



RAILTEL CORPORATION OF INDIA LIMITED
(A Govt. of India Undertaking)

Expression of Interest for Selection of Partner from Empaneled Business Associate

For

Supply, Installation, Testing and Commissioning Campus Wide Wireless LAN System

EOI No: RailTel/WR/BPL-RFX-6100001167/2022-23/01 dated 29th September
2022

EOI NOTICE

RailTel Corporation of India Limited, 17 Raghunath Nagar, Near Shahpura Thana, Bhopal 462039

EOI Notice No: RailTel/WR/BPL-RFX-6100001167/2022-23/01 dated 29th September 2022

RailTel Corporation of India Ltd., (here after referred to as "RailTel") invites EOIs from RailTel's Empaneled Partners for Supply, Installation, Testing and Commissioning Campus Wide Wireless LAN System

The details are as under:

1	Last date for submission of EOIs by bidders	05.11.2022 at 13:00 Hours
2	Opening of Technical Bid of EOIs	05.11.2022 at 13:30 Hours
3	Opening of Commercial Bid of EOIs	Will be informed to the technically responsive bidders.
4	Number of copies to be submitted for scope of work	One
5	EOI fees inclusive tax (Non-refundable)	Not Applicable
6	EMD	1% of offered price

The EMD should be in the favor of RailTel Corporation of India Limited payable at Mumbai through online bank transfer. Partner need to share the online payment transfer details like UTR No. date and Bank along with the proposal.

RailTel Bank Details: Union Bank of India, Account No.317801010036605, IFSC Code - UBIN0531782, Branch name – Mahalaxmi Branch

Eligible Business Associates are required to direct all communications related to this Invitation forEOI document, through the following Nominated Point of Contact persons:

Contact:

Level 1- Ms.Sonia Sahu

Position: Sr. Manager/Marketing

Email: Sonia.sahu@railtelindia.com

Contact: +91-9004444159

Level 2- Mr.Anand Kumar

Position: Dy. General Manager/Marketing

Email: anandnkn@railtelindia.com

Contact: +91-9004444107

Level 3- Mr.Santosh Parage

Position: General Manager/Marketing

Email: santosh.parage@railtelindia.com

Contact: +91-702090627

Note:

1. Empaneled partners are required to submit soft copy (password protected PDF) of technical packet through an e-mail at eoι.wr@railtelindia.com, duly signed by Authorized Signatories with Company seal and stamp.
2. The EOI response is invited from eligible Empaneled Partners of RailTel only.
3. All the document must be submitted with proper indexing and page no.
4. This is an exclusive arrangement with empaneled business associate of RailTel for setting up of campus wide wireless LAN system as per end customer requirement (NIT). Selected partner's authorized signatory has to give an undertaking they will not submit directly or indirectly their bids and techno-commercial solution/association with any other organization once selected in this EOI. This undertaking has to be given with this EOI Response.
5. Transfer and Sub-letting. The Business Associate has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.
6. All the terms and condition of end customer RFP will be applicable as it is to the selected BA.

1. Introduction about RailTel

RailTel Corporation of India Limited (RailTel), an ISO-9001:2000 organization is a Class-1 Mini-Ratna Government of India undertaking under the Ministry of Railways. The Corporation was formed in Sept 2000 with the objectives to create nationwide Broadband Telecom and Multimedia Network in all parts of the country, to modernize Train Control Operation and Safety System of Indian Railways and to contribute to realization of goals and objective of national telecom policy 1999. RailTel is a wholly owned subsidiary of Indian Railways.

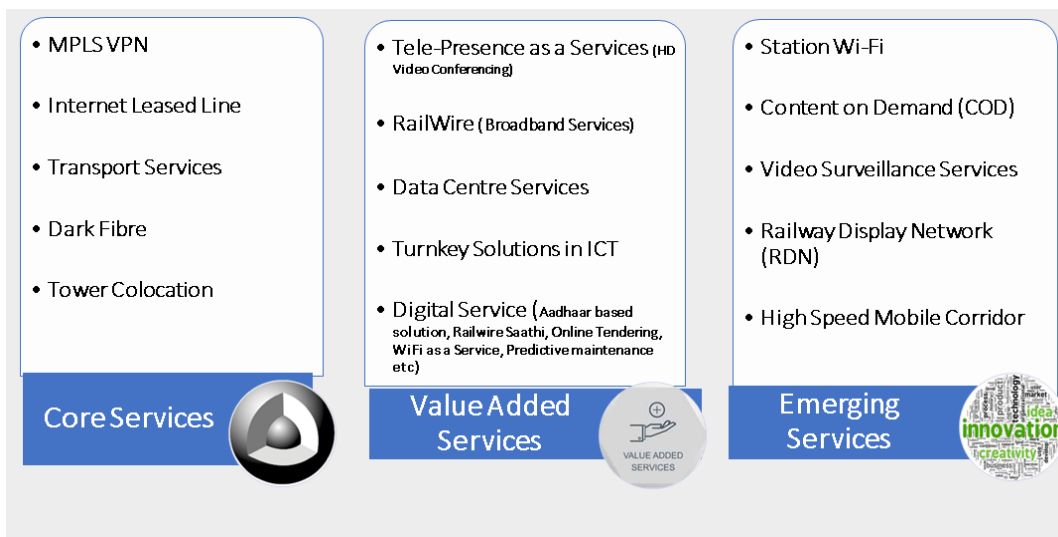
RailTel has approximately 60000 kms of OFC along the protected Railway tracks. The transport network is built on high capacity DWDM and an IP/ MPLS network over it to support mission critical communication requirements of Indian Railways and other customers. RailTel has Tier-III Data Center in Gurgaon and Secunderabad hosting / collocating critical applications. RailTel is also providing Telepresence as a Service (TPaaS), where a High-Definition Video Conference facility bundled with required BW is provided as a Service.

For ensuring efficient administration across India, country has been divided into four regions namely, Eastern, Northern, Southern & Western each headed by Executive Director and Headquartered at Kolkata, New Delhi, Secunderabad & Mumbai respectively. These regions are further divided into territories for efficient working. RailTel has territorial offices at Guwahati, & Bhubaneswar in East, Chandigarh, Jaipur, Lucknow in North, Chennai & Bangalore in South, Bhopal, and Pune & Ahmedabad in West. Various other territorial offices across the country are proposed to be created shortly.

RailTel's business service lines can be categorized into three heads namely B2G/B2B (Business to Government and Business to Business) and B2C (Business to customers):

Licenses & Service portfolio:

Presently, RailTel holds Infrastructure Provider -1, National Long-Distance Operator, International Long Distance Operator and Internet Service Provider (Class-A) licenses under which the following services are being offered to various customers:



a) Carrier Services

- National Long Distance: Carriage of Inter & Intra -circle Voice Traffic across India using state of the art NGN based network through its Interconnection with all leading Telecom Operators
- Lease Line Services: Available for granularities from E1 to multiple of Gigabit bandwidth & above
- Dark Fiber/Lambda: Leasing to MSOs/Telco's along secured Right of Way of Railway tracks
- Co-location Services: Leasing of Space and 1000+ Towers for collocation of MSC/BSC/BTS of Telco's

b) Enterprise Services

- Managed Lease Line Services: Available for granularities from E1, DS-3, STM-1 & above
- MPLS VPN: Layer-2 & Layer-3 VPN available for granularities from 2 Mbps & above
- Dedicated Internet Bandwidth: Experience the "Always ON" internet connectivity at your fingertips in granularities 2 Mbps to several Gbps

c) DATA CENTER Infrastructure as a service (IaaS), Hosting as Services, Security operation Centre as a Service (SOCaaS): RailTel has MeitY empaneled two Tier-III data centres in Gurgaon & Secunderabad. Presently RailTel is hosting critical applications of Indian Railways, Central & State government/ PSUs applications. RailTel will facilitate Government's applications

/ Hosting services including smooth transition to secured state owned RailTel's Data Centers and Disaster Recovery Centres. RailTel also offers SOC as a Service 'SOCaaS'. In addition, RailTel offers VPN client services so that employees can seamlessly access government's intranet, applications securely from anywhere without compromising security.

- National Long Distance: Carriage of Inter & Intra -circle Voice Traffic across India using state of the art NGN based network through its Interconnection with all leading Telecom Operators
- Lease Line Services: Available for granularities from E1 to multiple of Gigabit bandwidth & above
- Dark Fiber/Lambda: Leasing to MSOs/Telco's along secured Right of Way of Railway tracks
- Co-location Services: Leasing of Space and 1000+ Towers for collocation of MSC/BSC/BTS of Telco's

d) High-Definition Video Conference: RailTel has unique service model of providing high-definition video conference bundled with Video Conference equipment, bandwidth and FMS services to provide end to end seamless services on OPEX model connecting HQ with other critical offices. RailTel also offers application-based video conference solution for employees to be productive specially during this pandemic situation.

e) Retail Services – RailWire

RailWire: Triple Play Broadband Services for the Masses. RailTel has unique model of

delivering broadband services, wherein local entrepreneurs are engaged in delivering & maintaining broadband services and upto 66% of the total revenues earned are shared to these local entrepreneurs in the state, generating jobs and revitalizing local economies. On date RailTel is serving approx. 4,00,000 subscribers on PAN Indian basis. RailTel can provide broadband service across— Government PSU or any organization's officers colonies and residences.

2. Objective of EOI

RailTel intends to supply Network Hardware to one of its end customers. The objective of floating this EOI is to select a suitable partner from RailTel's Empaneled Partners for SITC of the hardware on back-to-back basis.

3. Scope of Work

The selected partner will be responsible for supply, installation, testing and commissioning of the hardware as per specifications and its AMC as per requirement of customer. The specifications of Hardware are defined in the Annexure-6.

4. Response to EOI guidelines

4.1 Language of Proposals

The proposal and all correspondence and documents shall be written in English in password protected PDF file through an email (size of email should not exceed 20Mb)

4.2 RailTel's Right to Accept/Reject responses

RailTel reserves the right to accept or reject any response and annul the bidding process or even reject all responses at any time prior to selecting the partner, without thereby incurring any liability to the affected bidder or Business Associate or without any obligation to inform the affected bidder or bidders about the grounds for RailTel's action.

4.3 EOI response Document

The bidder is expected to examine all instructions, forms, terms and conditions and technical specifications in the bidding documents. Submission of bids, not substantially responsive to the bidding document in every aspect will be at the bidder's risk and may result in rejection of its bid without any further reference to the bidder.

All pages of the documents shall be signed by the bidder including the closing page in token of his having studied the EOI document and should be submitted along with the bid.

4.4 Period of Validity of bids and Bid Currency

180 Days from the date of opening of the Technical bid.

4.5 Bidding Process

The bidding process as defined in para 7.

4.6 Bid Earnest Money (EMD)

- 4.6.1 The Business Associate shall furnish a sum as given in EOI Notice via online transfer from any scheduled bank in India in favour of "RailTel Corporation of India Limited" along with the offer. This will be called as EOI EMD.
- 4.6.2 Offers not accompanied with valid EOI Earnest Money Deposit shall be summarily rejected.
- 4.6.3 In case of Business Associate's offer is selected for bidding, a BA has to furnish Earnest Money Deposit (for balance amount as mentioned in the customer's Bid as and if applicable) for the bid to RailTel. The selected Business Associate shall have to submit a Bank Guarantee against EMD in proportion to the quoted value/scope of work to RailTel before submission of bid to end customer as and if applicable.
- 4.6.4 Return of EMD for unsuccessful Business Associates: EOI EMD of the unsuccessful Business Associate shall be returned without interest after completion of EOI process.
- 4.6.5 Return of EMD for successful Business Associate: EOI-EMD & Earnest Money Deposit (balance proportionate EMD) if applicable and Integrity Pact BG of the successful bidder will be discharged / returned as promptly as possible after the receipt of RailTel's EMD/BG from the Customer and or on receipt of Security Deposit Performance Bank Guarantee as applicable (clause no. 4.7) from Business Associate whichever is later.
- 4.6.6 Forfeiture of EOI EMD or EOI EMD & EMD (balance proportionate EMD) and or Penal action as per EMD Declaration:
 - 4.6.6.1 The EOI EMD may be forfeited and or penal action shall be initiated if a Business Associate withdraws his offer or modifies the terms and conditions of the offer during validity period.
 - 4.6.6.2 In case of non-submission of SD/PBG (as per clause no. 4.7) lead to forfeiture of EOI EMD, EMD (balance proportionate EMD) if applicable and Integrity Pact BG and or suitable action as prescribed in the EMD Declaration shall be initiated as applicable.

4.7 Security Deposit / Performance Bank Guarantee (PBG)

- 4.7.1 In case the bid is successful, the PBG of requisite amount proportionate to the agreed scope of the work will have to be submitted to RailTel.
- 4.7.2 As per work share arrangements agreed between RailTel and Business Associate the PBG will be proportionately decided and submitted by the selected Business Associate.

