPPORT DECLARATION – Annexure D | .PDF       | ( Yes /No )       |
| 5       | CERTIFICATE BY BIDDER- DPIIT REGISTRATION- ANNEXURE –E                              | .PDF       | ( Yes /No )       |
| 6       | DECLARATION REGARDING CLEAN TRACK/NO LEGAL ACTION<br>- ANNEXURE F                   | .PDF       | ( Yes /No )       |
| 7       | Bidder Information form as per Annexure-‘G’                                         | .PDF       | ( Yes /No )       |
| 8       | PREVIOUS SUPPLY ORDER LIST FORMAT - ANNEXURE H                                      | .PDF       | ( Yes /No )       |
| 9       | ACCEPTANCE OF TENDER TERMS<br>(To be given on Company Letter Head) - ANNEXURE – I   | .PDF       | ( Yes /No )       |

ANNEXURE -B

FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS

| 1     | 2                                                                                                            | 3                                    | 4                                       | 5                                                       | 6                                                                                        |
|-------|--------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|
| S. N. | Name of specifications/part / Accessories of tender enquiry<br><br>As per Annexure A of the Tender Document. | Specifications of quoted Model/ Item | Compliance<br><br>Whether “YES” Or “NO” | Deviation, if any, to be indicated in unambiguous terms | Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature |
| 1     |                                                                                                              |                                      |                                         |                                                         |                                                                                          |
| 2     |                                                                                                              |                                      |                                         |                                                         |                                                                                          |
| 3     |                                                                                                              |                                      |                                         |                                                         |                                                                                          |
| n     |                                                                                                              |                                      |                                         |                                                         |                                                                                          |

**NOTE: The bidder should also submit the Brochure with technical details of the product supporting the compliance statement.**

**UNPRICED TECHNICAL BID**  
**(Bidder should provide the following details on Letter head)**

Quotation No :

Date:

Name of the Bidder \_\_\_\_\_  
No. \_\_\_\_\_

GeM bid

| Sr.No | Item Description | Country of Origin | Make & Model | HSN Code | GST % | Qty |
|-------|------------------|-------------------|--------------|----------|-------|-----|
| 1     |                  |                   |              |          |       |     |
| 2     |                  |                   |              |          |       |     |
| 3     |                  |                   |              |          |       |     |
| n     |                  |                   |              |          |       |     |

**Other Terms & Conditions**

|   |                                              |   |
|---|----------------------------------------------|---|
| 1 | Payment terms                                | : |
| 2 | Delivery Period from the date of Issue of PO | : |
| 3 | Warranty/Support                             | : |
| 4 | Any other additional terms                   | : |

ANNEXURE – D

MANUFACTURER’S AUTHORIZATION & WARRANTY/SUPPORT SUPPORT  
DECLARATION

( ON OEMs Letter head)

Date:

Tender No / GeM bid no:

To  
The Director,  
Indian Institute of Technology Hyderabad,  
Kandi, Hyderabad – 502 284

We, \_\_\_\_\_ [name of Manufacturer], who are official manufacturers of [Insert type of goods manufactured] having factories at [insert full address of Manufacturer’s factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following goods, manufactured by us [insert name and or brief description of the goods], and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee, Warranty/Support, availability of spare parts and AMC support in accordance with the Terms and Conditions of Contract with respect to the Goods offered by the above firm.

Authorized representative of the Manufacturer

Authorized representative Bidder

Signature:

Signature:

Name:

Name:

Address:

Address:

Mobile No:

Mobile No:

Email ID:

Email ID:

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**ANNEXURE E**

**CERTIFICATE BY BIDDER- DPIIT REGISTRATION**

“ I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, / if from such a country, has been registered with the Competent Authority (copy of the Registration Certificate enclosed) . I hereby certify that his bidder fulfils all requirements in this regard and is eligible to be considered.

