REQUEST FOR PROPOSAL

Army Institute of Management,
Kolkata
(NAAC Accredited & ISO 9001:2015 Certified)
Army Institute of Management
Plot III B/11, Action Area III
New Town, Kolkata 700160
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0037/3/Gen/AIM 03 Aug 2020

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PROJECT : 16/2020-21AIMK :

REQUEST FOR PROPOSAL FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SERVER ROOM EQUIPMENT FOR WIFI NETWORK SYSTEM AND CCTV SURVEILLANCE SYSTEM AT SERVER ROOM IN ACADEMIC BLOCK OF AIM NEW CAMPUS AT RAJARHAT

1. Quotation is invited under two bid system for supply, installation, testing and commissioning of server room equipment for wifi network system and cctv surveillance system at server room in academic block of Army Institute of Management, new campus at Rajarhatas per specifications / details attached. Interested vendors are requested to submit their bids through email and also physically. Physical copy of both technical and commercial bids shall be placed in two separate sealed covers. Both these covers should be placed in a larger envelope. "**Project : 16 / 2020-21 AIMK - QUOTATION FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SERVER ROOM EQUIPMENT FOR WIFI NETWORK SYSTEM AND CCTV SURVEILLANCE SYSTEM AT SERVER ROOM IN ACADEMIC BLOCK OF AIM NEW CAMPUS AT RAJARHAT"**should be clearly written on top of the envelope. The details of your Point of Contact (Mob number) be entered on the bottom left corner of the envelope.

2. Initially, only soft copy of technical bids as per the format provided at Appendix A and other documents of RFP, be forwarded as a password protected pdf file on line, to email at **registrar@aim.ac.in**. Confidentiality mode provided in google email service to be used to ensure confidentiality of data. The file name and password of the pdf file, as additional measure of confidentiality, be SMS **on Mobile No 9163647070 to Independent Observer and on Mobile No 9536173033** to the **Presiding Officer by 1055** hr on **17 Aug 2020.**. **The online bids shall be opened at 1100h on 17 Aug 2020.**

3. Vendors who are technically compliant will be informed and such vendors shall ensure that soft copy of their commercial bid be forwarded as a password protected pdf file on line, to email at **registrar@aim.ac.in**. in confidentiality mode; and sealed, ink signed hard copy of complete bid documents along with EMD/Bid security (if applicable) equivalent to 2% of the bid amount in a sealed cover as per the procedure mentioned in para 1 above are dropped in Tender box kept near Registrar office at AIMK, at Rajarhat Campus within 48 hours of intimation. **Commercial bids of only those vendors will be opened who are found technically compliant and whose hard copies of complete bid documents are received.**

4. No change is permitted in the hard copy of the bid documents from the bid documents submitted online through email. In case of any variation found in hard copy of bid documents, the bid will be rejected and EMD shall be confiscated. The buyer reserves the right to both disqualify the affected bid and award the contract to the next lowest (resultant L1) bidder, or, cancel the complete tender in such a situation.

5. The responsibility to ensure that the sealed cover which consists of EMD and other bid documents are placed in tender box within 48h of intimation of technically compliant bidders lies with the technically compliant bidder. It is mandatory to submit physical bids along with online bids before the contract can be awarded to lowest bidder.

6. **Tender Fees**. – Nil.

7. This RFP is divided into five Parts as follows:

(a) **Part I**. Contains General Information and Instructions for the Bidders about the RFP such as the time, place of submission and opening of tenders, validity period of tenders, etc.

(b) **Part II**. Contains essential details of the items required, such as the Schedule of Requirements (SOR), Technical Specifications, Delivery Period, Mode of Delivery and Consignee details.

(c) **Part III**. Contains Standard Conditions of RFP, which will form part of the Contract with the successful Bidder.

(d) **Part IV**. Contain Special Conditions applicable to this RFP and which will also form part of the contract with the successful Bidder.

(e) **Part V**. Contains Evaluation Criteria and Format for Price Bids.

8. **Placement of Order**. The purchase order will be place on successful conclusion of negotiations (if required) with L1 firm.

9. **Appendices of RFP (Summary)**.