4.8 Last date & time for Submission of EOI response

EOI response must be submitted to RailTel at the email address specified in the preamble not later than the specified date and time mentioned in the preamble.

4.9 Modification and/or Withdrawal of EOI response

EOI response once submitted will be treated, as final and no modification will be permitted except with the consent of the RailTel.

No Business Associate shall be allowed to withdraw the response after the last date and time for submission.

The successful Business Associate will not be allowed to withdraw or back out from the response commitments. In case of withdrawal or back out by the successful business associate, the Earnest Money Deposit shall be forfeited and all interests/claims of such Business Associate shall be deemed as foreclosed.

4.10 Details of Financial bid for the above referred tender

The Business Associates are first evaluated on the basis of the Eligibility Criteria (as per clause 5 above.) and technical suitability. Only those bidders meeting the above criteria will be suitable for financial opening and L1 (lower bid) will be declared.

4.11 Clarification of EOI Response

To assist in the examination, evaluation and comparison of bids the purchaser may, at its discretion, ask the Business Associate for clarification. The response should be in writing and no change in the price or substance of the EOI response shall be sought, offered or permitted.

5. Pre-Qualification Criteria for Bidding Business Partner of RailTel

Sr. No	Eligibility Criteria	Yes/No	Undertaking	Submit the proof documents
1	OEM must be in the core business of Wireless network solutions and must have a presence for a minimum of 3 years in India.			
2	The bidder should be an authorized representative of the OEM. The bidder shall furnish the manufacturer's authorization(MAF) letter from the respective OEMs, specific to this tender mentioning the tender number for which bid the authorization is being provided.			
3	OEM should have 24x7x365 fully functional service and support centers in India and that can guarantee during the warranty period AMC period that any replacement if required can be done within 24 hours/Next business day. Provide the relevant documents.			
4	Bidder should be an OEM-certified wireless solution supplier and integrator.			
5	The bidder should have an annual turnover of at least INR 3 crores from system integration involving Supply, Installation, Testing, Commissioning, and Maintenance of IT infrastructure i.e. Network Business in each of the last three financial years			
6	Bidders should have an adequately documented track record of supplying and installing Wi-Fi access points (a total of at least 500 access points supplied over the last 5 years).			
7	The Bidder should have at least 5 wireless technology certified engineers on their payroll as of the date of submission of the bid. The bidder should provide the wireless certified engineer's certificates, roll list, and resume of their employees in the excel sheet format with a document of proof. Further, these resources should have prior experience in implementation/maintenance of projects like Campus-wide WLAN, management, designing, and commissioning of such projects.			

8	An undertaking (self-certified) is to be submitted by the bidder that the organization has not been blacklisted for security or any other reason by the Central/State Government Department / Organization and educational institutes.			
9	The proposed OEM product shall not be declared the end of support life for the next 7 years.			
10	All WLAN network components such as AP, Controller, transceivers (SX, LX, LR Modules), and Network Management Software are (NMS) from the same OEM.			
11	The offered product controller-based solution against the supply order shall be of the latest version, the latest product. However, if any product, which is declared an end of life by the OEM during the period of (During material supply Contract the period), the bidder supply replaced a should or higher next model model/version with the same specification of higher specification of the product.			
12	The support facilities should be fully owned by the bidder / OEM and managed by their permanent employees (company payroll) and not through franchisee(s).			
13	The bidder/OEM should have local support in Maharashtra			
14	Technical Assistance Centre(TAC) and research and development (R&D) should be based in India.			
15	Should have India toll-free customer support.			
16	The bidder should have a positive net worth during the last three financial years.			
17	The bidder should have valid documentary proof of the GST registration number.			
18	It is mandatory to enclose all the supporting documents.			

6. Bidder's Profile

The bidder shall provide the information in the below table:

1	Name of the Bidder	
2	Address of the Bidder	
3	PAN No.	
4	GSTIN No.	

5	State of GST Registration	
6	E-mail ID	
7	Contact Person's Name & Designation	
8	Mobile No.	
9	CPPP Email ID	

Indian Agent's Information

1	Name of the Indian Agent	
2	Address of the Indian Agent	
3	PAN No. of Indian Agent	
4	GSTIN No. of Indian Agent	
5	State of GST Registration	
6	E-mail	
7	Contact Person's Name & Designation	
8	Mobile No.	
9	CPPP Email ID	

7. Evaluation Criteria

- 7.1 The Business Associates are first evaluated on the basis of the Eligibility Criteria (as per clause 5 above.) and technical suitability.
- 7.2 Only those bidders meeting the above criteria will be suitable for financial opening and L1 (lower bid) will be declared.
- 7.3 RailTel reserves the right to accept or reject the response against this EOI, without assigning any reasons. The decision of RailTel is final and binding on the participants. The RailTel evaluation committee will determine whether the proposal/ information is complete in all respects and the decision of the evaluation committee shall be final.

8. Payment terms

- 8.1 RailTel shall make payment to selected Business Associate after receiving payment from Customer for the agreed scope of work. In case of any penalty or deduction made by customer for the portion of work to be done by BA, same shall be passed on to Business Associate.
- 8.2 All payments by RailTel to the Partner will be made after the receipt of payment by RailTel from end Customer organization.

9. SLA

The selected bidder will be required to adhere to the SLA matrix if/as defined by the end Customer. SLA breach penalty will be applicable proportionately on the selected bidder,

as specified by the end Customer. The SLA scoring and penalty deduction mechanism for in-scope of work area shall be followed as specified by the customer. All associated clarifications, responses to queries, revisions, addendum and corrigendum, associated Prime Services Agreement (PSA)/ MSA/ SLA also included. Any deduction by Customer from RailTel payments on account of SLA breach which is attributable to Partner will be passed on to the Partner proportionately based on its scope of work.

Note: Depending on RailTel's business strategy RailTel may choose to work with Partner who is most likely to support in submitting a winning bid.

Annexure 1: Format for COVERING LETTER

COVERING LETTER (To be on company

letter head)Eol Reference No:

Date :

To,

The General Manager,
RailTel Corporation of India Limited,
17 Raghunath Nagar, Near Shahpura Thana,
Bhopal 462039

Dear Sir,

Sub: Participation in the Eol process

Having examined the Invitation for EOI document bearing the reference number

_____ released by your esteemed organization, we, undersigned, hereby acknowledge the receipt of the same and offer to participate in conformity with the said Invitationfor Eol document.

If our application is accepted, we undertake to abide by all the terms and conditions mentioned inthe said Invitation for Eol document.

We hereby declare that all the information and supporting documents furnished as a part of our response to the said Invitation for Eol document, are true to the best of our knowledge. We understand that in case any discrepancy is found in the information submitted by us, our EOI is liable to be rejected.

We hereby Submit EMD amount of Rs._____issued vide_____from _____ Bank

Authorizd
Signatory
Name
Designation

ANNEXURE I – BIDDER'S INFORMATION
(Bidder should duly fill and upload with technical bid)

1	Name of the Bidder	
2	Address of the Bidder	
3	PAN No.	
4	GSTIN No.	
5	State of GST Registration	
6	E-mail ID	
7	Contact Person's Name & Designation	
8	Mobile No.	
9	CPPP Email ID	

Indian Agent's Information

1	Name of the Indian Agent	
2	Address of the Indian Agent	
3	PAN No. of Indian Agent	
4	GSTIN No. of Indian Agent	
5	State of GST Registration	
6	E-mail	
7	Contact Person's Name & Designation	
8	Mobile No.	
9	CPPP Email ID	

Signature and Seal of the
Manufacturer / Bidder Place:

Date

ANNEXURE II - QUESTIONNAIRE

(Bidder should duly fill and upload with technical bid)

Sr. No.	Question (if not applicable please mention 'NA').	Response
1.	Whether all the terms and conditions of the NIT document have been complied. Compliance (Yes/No)	
2.	Whether all the items specified in the technical specification has been compiled and have been quoted in the bidding engine. Compliance(Yes/No)	
3.	Confirm that you have read all the instructions carefully and have complied with the instructions accordingly. Compliance(Yes/No)	
4.	In case bidder does not manufacture goods offers to supply have submitted Manufacturer's Authorisation letter. Compliance(Yes/No)	
5.	Mention Delivery period	
6.	Mention Warranty of the material	
7.	Mention HSN/SAC code of the material	
8.	In case of import supplies whether you have mentioned nearest international port of shipment in the technical bid (if not applicable please mention 'NIL').	

Signature and Seal of the Manufacturer / Bidder

Place: _____

Date: _____

ANNEXURE III – CERTIFICATE OF COMPLIANCE
(To be given on Company
Letter Head)

Date: _____

To,

The General Manager,
RailTel Corporation of India Limited,
17 Raghunath Nagar, Near Shahpura Thana,
Bhopal 462039

Sub: Certificate of Compliance

Tender Reference No: _____

Name of Tender :

We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. We declare that our company is not from such a country or, if from such a country, has been registered with the Competent Authority. We hereby certify that all requirements in this regard are fulfilled and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]

Yours faithfully,
(Signature of the Bidder, with Official Seal)

ANNEXURE IV – DECLARATION OF LOCAL CONTENT

(To be given on company letter head - For tender value below Rs.10 crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 crores)

Date: _____

To,

The General Manager,
RailTel Corporation of India Limited,
17 Raghunath Nagar, Near Shahpura Thana,
Bhopal 462039

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender : - _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has ____% local content.

I (The Bidder), also certifies that the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. are not included as local value addition while calculating local content percentage.

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“*False declaration will be in breach of 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.”*

Yours faithfully,
(Signature of the Bidder, with Official Seal)

Format 01

Previous Supply Order Details

Name of the Firm _____

Order placed by (Full address of Purchaser)	Order No. and Date	Description and quantity of ordered equipment	Value of Order	Date of completion of delivery as per contract	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us	Has the Equipment being installed satisfactorily (Attach a Certificate from the Purchaser/Consigner)	Contact Person along with Telephone No., Fax No. and e-mail address.

Signature and Seal of the Manufacturer / Bidder _____

Place : _____

Date : _____

(to be printed on Supplier's letterhead)
INTEGRITY PACT
General

General This pre-bid pre-contract Agreement hereinafter called the Integrity Pact is made on day of the month of , between, on one hand, the President of India acting through Deputy Registrar, Materials Management Division of Indian Institute of Technology, Bombay hereinafter called the

“BUYER” of the First Part and M/s..... represented by Shri....., Director /Chief Executive Officer/ General Manager hereinafter called the “BIDDER/Seller” of the Second Part.

WHEREAS the BUYER proposes to procure..... (Name of the Stores/Equipment/Item) and the BIDDER/Seller is willing to offer/has offered the stores and WHEREAS the BIDDER is a private company/public company/Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is an Autonomous Body/Department of the Government of India performing its functions on behalf of the President of India.

NOW, THEREFORE, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to :-Enabling the BUYER to obtain the desired said stores / equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures. The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the BUYER

1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favor or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.

1.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.

1.3 All the officials of the Buyer will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official (s) is reported by the BIDDER to the BUYER, with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

3. Commitments of BIDDERS:

- 3.1 The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:
- 3.2 The BIDDER will not offer, directly or through intermediaries, any bribe, consideration, gift, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract. The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the Government for showing or for bearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government.
- 3.3 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 3.4 BIDDERS shall disclose the payments to be made by them to agents / brokers or any other intermediary, in connection with this bid/contract.
- 3.5 The BIDDER further confirms and declares to the BUYER that the BIDDER is the original manufacturer/ integrator/ authorized government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER, or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender. The term relative for this purpose would be as defined in Section 6 of the Companies Act 1956.

3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

4. Previous Transgression

4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India, that could justify BIDDER's exclusion from the tender process.

4.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. SECURITY DEPOSIT / PERFORMANCE GUARANTEE :

"There will be back to back arrangement of PBG with the selected BA as same will be submitted by RailTel Corporation of India to end customer"

5.0 BG format with all the terms and conditions as per end customer RFP will be shared with the selected BA

5.1 Performance Guarantee Bond is mandatory.

5.2 Successful tenderer/ bidder should submit performance guarantee as prescribed above to be sent to **Deputy Registrar, Materials management Division, IIT Bombay** along with order acknowledgement. The PBG to be furnished in the form of bank guarantee as per proforma or annexure of the tender documents, for an amount covering **3 % of the purchase order value**.

5.3 The Performance Guarantee should be established in favour of **"The Registrar, IIT Bombay"**.

5.4 PBG to be established through any of the National Banks (whether situated at Mumbai or outstation) with a clause to enforce the same on their local branch of Mumbai or any scheduled bank (other than national bank) situated at Mumbai. Bonds issued by cooperative banks will not be accepted.

5.5 Performance Guarantee Bond shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful tenderer and the purchaser under the terms & conditions of acceptance to the tender.