Signature with Date and Stamp  
Of the Bidder

ANNEXURE F

**DECLARATION REGARDING CLEAN TRACK/NO LEGAL ACTION**

(to be provided on letter head of the firm)

I hereby certify that the above firm namely \_\_\_\_\_ is neither blacklisted by any Central/State Government/Public Undertaking/Institute nor 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 any every respect and in any case at a later date it is found that any of the details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

OR

I hereby certify that our firm namely \_\_\_\_\_ was blacklisted by \_\_\_\_\_ for a period of \_\_\_\_\_ years/months at the Institute Level/ All Indian Level.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

ANNEXURE –G

BIDDER INFORMATION FORM

Company Name : \_\_\_\_\_

Registration Number : \_\_\_\_\_

Manufacturer /Distributor for the quoted product :  
\_\_\_\_\_

Registered Address : \_\_\_\_\_  
\_\_\_\_\_

Name of Partners /Director: \_\_\_\_\_  
\_\_\_\_\_

City : \_\_\_\_\_

Postal Code : \_\_\_\_\_

Company's Establishment Year : \_\_\_\_\_

Company's Nature of Business : \_\_\_\_\_

Company's Legal Status 1) Limited Company

(tick on appropriate option ) 2) Undertaking

3) Joint Venture

4) Partnership

5) Others ( In case of Others please specify)

Company Category

1) Micro Unit as per MSME

2) Small Unit as per MSME

3) Medium Unit as per MSME

4) Ancillary Unit

5) SSI

6) Others ( In case of Others please specify)

## CONTACT DETAILS

Contact Name : \_\_\_\_\_

Email Id : \_\_\_\_\_

Designation : \_\_\_\_\_

Phone No : ( \_\_\_\_\_ ) \_\_\_\_\_

Mobile No : \_\_\_\_\_

## BANK DETAILS

Name of Beneficiary : \_\_\_\_\_

A/c. No. CC/CD/SB/OD: \_\_\_\_\_

Name of Bank : \_\_\_\_\_

IFSC NO. (Bank) : \_\_\_\_\_

Branch Address and Branch Code: \_\_\_\_\_

## Other Details

Vendor's PAN No. \_\_\_\_\_

Vendor's GST \_\_\_\_\_

ANNEXURE – H

PREVIOUS SUPPLY ORDER LIST FORMAT

| Order placed by<br><i>{Full address of Purchaser}</i> | Order No. and Date (Copies Need to be attached) | Description and quantity of ordered equipment | Value of order | Contact Person along with Telephone no., Fax no. and e-mail address. |
|-------------------------------------------------------|-------------------------------------------------|-----------------------------------------------|----------------|----------------------------------------------------------------------|
|                                                       |                                                 |                                               |                |                                                                      |
|                                                       |                                                 |                                               |                |                                                                      |
|                                                       |                                                 |                                               |                |                                                                      |

Note: Technical Committee may seek additional information from the existing users at IIT Hyd or from other Institutes, these feedbacks will be considered for technical evaluation.

Signature and Seal of the Manufacturer/ bidder .....

Place:

Date:

ANNEXURE – I

**ACCEPTANCE OF TENDER TERMS**  
(To be given on Company Letter Head)

Date: DD/MM/YYYY

To,

The Director  
Indian Institute of Technology Hyderabad  
Kandi – 502 285.Telangana, India

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No/GeM Bid no: \_\_\_\_\_

Name of Tender / Work: -

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned ‘Tender’ from the web site(s) namely \_\_\_\_\_ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

ANNEXURE – J

**Bid Securing Declaration Form**

Date: \_\_\_\_\_  
\_\_\_\_\_

Tender No. \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported with EMD of Rs. 89,500/-

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of two year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: \_\_\_\_\_ (insert signature of person whose name and capacity are shown)  
in the capacity of \_\_\_\_\_ (insert legal capacity of person signing the Bid Securing Declaration)

Name: \_\_\_\_\_ (insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

ANNEXURE -K

## FORMAT FOR PERFORMANCE BANK GUARANTEE

To  
Indian Institute of Technology Hyderabad.  
Kandi, Sangareddy 502284

Dear Sirs,

In consideration of the Indian Institute of Technology Hyderabad (hereinafter referred to as the "Buyer" which expression shall unless excluded by or repugnant to the context or meaning thereof, include its successors administrators and assigns) having issued to ..... (Name of the seller) with its Registered / Head Office at ..... (hereinafter referred to as the "Seller" which expression shall unless excluded by or repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) an order bearing Purchase Order No. .... dated ..... and the same having been unequivocally accepted by the seller resulting into a Contract between the buyer and the seller for supply of ....., more fully described in the said Purchase Order and the buyer in terms of one of the provisions of the said Purchase Order and whereas the Seller has undertaken to produce a Bank Guarantee amounting to Rs. \_\_\_\_\_, which is 5% of the Contract value in aggregate for Performance and Warranty/Support to the Buyers.