5.6 The successful tenderer is entirely responsible for due performance of the contract in letter and spirit and all other documents referred to in the acceptance of tenders.

5.7 The PBG shall be kept valid during the period of contract and shall continue to be enforceable for a period of **Two years or up to warranty period** whichever is later from the

date of order acknowledge. In case PBG needs extensions up to extension period then supplier shall initiate extensions to PBG one month prior to expiry of PBG.

5.8 For successful suppliers, if PBG is not submitted along with Order Acknowledgement, then the Purchase Order will be cancelled.

5.9 No interest shall be payable by the buyer to the Bidder on PBG.

6. Sanctions for Violations

6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all

or any one of the following actions, wherever required:-

i. To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

ii. The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.

iii. To immediately cancel the contract, if already signed without giving any compensation to the BIDDER.

iv. To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.

v. To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.

vi. To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

vii. To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of two years, which may be further extended at the discretion of the BUYER.

viii. To recover all sums paid in violation of this pact by the BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

ix. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.

x. Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The BUYER will be entitled to take all or any of the actions mentioned at para 7.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has

been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

7.1 The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry / Department of the Government of India or PSU and if it is found at any stage that similar product/system or sub-system was supplied by the BIDDER to any other Ministry/Department of the Government of India or PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

8. Independent monitors

8.1 The BUYER has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Chief Vigilance Officer, Indian Institute of Technology Bombay).

8.2 The task of the Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

8.3 The Monitor shall not be subject to instructions by the representatives of the parties and performs their functions neutrally and independently.

8.4 Both the parties accept that the Monitor have the right to access all the documents relating to the project/procurement, including minutes of the meetings.

8.5 As soon as the Monitor notices, or believes to notice, a violation of this Pact, he will so inform the Authority designated by the BUYER.

8.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.

8.7 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

8.8 The Monitor will submit a written report to the designated Authority of BUYER/ Secretary in the Department/within 8 to 10 weeks from the date of reference or intimation to him by the BUYER

/ BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the

BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information & documents in English and shall extend all possible help for the purpose of such examination.

10. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and Jurisdiction is the Seat of the BUYER.

11. Other Legal Actions

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

12. Validity

12.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/ Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

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

The Parties hereby sign this Integrity Pact.

BUYER

BIDDER

General Manager (Marketing), RailTel Corporation Of India

Signature with seal

Date & Place:

Date & Place:

Witness

Witness

1. _____

1. _____

(Indenter)

2. _____

2. _____

Sr. No	Item	Capable of Handling AP	Quantity	HSN/SAC code of the material	Basic price	SGST	CGST	IGST	Any other taxes (1)Please mention type of taxes	Any other taxes (2)Please mention type of taxes	Any other taxes (3)Please mention type of taxes	Total
1	Wireless Controller	Redundant Hardware Base Wireless Controllers with 802.11ax (WiFi-6) radios in 2.4 GHz and 5 GHz bands with high data rates and backward compatibility with 802.11 a/b/g/n/ac radios capable of supporting at least 5000 access points even in a situation in which 50% of the controller has failed or N+1 High Availability Deployment Modes. Each with minimum 2x10Gbps and uplink with minimum 2x40Gbps ports.	1									
2	Wireless Access Point Indoor	Access points 4x4:4 MU-MIMO in Both 2.4Ghz and 5Ghz with Access Point mounting kit with safety protection mechanism set from theft (Should be provided from day one). With a minimum 1x1/2.5Gbps RJ-45 port.	1600									
3	Wireless Access Point Outdoor	Access points 4x4:4 or 2x2:2 MU-MIMO in 2.4Ghz and 4x4:4 MU-MIMO in 5Ghz with Access Point mounting kit with safety protection mechanism set from theft and should provide power injector. With a minimum 1x1/2.5Gbps RJ-45 port.	10									

4	Wireless Controllers SFP and SFP+	Wireless Controllers Transceivers (per controller) SFP LR 10G	2									
		Wireless Controllers Transceivers (per controller) QSFP LR 40G	2									
5	NMS	NMS hardware or VM and software along with the license with proposed AP Qty.	1									
6	WIPS/ WIDS	Support hardware/software to implement advanced WIDS & WIPS from day One	1									
7	Console Cables	Indoor and Outdoor AP connectivity console cables (Indoor 13, and Outdoor 2)	15									
8	AMC	Comprehensive AMC for 2 years. (Four hours' response time with 99% uptime commitment. This should be available on a 24x7 basis.) AMC percentage should not exceed 10% of goods value.	2 years									

Terms and conditions: -

All the terms and condition as per end customer RFP will be applicable

All the above details are mandatory.



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TENDER DOCUMENT

IIT Bombay invites competitive e-bids from interested bidders through e- procurement portal. A copy of the Tender Document is also available on our website: <http://www.iitb.ac.in/en/tenders>. **To participate, bidders need to register themselves on our portal <https://portal.iitb.ac.in/vrp/index.jsp> and generate user ID & password.** For any queries, registered bidders may write to us on : srm@iitb.ac.in or contact Tender Section, Ground Floor, Main Bldg. Materials Management Division, IIT Bombay, Powai, Mumbai - 400 076.

SECTION 1 – INVITATION FOR BIDS

1.	RFx No.	6100001167
2.	RFx Date	29.09.2022
3.	Item Description	Campus Wide Wireless LAN System
4.	GTE Approval Reference	F . No. 1-14/2020-T.S.-I(Pt1), Dated the 8 th August, 2022
5.	Tender Type	Open
6.	Number of Covers	Two
7.	Pre- Bid Meeting Date & Time	10.10.2022 at 3:00 pm
8.	Pre-Bid Meeting Details	Join WEBEX meeting https://kaksha.webex.com/kaksha/j.php?MTID=m555fd01f05ebdcf29f33c74e46b27f32 Meeting number (access code): 2515 432 3363 Meeting password: IITBSept@2022
9.	Bid Submission End Date & Time	As mentioned in the On-Line Tender
10.	Bid Opening End Date & Time	As mentioned in the On-Line Tender
11.	Bid Opening Place	Materials Management Division, Main Building, Ground Floor, IIT Bombay
12.	Warranty	As mentioned in attached technical specifications document.
13.	Period of Work/Delivery Period (in Days)	For Foreign Suppliers : Within 60 days from the date of opening of LC For Indigenous Suppliers : Within 30 days from the date of purchase order
14.	Contract Type	Tender
15.	Delivery Location	Computer Centre, IIT Bombay - 400076



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16.	EXEMPTION FROM SUBMISSION OF EMD	<p>I. Micro and Small Enterprises (MSEs) –registered with District Industries Centres or Khadi and Village Industries commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicraft and Handloom or any other body specified by the Ministry of Micro, Small and Medium Enterprises as per MSMED Act 2006, and further amendments for goods produced and service rendered shall be exempted from paying Earnest Money Deposit (EMD).</p> <p>II. Bidders have to submit an undertaking for BID security/MSME/NSIC certificate, mandatory as per enclosed Format 1.</p>
17.	NIT Document Details	<p>Notice Inviting Tender includes the following documents:-</p> <p>a) NIT Document</p> <p>b) Technical Specification</p> <p>c) Annexures</p> <p>d) Format of Undertaking for Bid Security, PBG, Previous Supply Order Details</p>
18.	Bidder's Document Details	<p>Bidder needs to upload duly filled, stamped and signed documents as listed below to the “cFolder Attachment – Tech Bid” option in the “Notes and Attachments” section which is located under “Rfx Information” tab.</p> <p>a) NIT Document</p> <p>b) Technical Bid Responses (mandatory)</p> <p>c) Previous Supply Order Details</p> <p>d) Annexures (mandatory)</p> <p>e) Undertaking for Bid Security/MSME/NSIC certificate (mandatory)</p>
19.	Technical Clarification	<p>Name : Prof. Prabhu Ramachandran</p> <p>Dept. : Computer Centre, IIT Bombay</p> <p>Email : head.cc@iitb.ac.in</p> <p>Contact No. : 022-2576-7750</p>
20.	Any Other Clarification	<p>Name : Deputy Registrar</p> <p>Dept: Materials Management Division, Gr. Floor, Main Building, IIT Bombay, Powai, Mumbai-400 076</p> <p>Email : tender.mmd@iitb.ac.in</p> <p>Contact No. : 022-2576 8805</p>
21.	Signing Authority	Deputy Registrar (MM)



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SECTION 2: INSTRUCTIONS TO BIDDERS

1.	PREPARATION AND SUBMISSION OF OFFER
1.1	Language of Bids: The bid as well as all the correspondence and documents related to bid, the bid exchanged between the bidder and IIT Bombay shall be in English Language.
1.2	Online Bids are invited through Supplier Relationship Management (SRM) system. Response to the tenders is to be submitted electronically and No physical paper / print out needs to be submitted, except EMD. Bidders need to have login credentials for SRM Portal for participation in the tender. If a bidder who wish to participate in the tender is not presently enlisted with IIT Bombay or not having login credentials can obtain the same through Registration on IIT Bombay Vendor Registration Portal by providing required details before the RFX submission deadline.
1.3	<p>For registration, bidders have to carry out TWO STAGE REGISTRATION –</p> <p>Stage 1)Vendor Registration and</p> <p>Stage 2)E-Tender Registration. After successful registration at both stages, bidders are qualified for applying for E-tendering. Detailed procedure of registration is given below:</p> <p>1.3.1 Stage No 1 - Vendor Registration</p> <p>Vendors are requested to register themselves as VENDOR of IITB by visiting the following link and generate USER ID & PASSWORD: https://portal.iitb.ac.in/vrp/index.jsp</p> <p>Help for Vendor Registration : https://portal.iitb.ac.in/vrp/vrp_help.jsp</p> <p>1.3.2 Stage No 2 - E-Tender Registration</p> <p>After successful registration, login as a VENDOR on IITB Portal and click on the tab “Register for E-Tender”. A request will be generated for IITB E-Tender Registration and will be processed by MDM team of IIT Bombay. After processing, the Login credentials for IITB E-Tender Portal will be sent to your registered Email-ID. (Vendor registration & E-tender registration is one time activity, hence kindly keep the Login credentials details for future bidding)</p> <p>1.3.3 Mandatory System Requirement for e-tendering</p> <p>(This is one time activity) Kindly go through the manuals for System Requirements for Online bidding. https://portal.iitb.ac.in/vrp/ERP_SRM_UserManuals/SRM-014_E-Tendering_Application_System_Requirements_V1.1.pdf</p>



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	<p>1.3.4 Extracting and Uploading Digital Signature Kindly go through the manuals for extracting and uploading Digital Signature. https://portal.iitb.ac.in/vrp/ERP_SRM_UserManuals/SRM-016_Extract_Upload...</p> <p>1.3.5 Uploading of Online Bids Kindly go through the manual for submission of online response. https://portal.iitb.ac.in/vrp/ERP_SRM_UserManuals/SRM-008_Advertisement_Tender_Vendor_Bid_Response_ZATI_EUT_V1.1.pdf</p> <p>Click on the following link for E-tender :https://ep.iitb.in/irj/portal</p>
1.4	The bidder should read carefully & understand the tender document, technical specification procedure for e-tendering etc. completely before participating in the e-tender procedure. Participation in the e-tendering entails that the bidder(s) has/have read all the terms & conditions of contract etc. and agree/abide by them.
1.5	It is mandatory for bidders to register on CPPP.
1.6	<p>Digital Signature:</p> <p>1.6.1 The intending bidder must have valid class-III digital signature to submit the bid. The bid submitted online should be signed electronically with a class-III digital certificate to establish the identity of the bidder submitting the bid online. The bidders may obtain class III digital certificate issued by an approved certifying Authority authorised by the Controller of Certifying Authorities of India.</p> <p>1.6.2 Class III Digital signature certificate should be combined of (Signature + Encryption)</p> <p>1.6.3 Bidder is responsible for ensuring the validity of digital signature and it's proper usage by their employee.</p> <p>1.6.4 The bid including all uploaded documents shall be digitally signed by duly authorized representative of the bidding company.</p>
1.7	Bidder should upload documents in PDF format.
1.8	<p>Indian Agents and OEMs:</p> <p>1.8.1 It is mandatory for all Indian Agents to submit copy of Indian Agent Agreement / Authorization letter from OEM / OEMs along with tender.</p> <p>1.8.2 In a tender, either the Indian agent on behalf of the Principal / OEM or Principal / OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. In</p>



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	<p>case offers are received both from manufacturers as well as from their authorized agent, offers from their manufacturers only shall be considered.</p> <p>1.8.3 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same bid for the same item/product.</p> <p>1.8.4 100% Subsidiary firm of foreign company in India cannot bid through Indian Agent/Distributor.</p> <p>1.8.5 It is mandatory for Indian Agents, Indian subsidiaries and Indigenous bidders to have GSTIN Registration No. and should upload duly filled Bidders Information along with the tender document.</p>
1.9	In case of Two bid system, the technical responses and all the required document to be uploaded in “cFolder Attachment – Tech Bid” option under “Notes and Attachment” which is located under “Rfx Information Tab” and prices to be quoted in bidding engine.
1.10	No physical papers/prints need to be submitted.
1.11	If the warranty is not specifically mentioned in the Technical Specification by the bidder then warranty will be assumed as One year from the date of successful installation/commissioning of the equipment.
1.12	It is mandatory for bidders to specify the delivery period, otherwise standard delivery period will be considered from the date of issue of purchase order.
1.13	Fax/E-mail/Telephonic offers will not be accepted.
1.14	IIT Bombay discourages High Sea Sale purchase. All bids with High Sea Sale may be rejected.
1.15	In case of Import supplies, bidder has to mention the ‘ Nearest International Airport/ Port of Shipment ’.
2.	COST OF BIDDING
2.1	The Bidder shall bear all costs associated with the preparation and submission of its Bid and the Purchaser shall not be responsible or liable for those costs regardless of the conduct or outcome of the bidding process.
3.	VALIDITY OF THE OFFER
3.1	180 Days from the date of opening of the Technical bid.
4.	AMENDMENT OF BIDDING DOCUMENTS
4.1	At any time prior to the deadline for submission of bids, IIT Bombay may, for any reason,



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	whether on its own initiative or in response to the clarification request by a prospective BIDDER may modify the bid document.
4.2	All prospective BIDDERS who have downloaded the bidding document may visit IIT Bombay, website for amendments / modifications which will be binding on them.
4.3	Corrigendum for extensions of due date or any other changes in the tender will be notified online through http://www.iitb.ac.in/en/tenders OR https://eprocure.gov.in/epublish/app . and will not be published in newspapers.
5.	MODIFICATION OF BIDS
5.1	Bidders to ensure that response submission is done before submission deadline date & time. RFx can be “withdrawn” and modified as long as submission deadline date and time is not lapsed. RFx response cannot be modified once submission deadline is over.
6.	DEADLINE FOR SUBMISSION OF BIDS
6.1	Timely submission of the bids is the responsibility of the bidders. Bidders should submit their bid on-line before closing of the tender date & time.
7.	EXTENSION OF BID SUBMISSION DATE
7.1	Normally no request for extension of bid closing date will be entertained. However, in case of any changes in the specifications, receipt of inadequate response or any other reasons, IITB may at its discretion, extend the bid closing date and/or time.
8.	RFx OPENING PROCESS
8.1	Technical RFxresponses(Technical Bid) will be opened at first instance in the system electronically in case of Two Bid System.
8.2	System allows opening of RFx response only after the specified due date and time. Officials Authorized for opening the technical bids shall open the RFx responses in the system.
8.3	Price RFx responses (Price Bid) of such vendors whose bids are found to be technically qualified will be opened subsequently with prior intimation to qualified bidders.



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9.	EVALUATION OF BIDS
9.1	All the RFx shall be evaluated on the basis of final landed cost at IIT Bombay which includes all taxes duties and other charges. If bidders quote different GST slabs for a product, then IIT Bombay will follow HSN code and GST rules of GOI for uniform comparison of all bids.
9.2	IIT Bombay shall compare all substantially responsive bids to determine the lowest evaluated bid. The Institute is following and abide with the revised Public Procurement (Preference to Make in India), Order 2017 P- 45021/2/2017 – B. E. –II dated 04.06.20 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India & subsequent amendments/instructions of Ministry. Accordingly preference will be given to the make in India products while evaluating the bids. However, it is sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India along with respective documentary evidence in the technical bid itself.
9.3	The successful bidder will be asked to send the soft copy of Price Bid on company letter head to tender.mmd@iitb.ac.in for verification of online bid.
10(A)	PRICE BID (FOR IMPORT SUPPLIES)
10(A).1	It is mandatory to quote price in FCA (Nearest International Airport) / FOB (Nearest International Port of Shipment) basis only in the bidding engine.
10(A).2	The quantity mentioned in the tender can be increased or decreased upon actual requirement subject to provision of GFR 2017 and relevant public procurement guidelines.
10(A).3	Prices should be quoted net of discount and exclusive of taxes by the bidders.
10(A).4	Bidders should select Go (G zero) Tax Code for imported items.
10(B)	PRICE BID (FOR INDIGENOUS SUPPLIES)
10(B).1	Price quoted should be in Indian Rupees, free delivery at IIT Bombay Campus at site. (DDP)
10(B).2	The quantity mentioned in the tender can be increased or decreased upon actual requirement subject to provision of GFR 2017 and relevant public procurement guidelines.
10(B).3	Prices should be quoted net of discount and exclusive of taxes by the bidders.



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10(B).4	Bidders should select relevant Tax Code for Indigenous items. (If bidders select wrong tax code while bidding then IIT Bombay shall correct it as per GOI norms/HSN code and uniform tax will be applicable as per HSN code of the product for all the bidders uniformly).
11.	CANCELLATION OF TENDER
11.1	Notwithstanding anything specified in this bidding document, Purchaser / IIT Bombay at its sole discretion, unconditionally and without assigning any reason, reserves the right:
11.1.1	To accept OR reject lowest bid or any other bid or all the bids.
11.1.2	To accept any bid in full or in part.
11.1.3	To reject the bid offer not confirming to the tenders terms.
11.1.4	To give purchase preference to Public Sector undertakings when applicable as per Govt. Policy/ Guidelines.
11.2	The bids submitted by vendors which are conditional in nature will be summarily rejected.
12.	EXEMPTION FROM SUBMISSION OF EMD
12.1	Micro and Small Enterprises (MSEs) –registered with District Industries Centres or Khadi and Village Industries commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicraft and Handloom or any other body specified by the Ministry of Micro, Small and Medium Enterprises as per MSMED Act 2006, and further amendments for goods produced and service rendered shall be exempted from paying Earnest Money Deposit (EMD).
12.2	EMD is not applicable for items of proprietary in nature.
12.3	Bidders have to submit an undertaking for BID security/MSME/NSIC certificate , mandatory as per enclosed Format 1.
13.	PERFORMANCE GUARANTEE
13.1	Performance Guarantee Bond is mandatory.
13.2	Successful tenderer/ bidder should submit performance guarantee as prescribed above to be sent to Deputy Registrar, Materials Management Division, IIT Bombay along with order acknowledgement. The PBG to be furnished in the form of bank guarantee as per Format 2, for



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	an amount covering 3% of the purchase order value.
13.3	The Performance Guarantee should be established in favour of “The Registrar, IIT Bombay”.
13.4	PBG to be established through any of the National Banks/ Scheduled Commercial Banks(whether situated at Mumbai or outstation) with a clause to enforce the same on their local branch of Mumbai or any scheduled bank (other than national bank) situated at Mumbai.
13.5	Performance Guarantee Bond shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful tenderer and the purchaser under the terms & conditions of acceptance to the tender.
13.6	The successful tenderer is entirely responsible for due performance of the contract in letter and spirit and all other documents referred to in the acceptance of tenders.
13.7	The PBG shall be kept valid during the period of contract and shall continue to be enforceable for a period of one year/two years (as mentioned in the tender document) or upto warranty period whichever is later from the date of order acknowledgement. In case PBG needs extensions upto warranty period then supplier shall initiate extensions to PBG one month prior to expiry of PBG.
13.8	If successful bidder fails to submit the Performance Guarantee Bond along with Order Acknowledgement then purchase order/contract will be cancelled.
13.9	No interest shall be payable by the buyer to the Bidder on PBG.
13.10	PBG clause is not mandatory for Consumables items valuing upto 2.5 lakhs .
14.	FURNISHING FRAUDULENT INFORMATION/ DOCUMENT
14.1	If it is found that a bidder has furnished fraudulent document/information, the bid security/performance security (wherever applicable) shall be forfeited and the bidder/vendor will be debarred for a period of 3 (three) years from date of detection of such fraudulent act, besides the legal action. In case of major and serious fraud, period of debarment may be enhanced.
15.	CONFIDENTIAL INFORMATION
15.1	The bidder/seller shall treat as confidential all designs, drawings, data or information written or verbal, provided by IITB and shall use its best endeavours to ensure that such design, drawings, data or information is not divulged to any third party except with the consent of IITB where necessary for the purpose of performance of its obligation hereunder and subject to similar



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	undertakings being obtained from such third parties to treat such design, drawings, data or information in like confidence .
16.	REASONABILITY OF PRICE
16.1	Price quoted shall be the best competitive/minimum price applicable for a premier Educational and Research Institution. The bidder may be required to give details of at least two purchase orders identical or similar equipment, supplied to any IIT's/Research Institutions/ other organizations as and when required as per Format 4(to be enclosed in technical bid) along with the final price paid and details.
17	INSTRUCTIONS TO THE BIDDERS OF COUNTRIES WHICH SHARE LAND BORDER WITH INDIA
17.1	Any bidder from a country which shares 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).
17.2	"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 herein before, including any agency branch or office controlled by such person, participating in a procurement process.
17.3	<p>"Bidder from a country which shares a land border with India" means: -</p> <ul style="list-style-type: none"> a. An entity incorporated, established, or registered in such a country; or b. A subsidiary of an entity incorporated, established, or registered in such a country; or c. An entity substantially controlled through entities incorporated, established, or registered in such a country; or d. An entity whose beneficial owner is situated in such a country; or e. An Indian (or other) agent of such an entity; or f. A natural person who is a citizen of such a country; or g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above



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17.4	<p>The beneficial owner for the purpose of point no. 18.3(d) above will be as under:</p> <ol style="list-style-type: none"> 1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who , whether acting alone or together , or through one or more juridical person, has a controlling ownership interest or who exercises control through other means . <p>Explanation-</p> <ol style="list-style-type: none"> a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company. b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements. <ol style="list-style-type: none"> 2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership; 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who , whether acting alone or together , or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals ; 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official. 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee , the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership
17.5	An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
17.6	In case of tenders for Works contracts, including Turnkey contracts, The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority .
17.7	In this regard, procurement of spare parts and other essential service support like Annual Maintenance Contract (AMC)/ Comprehensive Maintenance Contract (CMC), including consumables for closed systems from Original Equipment Manufacturers (OEMs) or their authorised agents, shall be exempted from the requirement of registration as mandated under rule of GFR and Public Procurement orders issued in this regard.



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SECTION 3 : CONDITIONS OF CONTRACT

1.	AWARD OF CONTRACT
1.1	Subject to clause no.9.1 & 9.2 of Section 2, IIT Bombay shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated commercial bid.
1.2	IIT Bombay reserves the right to award the contract to more than one BIDDER or any BIDDER.
2.	DUTIES AND TAXES
2.1	For Import Supplies – As per Govt. of India Notification No. 51/96 Custom dtd. 23rd July 1996,(Substituted under Notification No.43/2017 dtd.30th June 2017) Concessional Custom Duty is applicable to IIT Bombay for all purchases which are essential for <u>research</u> . We shall provide all the documents under this notification to enable you to clear the goods. Please state clearly that this certificate is required. The supplier shall pay and bear all other liabilities, taxes and duties not specifically agreed by the Purchaser in the contract. IGST at applicable rate will be as per prevailing government norms/policy. The Custom Duty Exemption Certificate will not be provided if quoted in Indian currency.
2.1	For Indigenous Supplies – GST at applicable rates will be payable by IIT Bombay. Bidder has to select relevant tax rate based on the HSN code as per the prevailing Government norms/ policy. The supplier shall pay and bear all other liabilities, taxes and duties not specifically agreed by the Purchaser in the contract. Concessional Custom Duty Exemption Certificate (CCDE) will not be provided against indigenous supplies.
3.	PRE- INSTALLATION
3.1	Please also mention the pre-installation requirements for the equipment like ambient temperature, humidity, civil work, weather specifications, power specifications, etc. When items are provided full performance satisfaction should be demonstrated.
4.	INSTALLATION
4.1	BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty period and thereafter as mentioned in the contract.
4.2	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.



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5.	TRAINING
5.1	The BIDDER should provide training for the operation and maintenance to the personnel of IIT Bombay on the offered equipment/machinery.
5.2	Wherever needed, our technical persons should be trained by the supplier at the project site. 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.
6(A)	TERMS OF PAYMENT (FOR IMPORT SUPPLIES)
6(A).1	100% Payment by Letter of Credit (90% payment will be released on receipt of documents without any discrepancies and balance 10% will be paid after satisfactory installation and commissioning). IIT Bombay do not pay any advance payment to party. Any request of Advance payment will be rejected summarily.
6(A).2	Any request for change in payment terms and conditions will not be accepted. In case, if it is necessary to change payment terms and conditions then IIT Bombay will not pay any additional charges. If the above payment terms conditions are not acceptable then tender will be rejected.
6(B)	TERMS OF PAYMENT (FOR INDIGENOUS SUPPLIES):
6.1	For Equipment/Goods "Payment within 30 days from the date of delivery, installation and Acceptance Certificate of concerned Department / Section / Materials Management Division, IIT Bombay."
6.2	For Annual Maintenance Contract "Payment on six monthly basis in equal instalments subject to their satisfactory performance to be certified by Indentor/User."
6.3	Payment shall be made by NEFT/ RTGS or such other mode / electronic fund transfer offered by the Bank.
6.4	IIT Bombay does not make advance payment to suppliers. Any request of Advance payment will be summarily rejected.
7.	LEGAL MATTER
7.1	All Domestic and International disputes are subject to Mumbai jurisdiction only.