We, the \_\_\_\_\_ bank hereby expressly, irrevocably and unreservedly undertake the guarantee as Principal obligators on behalf of the SELLER that, in the event that the BUYER declares to us that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by the BUYER by reason of breach/failure to perform by the said SELLER of any of the terms and conditions in the contract related to the Performance and Warranty/Support clauses, we will pay you, on demand and without demur, all and any sum upto (5% of the contract value) Rs. \_\_\_\_\_ only at any one instance under this Guarantee. Your written demand shall be conclusive evidence to us that such repayment is due under the terms of the said contract. We shall not be entitled to ask you to establish your claim or claims under this guarantee but will pay the same forthwith without any protest or demur. We undertake to effect the payment upon receipt of such written demand.

We shall not be discharged or released from the undertaking and guarantee by any arrangements, variations made between you and the SELLER, indulgence to the SELLER by you, or by any alterations in the obligations of the SELLER or by any forbearance whether as to payment, time performance or otherwise.

We further agree that any such demand made by the BUYER on the Bank shall be conclusive, binding, absolute and unequivocal notwithstanding any difference or dispute or controversy that may exist or arise between you and the Seller or any other person.

In no case shall the amount of this guarantee be increased.

This Performance-cum-Warranty/Support guarantee shall remain valid for a period until 60 days beyond the Warranty/Support period i.e. upto \_\_\_\_\_

Subject to the terms of this Bank Guarantee, the issuing bank hereby irrevocably authorizes the beneficiary to draw the amount upto Rs. \_\_\_\_\_ ( 5% of the total contract value) for breach/failure to perform by the Seller of any of the terms and conditions of the contract related to performance and Warranty/Support clause. Notwithstanding anything mentioned herein, the total drawings under the Guarantee by the buyer shall not exceed 5% of the total contract value. Partial drawing and multiple drawings under this Bank Guarantee are allowed within the cumulative amount and subject to each such drawing not exceeding 5% of the contract value.

This guarantee shall be continuing guarantee and shall not be discharged by any change in the constitution of the Bank or in the constitution of M/s. \_\_\_\_\_. We undertake not to revoke this guarantee during the currency except with previous consent of BUYER in writing.

Notwithstanding anything contained herein above:

- Our liability under this Guarantee shall not exceed Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only ( in words)
- This Bank Guarantee shall remain valid until 2 months from the date of expiry of Warranty/Support period of the contract i.e. upto \_\_\_\_\_ ( mention the date) which is 2 months after expiry of the Warranty/Support period and the BG shall cease to be valid after \_\_\_\_\_ irrespective whether the Original Bank Guarantee is returned to us nor not.
- We are liable to pay guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written demand or a claim in writing on or before \_\_\_\_\_ (Expiry Date)

Dated the \_\_\_\_\_ day of \_\_\_\_\_ (month and year)

Place

Signed and delivered by \_\_\_\_\_ (name of the bank)

Through its authorized signatory  
(Signature with Seal)

ANNEXURE –L

BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT

To  
Indian Institute of Technology Hyderabad.  
Kandi, Sangareddy 502284

WHEREAS \_\_\_\_\_ (Name of Bidder) (hereinafter called "the Bidder" has submitted its Bid dated \_\_\_\_\_ (Date) for the execution of (Name of Contract) \_\_\_\_\_ Tender no & Date: \_\_\_\_\_ (hereinafter called "the Bid") in favour of \_\_\_\_\_ hereinafter called the "Employer" (IFSC Code: SBIN0014182 ;  
KNOW ALL MEN by these presents that we, \_\_\_\_\_ (name of the issuing Bank), a body corporate constituted under the \_\_\_\_\_ having its Head Office at \_\_\_\_\_ amongst others a branch/office at \_\_\_\_\_ (hereinafter called "the Bank" are bound unto the employer for the sum of Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only) for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents;

THE CONDITION of this obligation is:

If the bidder withdraws or amends their offer of empanelment before finalization of empanelment by the employer,  
We undertake to pay to the Employer up to the above amount upon receipt of his first written demand without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence the above condition.

Notwithstanding anything contained herein

- i. Our liability under this Bank Guarantee shall not exceed Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)
- ii. This Bank Guarantee **(it should be valid six months from the date of issue of BG )** is valid up to \_\_\_\_\_ and
- iii. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before \_\_\_\_\_ (mention period of guarantee as found under clause (ii) above plus claim period)

Dated \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

SIGNATURE OF THE BANK