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8.	TRANSFER AND SUBLETTING
8.1	The seller shall not sublet, transfer, assign or otherwise part with the acceptance to the tender or any part thereof, either directly or indirectly, without the prior written permission of the Purchaser i.e. IIT Bombay.
9.	FORCE MAJEURE
9.1	Force Majeure will be accepted on adequate proof thereof.
10.	PENALTY/ LIQUIDATED DAMAGES
10.1	Timely delivery is essence of the contract and hence in case of delay in delivery, liquidated damages at the rate of 0.5% of the price of the delayed consignment, for each week or part whereof shall be levied and recovered subject to maximum of 10% of total purchase order value.
10.2	IIT Bombay reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any will be recovered by forfeiting the PBG at vendor's cost and risks.
10.3	Non Delivery of material/service may lead to forfeiture of PBG and debarment of the supplier.
11.	SPECIFICATIONS AND SAMPLES
11.1	The suppliers shall supply the stores in accordance with the specifications/ descriptions of stores given in the acceptance of tender. The Purchaser reserves the right to alter the description of stores including drawings given in the acceptance of tender. In the event of any such alteration resulting in any implication to the delivery schedule and price, such implication shall be mutually agreed between the Purchaser and supplier. In case certified sample has been issued by the Purchaser and the Specifications / Drawings also exist in the acceptance of tender then the certified sample will govern the supply to the extent of material, workmanship and finished product.
12.	SUPERVISION OF ERECTION AND COMMISSIONING
12.1	Successful BIDDER shall depute concerned specialist, for supervision of erection & commissioning of the machine to be carried out. The successful BIDDER shall make necessary arrangement at their own expenses for stay, transport and other expenses of their specialist during their stay in Mumbai which also includes imparting free of cost training to IIT Bombay personnel.



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ANNEXURE I – BIDDER’S INFORMATION
 (Bidder should duly fill and upload with technical bid)

1	Name of the Bidder	
2	Address of the Bidder	
3	PAN No.	
4	GSTIN No.	
5	State of GST Registration	
6	E-mail ID	
7	Contact Person's Name & Designation	
8	Mobile No.	
9	CPPP Email ID	

Indian Agent's Information

1	Name of the Indian Agent	
2	Address of the Indian Agent	
3	PAN No. of Indian Agent	
4	GSTIN No. of Indian Agent	
5	State of GST Registration	
6	E-mail	
7	Contact Person's Name & Designation	
8	Mobile No.	
9	CPPP Email ID	

Signature and Seal of the Manufacturer / Bidder

Place: _____

Date: _____



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ANNEXURE II - QUESTIONNAIRE
(Bidder should duly fill and upload with technical bid)

Sr. No.	Question (if not applicable please mention 'NA').	Response
1.	Whether all the terms and conditions of the NIT document have been complied. Compliance (Yes/No)	
2.	Whether all the items specified in the technical specification has been compiled and have been quoted in the bidding engine. Compliance(Yes/No)	
3.	Confirm that you have read all the instructions carefully and have complied with the instructions accordingly. Compliance(Yes/No)	
4.	In case bidder does not manufacture goods offers to supply have submitted Manufacturer's Authorisation letter. Compliance(Yes/No)	
5.	Mention Delivery period	
6.	Mention Warranty of the material	
7.	Mention HSN/SAC code of the material	
8.	In case of import supplies whether you have mentioned nearest international port of shipment in the technical bid (if not applicable please mention 'NIL').	

Signature and Seal of the Manufacturer / Bidder

Place: _____

Date: _____



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ANNEXURE III – CERTIFICATE OF COMPLIANCE
(To be given on Company Letter Head)

Date: _____

To,
The Registrar,
Indian Institute of Technology Bombay,
Powai, Mumbai - 400076

Sub: Certificate of Compliance

Tender Reference No: _____

Name of Tender : _____

We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. We declare that our company is not from such a country or, if from such a country, has been registered with the Competent Authority. We hereby certify that all requirements in this regard are fulfilled and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]

Yours faithfully,
(Signature of the Bidder, with Official Seal)



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ANNEXURE IV – DECLARATION OF LOCAL CONTENT

(To be given on company letter head - For tender value below Rs.10 crores)

(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 crores)

Date: _____

To,
The Registrar,
Indian Institute of Technology Bombay,
Powai, Mumbai - 400076

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender : - _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has _____% local content.

I (The Bidder), also certifies that the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. are not included as local value addition while calculating local content percentage.

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“*False declaration will be in breach of 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.”*

Yours faithfully,
(Signature of the Bidder, with Official Seal)



**Revised Technical Specifications for IEEE 802.11 BASED CAMPUS-WIDE WIRELESS LAN
SYSTEM IN IIT BOMBAY**
RFx No. 6100001167 (Reference No. 1000022068)

IIT Bombay has an established WiFi network within the campus. Our current wifi solution consists of two Aruba wireless controllers with 2000 access point support in each one across the campus. The active state of AP is 1500. The proposal aims to have a solution for all the hostels and academic areas as well as some administrative buildings on the campus.

For this purpose, IIT Bombay invites bids for campus-wide controller based wireless WiFi-6 LAN-based systems on the IEEE 802.11[ax] with backward compatibility with [a/b/g/n/ac] standards. We anticipate that the number of access points will be more than 3000 which adequately covers designated locations. The products and quantities are mentioned in the technical specification below.

This document describes the technical specifications of the wireless controllers, wireless access points, and other accessories. For the evaluation of the commercial phase of the bid, the bidder must include

- i) A comprehensive warranty for 5 years.

1.0 IIT Bombay looking for the Technical Solution:

1. The proposed wireless controller configuration/hardware should be scalable to support 5000 Access Points. The licenses to be factored from day 1 should be as per the number of Access Points asked in the RFP.
2. User authentication with RADIUS and LDAP integration with encryption methods.
3. Solution with log analysis with alerts by SMS/Email. The logs should be maintained for 6 months.
4. The solution should have Wi-Fi security hardening policies including User-based, Role-based, Bandwidth utilization, VLAN and Network policy.
5. The Wi-Fi solution must have a hardware controller-based solution.
6. The solution should provide captive portal-based authentication and integrated secure Radius/LDAP authentication.
7. The bidder should submit a heat map for the designated IIT Campus, the survey should be done by all the OEM/Bidder on their own. The heat map should contain the positioning and marking of the APs.
8. The solution should support up to IEEE 802.11 standards in 2.4 GHz and 5 GHz bands with maximum data rates with the latest 802.11 standards(a/b/g/n/ac/ax).
9. The architecture should be ready to provide a smooth transition to the next generation IEEE 802.11 standard.
10. Airtime fairness must be provided for all types of clients OR Equivalent.
11. The WAP solution should include wireless intrusion detection functionality with relevant licenses.
12. Ability to perform auto-detect, locate, manage and secure the proposed wireless networks from threats including possibly BYODs acting as rogue access points/soft APs along with

- the configuration ability to alarm/prevent tethering.
13. Detects and provides different SSIDs for different users with role-based IP-based and policy-based. BYODs and IITB system services authentication through Radius/Ldap with DHCP support.
 14. Any software upgrade for the proposed solution should be made available immediately in perpetuity and free of cost for IITB to maintain and smoothly run the WiFi solution network.
 15. The proposed equipment and their software should have a minimum support life cycle of 7 years (5 years' warranty and 2 years AMC) from the date of complete deployment in IITB.
 16. Technically the capability of monitoring AP should be through SNMP or any other proprietary protocols.

2.0 QUALIFICATION CRITERIA FOR BIDDER AND OEM

The Bidder/OEM's qualification will be determined based on their ability to execute this project and provide continuous support.

The Bidder/OEM should submit the tender documents with the indexing as mentioned in the criteria shown below with the proof of supporting documents. The sequence with page numbers and bookmarking should be specified. In addition to the supporting documents, an undertaking for the fulfilment of each eligibility criterion should be submitted.

The OEM /Bidder should satisfy the following criteria.

Sr. No	Eligibility Criteria	Yes/No	Under taking	Submit the Proof Documents
1	OEM must be in the core business of Wireless network solutions and must have a presence for a minimum of 3 years in India.			
2	The bidder should be an authorized representative of the OEM. The bidder shall furnish the manufacturer's authorization(MAF) letter from the respective OEMs, specific to this tender mentioning the tender number for which bid the authorization is being provided.			
3	OEM should have 24x7x365 fully functional service and support centers in India and that can guarantee during the warranty period AMC periodthat any replacement if required can be done within 24 hours/Next business day. Provide the relevant documents.			
4	Bidder should be an OEM-certified wireless solution supplier and integrator.			
5	The bidder should have an annual turnover of at least INR 3 crores from system integration involving Supply, Installation, Testing, Commissioning, and Maintenance of IT infrastructure i.e. Network Business in each of the last three financial years			
6	Bidders should have an adequately documented track record of supplying and installing Wi-Fi access points (a total of at least 500 access points supplied over the last 5 years).			

7	The Bidder should have at least 5 wireless technology certified engineers on their payroll as of the date of submission of the bid. The bidder should provide the wireless certified engineer's certificates, roll list, and resume of their employees in the excel sheet format with a document of proof. Further, these resources should have prior experience in implementation/maintenance of projects like Campus-wide WLAN, management, designing, and commissioning of such projects.			
8	An undertaking (self-certified) is to be submitted by the bidder that the organization has not been blacklisted for security or any other reason by the Central/State Government Department / Organization and educational institutes.			
9	The proposed OEM product shall not be declared the end of support life for the next 7 years.			
10	All WLAN network components such as AP, Controller, transceivers (SX, LX, LR Modules), and Network Management Software are (NMS) from the same OEM.			
11	The offered product controller-based solution against the supply order shall be of the latest version, the latest product. However, if any product, which is declared an end of life by the OEM during the supply period of material (During the Contract period), the bidder should supply a replaced model or next higher model/version with the same specification of higher specification of the product.			
12	The support facilities should be fully owned by the bidder / OEM and managed by their permanent employees (company payroll) and not through franchisee(s).			
13	The bidder/OEM should have local support in Maharashtra			
14	Technical Assistance Centre(TAC) and research and development (R&D) should be based in India.			
15	Should have India toll-free customer support.			
16	The bidder should have a positive net worth during the last three financial years.			
17	The bidder should have valid documentary proof of the GST registration number.			
18	It is mandatory to enclose all the supporting documents.			

3.0. SCOPE OF WORK AND TERMS AND CONDITIONS:

Bidders are advised to read the following clauses carefully. Submitting your solution implies that you agree to act as per the terms and conditions mentioned below.

1. The bidder shall supply, transportation to the site, transit insurance and the bidder shall supply, install, configure and demonstrate all the specified features in the proposed wireless solution.
2. The bidder shall provide all the documentation including Architecture, Design, Deployment diagrams, test plans, operating and service manuals, diagrams and test reports of the deployed WLAN system, both in hard and electronic copy versions.
3. Bidders should provide all documents/manuals useful for daily administration.
4. The bidder shall bear all costs during the preparation and submission of the proposal, site

visit (if required) etc.

5. The bidder must provide verifiable eligibility criteria documents to support their claims.
6. The bidder may be asked to come to IIT Bombay and present the solutions proposed in the technical bids along with PoC to IIT Bombay if required.
7. No new information will be accepted from the bidder after the submission of the bids. However, IIT Bombay may ask for clarifications if required, on submitted information to evaluate the bid. The bidder should respond to such clarification requests within the specified time defined by IIT Bombay during that phase.
8. Due to an extremely strict deadline for incurring the expenditure, IIT Bombay has the right to cancel the PO, if the delivery, installation and acceptance testing are not completed within the stipulated timeline. Specifically
 - a. Delivery should be within 24-28 weeks of issuing of PO.
 - b. Installation, commissioning, and acceptance testing should complete within 18 weeks of delivery.
9. The warranty period is to be counted from the date when the installation is completed and the acceptance certificate has been issued by IIT Bombay.
10. The installation will be executed by certified and trained engineers from Bidder/OEM for Wireless controllers followed by well-documented, comprehensive user training.
11. OEM will provide an undertaking that OEM is responsible for a 5-year performance guarantee and a 2-year AMC period.
12. Any item not specifically mentioned in the technical specification and bill materials but required for successful implementation of the WLAN solution (in the solution proposed by OEM) must be brought to our notice and quoted accordingly including all prices in the quote.
13. At the time of installation, if it is found that some additional hardware or software items are required to meet the operational requirement of the configuration, but not included in the OEM's original list of deliverables, the OEM shall supply such items to ensure the completeness of the configuration at no extra cost and within the stipulated time.
14. The entire installation should be done at the proposed site only. Requests for remote access for installation/fine-tuning will not be entertained during the installation period.
15. The successful bidder may be required to configure the scheduling mechanism of the proposed solution in such a way that the existing WLAN solution in the current IITB WLAN facility should not be disturbed
16. The covering letter and all the Proformas should be submitted on the company letterhead of the bidder, along with the technical proposal.
17. The successful bidder must execute the order and deliver it within 24-28 weeks as mentioned in serial no. 8 above. After issuing the purchase order, failing which the penalty clauses mentioned in the PO will be levied.
18. Bidders should quote for the products and models specified in the Technical Specification Table with service level agreement as mentioned in the document elsewhere.
19. If the specific model is not available, the bidder can quote for a product with higher specification and capability and compatibility. Bidders cannot quote for products with inferior specifications.
20. OEM must have support centers in India
21. The Bidder/ OEM must provide a Client Certificate regarding the same with the name of the signatory and his details.
22. The commercial bidding will be an electronic reverse auction.

4.0. TECHNICAL SPECIFICATIONS FOR A IEEE 802.11 BASED WIRELESS LOCAL AREA NETWORK SYSTEM: AND ALSO USED FOR PoC

Sr. No.	Characteristics of WLAN System
1	General Feature Requirements
1.0	The Solution should support 20Mhz or 40Mhz or both channels on 2.4Ghz and 20Mhz/40Mhz/80Mhz/160Mhz channel width on 5Ghz with aggregated data rate up to 4.8 Gbps. Proposed indoor APs should be 4x4 MU-MIMO with four spatial streams on both radios.
1.1	Wireless solution configuration should be scalable with a field-upgradeable license to add APs in a granular fashion. Mention the lowest granularity of the upgrade.
1.2	Slower clients should not be starved by faster clients and faster clients should not be adversely affected by slower clients.
1.3	The solution should have the latest generation operating systems across access points and wireless controllers.
1.4	Support automatic channel selection.
1.5	Support built-in security: Secure Boot or equivalent, runtime defences/image signing/ integrity verification, and hardware authenticity.
1.6	The proposed WLAN controller solutions should be hardware base only12.2
2.0	Hardware Controller Architecture :
2.1	Wireless controllers or clusters of identical controllers should be able to support 5000 AP's from day one, with N+1 redundancy or 100% redundancy.
2.2	AP should communicate over an encrypted tunnel to ensure end-to-end security of user information.
2.3	The controller should support the onboard DHCP server and if the external DHCP server is provided, then all the requisite software, and hardware must be provided as part of the bid.
2.4	Wireless solution able to deploy WLAN in tunnel mode.
2.5	Wireless solutions should have the ability to map SSID to VLAN and dynamic VLAN support for the same SSID.
2.6	Wireless solution for smooth, seamless and easy manageability, operation, interoperability and maintenance, the bidder should offer/quote WLC & WAPs of the same make (OEM).
2.7	Wireless solutions shouldsupport the auto-deployment of AP's at different locations.
2.8	The wireless controller should support automatic deployment with zero-touch provisioning and hierarchical configuration.
2.9	Wireless solutions should support controllers/groups of controllers to enable seamless mobility, and a high availability experience across Wi-Fi solutions in the event of failure or significant high density.
2.10	Support deep visibility into the network like RF health metrics, app utilization, device type and user data in an easy-to-integrate open supportive format.
2.11	Support captive portal and local database for authentication.
2.12	Wireless solutions should have the technology to eliminate sticky clients and boost Wi-Fi performance by ensuring that clients associate with the best access point.
2.13	Wireless solution appliances should support minimum 2x10Gbps data SFP/SFP+/UTP ports and shall support a minimum of 2x40 Gbps Uplink in modular uplinkoptions with minimum data throughput 40Gbps.
2.14	The wireless solution should support internet group management protocol (IGMP) snooping and the access point should transmit multicast packets only if a client associated with the access point is subscribed to the multicast group.

2.15	The proposed solution must provide automatic redundancy with wireless access points failing over to the standby controller in case of a site controller failure with full AP SSO.
2.16	The wireless solution should provide features that provide other management functions including firmware push and statistics.
2.17	Support dynamic RF management that provides the capability to do channel scanning.
2.18	Support an ability to dynamically adjust channel and power settings based on the RF environment.
2.19	The wireless solution should provide real-time charts/logs showing interference per access point, on a per- radio, per-channel basis.
2.20	The Wi-Fi AP and Controller should have the latest version/generation of software/os/firmware from the OEM.
2.21	The controller should support new AP hardware. Any new software upgrade required should be done without any downtime requirement.
3.0	Quality of Service
	General Features:
3.1	Priorities traffic for different applications.
3.2	Self-healing (on detection of RF interference or loss of RF coverage).
3.3	Dynamic load balancing to automatically distribute clients to the least loaded 802.11 channel and AP.
3.4	Support fast roaming feature.
3.6	Support band steering where 5 GHz clients preferred to connect over 5Ghz Radio to provide better load balancing among 2.4Ghz and 5Ghz Radios.
3.7	Encryption/decryption of 802.11 packets should be able to perform at the controller level.
3.8	The solution should provide support capability to raise critical alarms by sending an Email or SMS or SNMP to the IIT administrator.
3.9	The WLC should support QoS configuration for applications based on categories.
3.10	Supports smarter roaming and load balancing behaviour and is supported on both IPv4 and IPv6 networks.
4.0	Inline Security Features
4.1	Secure Guest Portal: Solution Should support local web-based authentication; Access (hotspot URL redirection for user login; provisioning): customization login/welcome pages. This portal should facilitate a simple process to create short-lived guest IDs and passwords which expire automatically. Support for the creation of logins for attendees of short events, such as conferences, should also be supported.
4.2	Should allow authenticated client devices to roam securely from one access point to another AP within or across subnets. There should not be any perceptible delay during re-association.
4.3	The solution should provide features to detect and mitigate interference from Wi-Fi.
4.4	Support 802.11e WMM.
4.5	Support automatic channel selection for interference avoidance.
4.6	Support to permit non-essential traffic while preventing it from overwhelming mission-critical applications.
4.7	Support to classify different types of Rogue AP detection and protection.
4.8	Support comprehensive integrated security features that include layer 2-7 deep packet inspection.
4.9	Support wireless IPS functionality.
4.10	Support IP filtering policies or ACL.
4.11	Support application awareness to WLANs to prioritize applications for each user.
4.12	Support Radius, LDAP and Single Sign-On (SSO) integration.

4.13	The solution should provide options for profiling devices and mapping specific VLANs.
4.14	Support L2 client isolation so users cannot access each other's devices. Isolation should have the option to apply per SSID.
4.15	The solution should detect DOS attacks and wireless intrusion and provide termination of rogue access points.
4.16	The controller comes with built-in security: Secure Boot or equivalent, runtime defenses or image signing or integrity verification and hardware authenticity and multiple OS versions and multiple configurations and reverse the same or equivalent
5.0	Authentication
5.1	Support IEEE 802.1X authentications.
5.2	Support External AAA servers: RADIUS, LDAP and Active Directory and SSO.
5.3	Support Web-based authentication and Portal base.
5.4	Support Open, 802.1x, EAP, PSK, WPA, WPA2-AES, WEP, WPA3 and enhance security.
6.0	Client Management
6.1	The solution should provide a guest login portal.
6.2	The proposed wireless controller should have a built-in captive portal option for guest onboarding.
6.3	Support user management features like rate limiting and user profile per WLAN/User etc.
7.0	Licenses, Warranty and Support
7.1	The proposed solution along with Access points must be supported for a minimum of 7 Years (5 years warranty and 2 years AMC) by the OEM/Bidder.
7.2	OEM should have an India toll free Technical Assistance Center (TAC) number, India Research and Development (R&D) Center and Support depot in India.
7.3	OEM should have at least 5 Technical Assistance Center (TAC) engineers in INDIA on OEM payroll for the last 3 years.
7.4	The proposed WiFi solution must have all the above feature hardware and licensing from day one and must be Enterprise-grade.
7.5	The proposed controllers should be enabled with all the required licenses to enable features or functionalities mentioned in RFP.
8.0	Hardware Features
8.1	Support up to a group of a maximum of 10 controllers to maximize performance and availability with 100% redundancy.
8.2	Redundancy should be based on industry-standard protocol.
8.3	Support hardware encrypted data plane between Access Point and Controller.
8.4	Support 802.11ax (Wi-Fi 6), WPA3 and existing standards with enhanced open standards or equivalent.
8.5	The wireless solution should support Active/Active (1:1) or Active/Standby (1+1) or N+1 High Availability Deployment Modes.
8.6	Wireless solution controllers should be rack-mountable 2U or less.
8.7	Should support Redundant Power Supply.
9.0	Scalability Features
9.1	The proposed solution should support 5000 access points from day one without any hardware upgrades with at least 15% free capacity on hardware along with 100% redundancy or N+1 High Availability Deployment Modes.
9.2	Support RJ-45 or USB compatible console port.
9.3	The solution should support at least 32,000 concurrent devices/users.
9.4	Support Command-line interface: Telnet/Secure Shell (SSHv1, SSHv2) Protocol or Serial port.

9.5	Support OpenFlow/RESTCONF/Netconf or equivalent protocol capability to enable software-defined networking.
9.9	Support NTP/SNTP.
9.7	Support Web-based: HTTP/HTTPS.
9.8	Support Simple Network Management Protocol: SNMPv1, SNMPv2c, SNMPv3.
9.9	Support FTP or Trivial File Transfer Protocol (TFTP).
9.10	Support SFTP or SCP.
9.11	Support Event Logging (Syslog) and remote server logging.
9.12	Support IPv6 and IPv4 from day one.
9.13	Support Built-in Wireless/RF optimization.
9.14	Supportability to capture packets from any interface on the access points (like Ethernet, radio, VLAN, etc.)
9.15	The solution should support Client health for real-time client performance metrics, connectivity, traffic, signal-to-noise ratio (SNR) and data rate, as well as historical traffic, to help troubleshoot connectivity problems.
10.0	Indoor Wireless Access Point (WAP) Specification
10.1	The Solution should support 20Mhz or 40Mhz or both channel widths on 2.4Ghz and 20Mhz/40Mhz/80Mhz/160Mhz channel width on 5Ghz with aggregate data rate 4.8Gbps.
10.2	The proposed indoor access point shall be 802.11ax compliant with support for 4x4:4 MU-MIMO on both radios 5Ghz and 2.4Ghz.
10.3	The solution should support Multi-User MIMO (MU-MIMO) Technology to maximize throughput along with support for four spatial streams on both radios.
10.4	Support radio technologies 802.11b(DSSS), 802.11 a/g/n/ac(OFDM), 802.11ax(OFDMA).
10.6	Supported modulation types: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM.
10.7	Support WPA3 and Enhanced Open security or equivalent
10.8	Support IEEE 802.11ax or WiFi-6 standard from day one.
10.9	Support 802.3af/at/btPoE/PoE+/PoE++ or equivalent standard which must support 802.11ax AP with full functionality.
10.10	Support OFDMA to reduce overhead and latency.
10.11	Should support target wait time (TWT) to improve network efficiency and device battery life.
10.12	Support Built-in technology that resolves sticky client issues for Wi-Fi 6 devices.
10.13	Support 16 WLANs per AP for SSID deployment flexibility.
10.14	The proposed access point should support IoT-ready BLE or Zigbee technology.
10.15	Support telnet or SSH login to APs directly for troubleshooting flexibility.
10.16	Support simple policy management which is applied based on user role, and applications.
10.17	Supported AP can be activated with Zero Touch Provisioning through a hardware controller which should reduce deployment time, centralize configuration, and help manage inventory.
10.18	The proposed solution should support SSL/IPSec VPN/Capwap/PAPI tunnel or equivalent.
10.19	Support both ceiling and wall mounting options along with safety mechanisms set from theft.
10.20	Operating channels should be as allowed by the regulatory domain in India.

10.21	Transmit Power increments as per regulatory domain.
10.22	The proposed indoor AP should support a 100/1000/2500 BASE-T (RJ-45) Mbps LAN port.
10.23	Support -92 dBm or better Receiver Sensitivity.
10.24	The proposed access point should support the option of an external POE Injector or external power adapter.
10.25	Support minimum 3dBi Antenna gain on each radio.
10.26	Support a minimum of 20dbm of transmit power in both 2.4Ghz and 5Ghz radios and should follow the Indian regulatory Norms.
10.27	Support to operate minimum at 0 to 40 degree celsius temperatures.
10.28	Support packet capture, RF sensing capabilities.
10.29	Should be UL2043 - Plenum Rated or equivalent
10.30	Support AP enforced load-balance between 2.4Ghz and 5Ghz band.
10.31	Support incorporates radio resource management for power, channel and performance optimization.
10.32	Support Proactive Key Caching or other methods for Fast Secure Roaming.
10.33	Support Management Frame Protection (802.11w).
10.34	Support the ability to serve clients and monitor the RF environment concurrently.
10.35	Support 802.11e and WMM (Wi-Fi Multimedia).
10.36	Support QoS and Video Call Admission Control capabilities.
10.37	Support transmit beamforming to increase signal reliability and range.
10.38	Support Transmit power: Configurable in increments range of 0.5dBm - 1.0 dBm OR defined percentage/Integer value
10.49	Support for console port RJ-45 or USB compatible.
11.0	Outdoor Wireless Access Points Specifications
11.1	The Solution should support 20Mhz or 40Mhz or both channels with 2.4Ghz and 20Mhz /40Mhz/80Mhz/160Mhz channel width on 5Ghz with an aggregate data rate of 4.8Gbps.
11.2	The proposed outdoor access point shall be 802.11ax compliant with support for 4x4:4 MU-MIMO in 5Ghz and 2x2:2 MU-MIMO in 2.4Ghz radio interfaces.
11.3	Support radio technologies 802.11b(DSSS), 802.11 a/g/n/ac(OFDM), 802.11ax(OFDMA).
11.4	Supported modulation types: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM.
11.5	Support Multi-User MIMO (MU-MIMO) Technology to maximize throughput.
11.6	Support OFDMA to reduce overhead and latency.
11.7	Support WPA3 and Enhanced Open security or equivalent
11.8	Support incorporates radio resource management for power, channel and performance optimization
11.9	Support 802.11e and WMM (WiFi Multimedia).
11.10	Support Proactive Key Caching or other methods for Fast Secure Roaming.
11.11	Support Management Frame Protection.
11.12	Support locally significant certificates on the APs using a Public Key Infrastructure (PKI).
11.13	Support 16 WLANs per AP for SSID deployment flexibility.
11.14	Support the ability to serve clients and monitor the RF environment concurrently.
11.15	Wireless solution able to deploy WLAN in distributed mode or tunnel mode.
11.16	Support telnet or SSH login to APs directly for troubleshooting flexibility.
11.17	Support QoS and Video Call Admission Control capabilities.

11.18	Support Power over Ethernet (PoE+/802.3bt/PoE++) compliant or equivalent standard which must support 802.11ax outdoor AP with full functionality.
11.19	Support from Humidity, Water, Dust, Shock and Vibration.
11.20	Support operating temperature of -5 to 55°C.
11.21	AP should support wind survivability of 165MPH.
11.22	Should withstand relative humidity in the range of 10-90% non-condensing.
11.23	Support IP67 or NEMA rated.
11.24	Support 3.0 dBi antennas gain on both radios.
11.25	Support WiFi6 certification from day one.
11.26	The proposed solution should not transmit power more than the approved norms as per WPC guidelines for outdoor wireless.
11.27	Support -93 dB or better Receiver Sensitivity.
11.28	Support AP enforced load balance between 2.4Ghz and 5Ghz band.
11.29	Support IEEE 802.11ax or WiFi-6 standard from day one.
11.30	Support Built-in technology that resolves sticky client issues for Wi-Fi 6 devices.
11.31	The solution should be able to handle cellular interference.
11.32	Support 16 WLANs per AP for SSID deployment flexibility.
11.33	The proposed access point should support IoT-ready BLE or Zigbee technology.
11.34	Support simple policy management which is applied based on user role and applications.
11.35	The proposed solution should support SSL/IPSec VPN/Capwap/PAPI tunnel or equivalent.
11.36	Support to operate in controller-based mode.
11.37	Supported AP can be activated with Zero Touch Provisioning through a hardware controller which should reduce deployment time, centralizes configuration, and helps manage inventory.
11.38	Support Short guard interval with 1600ns/800ns/400ns for 20-MHz, 40-MHz, 80-MHz and 160-MHz channels.
11.39	Support Dynamic frequency selection (DFS) optimizes the use of available RF spectrum.
11.40	Support Transmit power: Configurable in increments range of 0.5dBm - 1.0 dBm OR defined percentage/Integer value
11.41	The proposed outdoor Ap should have a built-in omnidirectional antenna.
11.42	Proposed Outdoor AP should support 100/1000/2500 BASE-T (RJ-45) Mbps LAN port.
12.0	NMS (Network Monitor System)
12.1	The proposed NMS solution should support the quantity specified in the BOQ from day one and must be incremental as quantity increases.
12.2	The proposed NMS should be on Premise, Hardware base or VM base.
12.3	The bidder should provide the required hardware and software for NMS from day one.
12.4	Support to provide a network “dashboard” on all screens, providing up-to-date network-wide information on key usage and performance metrics.
12.5	Support real-time monitoring, reporting and Wi-Fi location services.
12.6	The solution should be able to see which clients and locations are impacted by unusual network traffic issues.
12.7	Support dashboard will look through the inventory of all devices on the network and verify device, software, and client on WiFi6.
12.8	Support to monitor and detect wireless network anomalies, unauthorized access, and RF attacks.
12.9	Support to provision the device, simplifying device deployment and manageability and enhancing the user experience.
12.10	Support dashboard menu structure with simplified navigation.
12.11	The solution should be able to identify authentication and association failures.

12.12	Support simplified and enhanced search functionality.
12.13	Support to show heavily loaded AP or top network users and devices.
12.14	Support to view client OS types and application visibility or consumption.
12.15	Support statistics for both bands (2.4 GHz, 5 GHz, or both).
12.16	Support to show AP group, WLAN, and AP traffic and client trends over time.
12.17	Support to view details like health status, IP address or other operational metrics.
12.18	Support to provide Weekly and daily reports giving a summary of how their wireless network is performing with insights into network devices, clients, and applications.
12.19	Support alarm and event notification (SNMPv1 / SNMPv2 / SNMPv3).
12.20	Support to allow quick location of users and wireless devices for troubleshooting and planning.
12.21	Support history of individual users and wifi devices over the past few days.
12.22	The solution should support displaying the location of each rogue device on a building floor plan or google map and take action against it.
12.23	The solution should support role-based access.
12.24	Support to provide detailed performance statistics for WLAN equipment (statistics related to bandwidth, coverage etc.) and also provide graphical details of WLAN utilization, average data rate, WLAN traffic etc. on a per AP basis.
12.25	Support to provide a current list of clients connected to each AP, graphical details of wireless traffic & data rates on a per-client basis, and a recent history of association with APs.
12.26	The solution should support a Monitoring dashboard/Events/Packet Capture that shows the progress of a client as it completes the following four steps to gain access to the WLAN: a) Associating with the network, b) Completing authentication, c) Obtaining an IP address via DHCP, d) DNS resolution.
12.27	Support capability to keep historical data made of clients, devices and applications for 2 weeks and keep logs for 4 weeks. Support remote log services as well.
12.28	Support capabilities to integrate with SNMP, SYSLOG and Rsyslog.
12.29	Support self-learning capabilities like discovering the devices, getting on board using Plug and play and creating a topology automatically.
12.30	Support to provide a complete inventory of wireless devices along with firmware details also should support upgrade and downgrade of the firmware.
12.31	Support to provide WiFi6 readiness information about your network by client readiness, Network readiness and Airtime efficiency as well as latency information.
12.32	Support to provide details for Device CPU utilization, Device Power supply failures, IP assignment thru DHCP, Wireless User authentication and radio down issues.
12.33	Support to provide Network coverage and capacity information for wireless network Coverage hole, AP utilization, Client capacity and Radio utilization.
12.34	Support to provide Network device monitoring information for wireless devices Availability, AP availability, hardware details.
12.35	Support to provide Network device monitoring information for wireless devices Availability, Crash, AP join failure, High availability, CPU memory, Flapping AP or AP connectivity status(Up and Down), Radio utilization and status.
12.36	The solution should offer real-time network traffic detection and analysis with insights into wireless clients and authentication methodology and DHCP issues.
12.37	Support faster resolution of critical issues, the introduction of new access points with zero downtime, and flexible software upgrades.

12.38	Should support SDN/Fabric management for wireless.
12.39	Should support Inventory Management capabilities enable administrators to perform a broad range of routine tasks.
12.40	Must have the ability to deploy configuration through scripts.
12.41	Must allow IT, administrators, to easily define several pre-configured network policies, and designate select personnel to activate/deactivate these policies as appropriate
12.42	Wireless, NMS and WIPS solutions should be from the same OEM.
13.0	WIDS AND WIPS
13.1	Support network security to detect, locate, mitigate, and contain any intrusion or threat on your wireless network.
13.2	Support hardware/software to implement advanced WIDS & WIPS from day One.
13.3	Support to detect of Rogue AP and take corrective action to prevent the rogue AP.
13.4	Support to detect & prevent an Ad-Hoc connection (i.e. clients forming a network amongst themselves without an AP).
13.5	Support to detect an invalid AP broadcasting valid SSID.
13.6	Support to track the location of interferer objects.
13.7	To support spectrum intelligence and detect interference.
13.8	Support to detect and locate the rogue access point on floor maps once detected.
13.9	Support to detect DoS attacks that try to disconnect other stations using spoofed authentication frames that contain an invalid authentication algorithm number.
13.10	The WIPS solution should detect/protect if a client/tool tries to flood an AP with 802.11 management frames like authenticate/associate frames which are designed to fill up the association table of an AP.
13.11	The WIPS solution should detect and protect if somebody tries to spoof the mac address of a client or AP for unauthorized authentication.
13.12	The WIPS solution should detect/protect if a client/tool tries to de-authentication broadcast attempts to disconnect all clients in range.
13.13	The proposed WIFI solution must have all the above feature licensing from day one and must be Enterprise-grade.
13.14	Support to detect and protect against AP MAC Spoofing based attacks.
13.15	Support to detect DOS-based attacks like Deauthentication floods, Association/ Disassociation floods, CTS/ RTS floods, Authentication floods, Broadcast Probe floods etc.
13.16	Support to detect if a user tries to impersonate a management frame.
13.17	Support compliance and audit reporting.
13.18	Support visualization with location intelligence on map.
13.19	Support global alarm consolidation for ease of use.
13.20	Support complete threat library with location intelligence and historical rogue reporting.
13.21	Support functionality on centralized traffic forwarding mode from AP.
13.22	Support rogue/WIPS workflows to users for easy profile creation and assignment.
13.23	Support to detect and protect an Ad-hoc connection when a connected user forms a network with other systems without an AP.
13.24	WIPS solution licenses should be proposed from day one, across all AP.

5.0 SERVICE LEVEL AGREEMENT AND WARRANTY:

All the following conditions must be agreed upon.

1. Proposed Products (software, firmware, and hardware) should have a comprehensive OEM onsite warranty pack for 7 years (5 years' warranty and 2 AMC) for the entire shipment starting from the date of installation.
2. IIT Bombay as well as the selected bidder should be able to log a call with the OEM as per the support contract offered.
3. The service agreement contract copy should be submitted to IIT Bombay within the 3 months after the award of the contract.
4. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary.
5. During the warranty period, the OEM/bidder will have to undertake comprehensive maintenance of the entire hardware components, equipment, and software support supplied by the vendor at the place of installation of the equipment (every six months).
6. A letter of commitment for five years from the date of installation, concerning Hardware Software, and Firmware support from OEM should be enclosed in the bid cover. Offers will be rejected if they are not accompanied by a letter from the OEM.
7. Technical support should be provided for system administration/maintenance of the WLAN solution during the entire warranty period.
8. OEM/Bidder should protect any data during any upgrades of hardware/firmware/OS.
9. The OEM/Bidder must submit the name of the service engineers employed by them who are competent to serve the WLAN installation, along with their contact details in India, working knowledge of basic WLAN setup (viz. Wi-Fi Controller and APs installation, Configuration, License Migration, Policy Management, etc.) to IIT Bombay CC Network Team
10. This comprehensive onsite warranty includes but is not limited to software releases, up-gradation and bug fixes.
11. The prospective bidder should provide hands-on training to the CC Network Team. It may be on-premises or in OEM/Bidder location, without charge.
12. The OEM must have local Technical Assistance Centre (TAC) support in India through a toll-free number and Returned Materials Authorization (RMA) depot in India. Where customers can directly log a complaint against any failure.
13. Delivery and Installation Schedule.
 - a) The time duration for the complete roll-out of the proposed solution is up to 46 weeks from the date of the formal purchase order
 - b) For the Site Not Ready (SNR) case, the bidder is required to submit a certificate signed by the IITB WLAN Network Project Coordinator. However, regarding the readiness of the site, the decision of the Project Coordinator will be final. No penalty will be imposed for Site Not Ready (SNR) cases.
14. Documentation to be provided (After installation)
 - a. RF survey for proposed locations of the IIT Bombay campus.
 - b. Step-by-step installation guide and configuration of WLAN solution from start.
 - c. Wireless Controller Configuration and integration with IIT Bombay Services.
 - d. Basic troubleshooting for wireless users and access points

- e. Basic troubleshooting for wireless controllers
- f. Health status check of wireless controllers and access points.
- g. Any other document/manual useful for daily administration.

Annexure I: BILL OF MATERIAL:

Sr. No	Item	Capable of Handling AP	Quantity
1	Wireless Controller	Redundant Hardware Base Wireless Controllers with 802.11ax (WiFi-6) radios in 2.4 GHz and 5 GHz bands with high data rates and backward compatibility with 802.11 a/b/g/n/ac radios capable of supporting at least 5000 access points even in a situation in which 50% of the controller has failed or N+1 High Availability Deployment Modes. Each with minimum 2x10Gbps and uplink with minimum 2x40Gbps ports.	1
2	Wireless Access Point Indoor	Access points 4x4:4 MU-MIMO in Both 2.4Ghz and 5Ghz with Access Point mounting kit with safety protection mechanism set from theft (Should be provided from day one). With a minimum 1x1/2.5Gbps RJ-45 port.	1600
3	Wireless Access Point Outdoor	Access points 4x4:4 or 2x2:2 MU-MIMO in 2.4Ghz and 4x4:4 MU-MIMO in 5Ghz with Access Point mounting kit with safety protection mechanism set from theft and should provide power injector. With a minimum 1x1/2.5Gbps RJ-45 port.	10
4	Wireless Controllers SFP and SFP+	Wireless Controllers Transceivers (per controller) SFP LR 10G	2
		Wireless Controllers Transceivers(per controller) QSFP LR 40G	2
5	NMS	NMS hardware or VM and software along with the license with proposed AP Qty.	1
6	WIPS/ WIDS	Support hardware/software to implement advanced WIDS & WIPS from day One	1
7	Console Cables	Indoor and Outdoor AP connectivity console cables (Indoor 13, and Outdoor 2)	15
8	AMC	Comprehensive AMC for 2 years. (Four hours' response time with 99% uptime commitment. This should be available on a 24x7 basis.) AMC percentage should not exceed 10% of goods value.	2 years

Annexure-II:

Selection of the winning bidder

- Commercial bids of the technically qualified bidders will be opened and L1 price among the technically qualified bidders will be taken as base price for reverse auction.
- The usual reverse auction with a specified stopping rule and a minimum decrement.
- The winning bid will be the one with the lowest bid.
- The lowest bidder can also submit a final closed bid that is lower than its stopping bid or no change in his bidding price.

Annexure-III :

Performance Statement proforma (for a period of last three years)

Name of the firm

Order Placed by (full name and address of the purchaser)	Order number and date	Description and quality of the ordered equipment	Value of order	Date of completi on of delivery as per contract	Date of actual comple tion of delivery	Reason of late delivery if any	Has the equipment been installed properly? (submit a certificate from the purchaser)	Contact person along with contact details

Annexure IV:

Certificate Of Completed Work From Past Customers

(Furnish this information for each work from the CUSTOMERS referred in the few previous Form for whom the work was executed)

1. Name of work / Project and Location
2. Agreement/Purchase Order Number
3. Estimated Cost
4. Tendered Cost
5. Date of Start
6. Date of Completion
 - a. Stipulated date of completion
 - b. The actual date of completion
7. Amount of compensation levied for delayed completion if any.
8. Performance report:

a. Quality of Work: Excellent/ Very good/ Good/ Fair

b. Resourcefulness: Excellent/ Very good/ Good/ Fair

c. Responsiveness: Excellent/ Very good/ Good/ Fair

d. Accessibility to management when needed: Excellent/ Very good/ Good/ Fair

9. Name of Institute/ Chief Project Manager or Equivalent

10. Contact Details

11. Would you award work again to this supplier Yes/ No

Date:

Place:

Signature (with Seal)



सामग्री प्रबंधन प्रभाग
भारतीय प्रौद्योगिकी संस्थान मुंबई
पवई, मुंबई-400 076, भारत

Materials Management Division
Indian Institute of Technology Bombay
Powai, Mumbai-400 076, India

दूरभाष/Phone : (+91-22) 2576 8800 / 8801 to 6,
5009, 8808, 8848

ई-मेल /E-mail : drmm@iitb.ac.in

वेबसाइट/Website : www.iitb.ac.in



Date: 20.10.2022

Corrigendum – II

For (PR No. 1000022068) RFx No. 6100001167 – Campus Wide Wireless LAN System

Sr.No.	Online RFx Clause	Previous Clause	Changed Clause
1	Bid Submission End Date/Date & Time of Submission (Online RFx Clause)	20.10.2022 at 13:00	09.11.2022 at 13:00
2	Bid Opening Date & Time (Online RFx Clause)	20.10.2022 at 15:00	09.11.2022 at 15:00


Assistant Registrar

Materials Management Division



सामग्री प्रबंधन प्रभाग
भारतीय प्रौद्योगिकी संस्थान मुंबई
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वेबसाईट/Website : www.iitb.ac.in



13/10/2022

Corrigendum – I

Campus Wide Wireless LAN System

RFx No. 6100001167 (Reference No. 1000022068)

The technical specifications and delivery period have been revised and the revised document is uploaded on SRM portal and IITB website.

 13/10/22
Assistant Registrar (MM)

Format 1

UNDERTAKING FOR BID SECURITY

(To be issued by the bidder on company's letter in lieu of EMD)

To,
The Registrar
IIT Bombay
Mumbai - 400076

We, M/s(name of the firm) , with ref. to RFX
No.dtd. hereby undertake that :

- 1) We accept all the terms and conditions of the tender document.
- 2) We accept that, we will not modify our bid during the bid validity period, submit performance guarantee within the stipulated period and honour the contract after award of contract.
- 3) In the event of any modification to our bid by us or failure on our part to honour the contract after final award or failure to submit performance guarantee, our firm may be debarred from participation in any tender/contract notified by Indian Institute of Technology, Bombay for a period of one year.

Yours faithfully,
(Signature with date and seal)

Format 2

FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MUMBAI OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MUMBAI OR ANY SCHEDULED BANK SITUATED AT MUMBAI. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

LETTER OF GUARANTEE

To,
Registrar,
Indian Institute of Technology Bombay
Powai, Mumbai – 400 076.

WHEREAS Indian Institute of Technology, Bombay (Buyer) have invited Tenders vide Tender No/ Purchase Order Dt. for purchase of
AND WHEREAS the said tender document requires that any eligible successful tenderer (seller) wishing to supply the equipment / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of **“The Registrar, Indian Institute of Technology Bombay”** in the form of Bank Guarantee for Rs (3% (three percent) of the purchase value) and valid till one year or upto warranty period whichever is later from the date of issue of Performance Guarantee Bond may be submitted along with the Order Acknowledgment as a successful bidder.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to Indian Institute of Technology Bombay on demand and without protest or demur Rs (Rupees).

This Bank further agrees that the decision of Indian Institute of Technology Bombay (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding.

We, (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ or Indian Institute of Technology, Bombay (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs.
(Indian Rupees only).
2. This Bank Guarantee shall be valid up to(date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if IIT Bombay serve upon us a written claim or demand on or before.....
(date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at (Address of local branch).

Yours truly,

Signature and seal of the guarantor:
Name of Bank:
Address:
Date:

Format 3

Previous Supply Order Details

Name of the Firm _____

Order placed by (Full address of Purchaser)	Order No. and Date	Description and quantity of ordered equipment	Value of Order	Date of completion of delivery as per contract	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us	Has the Equipment being installed satisfactorily (Attach a Certificate from the Purchaser/ Consigner)	Contact Person along with Telephone No., Fax No. and e-mail address.

Signature and Seal of the Manufacturer / Bidder _____

Place : _____

Date : _____

(to be printed on Supplier's letterhead)
INTEGRITY PACT
General

General This pre-bid pre-contract Agreement hereinafter called the Integrity Pact is made on day of the month of , between, on one hand, the President of India acting through Deputy Registrar, Materials Management Division of Indian Institute of Technology, Bombay hereinafter called the

“BUYER” of the First Part and M/s..... represented by Shri....., Director /Chief Executive Officer/ General Manager hereinafter called the “BIDDER/Seller” of the Second Part.

WHEREAS the BUYER proposes to procure..... (Name of the Stores/Equipment/Item) and the BIDDER/Seller is willing to offer/has offered the stores and WHEREAS the BIDDER is a private company/public company/Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is an Autonomous Body/Department of the Government of India performing its functions on behalf of the President of India.

NOW, THEREFORE, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to :-Enabling the BUYER to obtain the desired said stores / equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures. The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the BUYER

1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favor or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.

1.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.

1.3 All the officials of the Buyer will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official (s) is reported by the BIDDER to the BUYER, with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

3. Commitments of BIDDERS:

3. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, consideration, gift, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.

3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the Government for showing or for bearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government.

3.3 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

3.4 BIDDERS shall disclose the payments to be made by them to agents / brokers or any other intermediary, in connection with this bid/contract.

3.5 The BIDDER further confirms and declares to the BUYER that the BIDDER is the original manufacturer/ integrator/ authorized government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER, or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic

data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender. The term relative for this purpose would be as defined in Section 6 of the Companies Act 1956.

3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

4. Previous Transgression

4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India, that could justify BIDDER's exclusion from the tender process.

4.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. SECURITY DEPOSIT /PERFORMANCE GUARANTEE :

5.1 Performance Guarantee Bond is mandatory.

5.2 Successful tenderer/ bidder should submit performance guarantee as prescribed above to be sent to **Deputy Registrar, Materials management Division, IIT Bombay** along with order acknowledgement. The PBG to be furnished in the form of bank guarantee as per proforma or annexure of the tender documents, for an amount covering **3 % of the purchase order value**.

5.3 The Performance Guarantee should be established in favour of **“The Registrar, IIT Bombay”**.

5.4 PBG to be established through any of the National Banks (whether situated at Mumbai or outstation) with a clause to enforce the same on their local branch of Mumbai or any scheduled bank (other than national bank) situated at Mumbai. Bonds issued by cooperative banks will not be accepted.

5.5 Performance Guarantee Bond shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful tenderer and the purchaser under the terms & conditions of acceptance to the tender.

5.6 The successful tenderer is entirely responsible for due performance of the contract in letter and spirit and all other documents referred to in the acceptance of tenders.

5.7 The PBG shall be kept valid during the period of contract and shall continue to be enforceable for a period of **Two years or up to warranty period** whichever is later from the date of order acknowledgement. In case PBG needs extensions up to extension period then supplier shall initiate extensions to PBG one month prior to expiry of PBG.

5.8 For successful suppliers, if PBG is not submitted along with Order Acknowledgement, then the Purchase Order will be cancelled.

5.9 No interest shall be payable by the buyer to the Bidder on PBG.

6. Sanctions for Violations

6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all

or any one of the following actions, wherever required:-

- i. To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- ii. The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
- iii. To immediately cancel the contract, if already signed without giving any compensation to the BIDDER.
- iv. To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- v. To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
- vi. To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- vii. To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of two years, which may be further extended at the discretion of the BUYER.
- viii. To recover all sums paid in violation of this pact by the BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- ix. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- x. Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The BUYER will be entitled to take all or any of the actions mentioned at para 7.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

7.1 The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry / Department of the Government of India or PSU and if it is found at any stage that similar product/system or sub-system was supplied by the BIDDER to any other Ministry/Department of the Government of India or PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

8. Independent monitors

8.1 The BUYER has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Chief Vigilance Officer, Indian Institute of Technology Bombay).

8.2 The task of the Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

8.3 The Monitor shall not be subject to instructions by the representatives of the parties and performs their functions neutrally and independently.

8.4 Both the parties accept that the Monitor have the right to access all the documents relating to the project/procurement, including minutes of the meetings.

8.5 As soon as the Monitor notices, or believes to notice, a violation of this Pact, he will so inform the Authority designated by the BUYER.

8.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.

8.7 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

8.8 The Monitor will submit a written report to the designated Authority of BUYER/ Secretary in the Department/within 8 to 10 weeks from the date of reference or intimation to him by the BUYER / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information & documents in English and shall extend all possible help for the purpose of such examination.

10. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and Jurisdiction is the Seat of the BUYER.

11. Other Legal Actions

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

12. Validity

12.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/ Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

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

The Parties hereby sign this Integrity Pact.

BUYER

BIDDER

Deputy Registrar (MMD), IIT Bombay

Signature with seal

Date & Place:

Date & Place:

Witness

Witness

1. _____

1. _____

(Indenter)

2. _____

2. _____