Ser No	Appendices	Details of Heading	Para
(a)	A	Format of Technical Bid	3(a) Pt- I
(b)	B	Format of Commercial Bid	3(b) Pt- I
(c)	C	Tender Condition Acceptance Letter	9(e) Appendix A
(f)	D	EMD Bank Guarantee Format	5 of Pt II
(h)	E	Performance Bank Guarantee Format	1 of Pt –IV
(j)	F	Advance Bank Guarantee Format	3 Pt –IV
(g)	G	Schematic diagram of overall desired network	1(a) Pt II

8. This RFP is being issued with no financial commitment and the Buyer reserves the right to change or vary and part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary at any stage.

Yours faithfully,

xxxxxx
Sub KK Das (Retd),
Estate Supervisor,
For Director
Army Institute of Management, Kolkata

PART I – GENERAL INFORMATION

1. **Process of Procurement**. Quotation is invited under two bid system, for supply, installation, testing and commissioning of server room equipment for wifi network system and cctv surveillance system at server room in academic block of Army Institute of Management, new campus at Rajarhatas of Army Institute of Management, new campus at Rajarhat as per specifications / details attached.

2. Bids shall be submitted both, online through email using confidentiality mode duly password protected pdf file; and as a Hard copy as per the following format :-

(a) Technical Bid **(Format at Appendix A).**
(b) Commercial Bid **(Format at Appendix B).**
(c) EMD Bank Guarantee (**Format at Appendix D).**

Note. No conditional bids will be accepted.

3. Last date of online submission of Technical Bids bids is **10: 55 h on 17 Aug 2020**

4. **Manner of Depositing the Bids**. Interested vendors are requested to submit their technical bids through email and also physically. Initially, soft copy of only technical bids as per the format provided at Appendix A and other documents of RFP, be forwarded as a password protected pdf file on line, to email at **registrar@aim.ac.in**. Confidentiality mode provided in google email service to be used to ensure confidentiality of data. The file name and password of the pdf file, as additional measure of confidentiality, be SMS **on Mobile No 9163647070 to Independent Observer and on Mobile No 9536173033** to the **Presiding Officer by 1055** hr on **17 Aug 2020.**. **The online technical bids shall be opened at 1100h on 17 Aug 2020.**

5. Physical copy of bid documents shall be placed in two separate sealed covers. Both these covers should be placed in a larger envelope. "**Project : 16 / 2020-21 AIMK - QUOTATION FORSUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SERVER ROOM EQUIPMENT FOR WIFI NETWORK SYSTEM AND CCTV SURVEILLANCE SYSTEM AT SERVER ROOM IN ACADEMIC BLOCK OF AIM NEW CAMPUS AT RAJARHAT"** should be clearly written on top of the envelope.

6. Vendors who are technically compliant will be informed and such vendors shall ensure that soft copy of their commercial bid as per Appendix B be forwarded as a password protected pdf file on line, to email at **registrar@aim.ac.in**. in confidentiality mode; **and** sealed, ink signed hard copy of complete bid documents along with EMD/Bid security (if applicable) equivalent to 2% of the bid amount in a sealed cover as per the procedure mentioned in para 4 above are dropped in Tender box kept near Registrar office at AIMK, at Rajarhat Campus within 48 hours of intimation. **Commercial bids of only those vendors will be opened who are found technically compliant and whose hard copies of complete bid documents are received.**

7. No change is permitted in the hard copy of the bid documents from the bid documents submitted online through email. In case of any variation found in hard copy of bid documents, the bid will be rejected and EMD shall be confiscated. The buyer reserves

the right to both disqualify the affected bid and award the contract to the next lowest (resultant L1) bidder, or, cancel the complete tender in such a situation.

8. The responsibility to ensure that the sealed cover which consists of EMD and other bid documents are placed in tender box within 48h of intimation of technically compliant bidders lies with the technically compliant bidder. It is mandatory to submit physical bids along with online bids before the contract can be awarded to lowest bidder.

9. **Location of the Tender Boxes**. Tender Box marked **"TENDER BOX"** is kept near the Office of Registrar at AIM Kolkata, Rajarhat campus.

10. **Time & Date for Opening of Bids**. Technical Bids will be opened at **1100h on 17 Aug 2020**. If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by Registrar, Army Institute of Management, Kolkata.

11. **Place of Opening of the Bids**. Bids would be opened in the Conference Room of Army Institute of Management, New Town, Action area III, Rajarhat, Kolkata. The bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time. Important commercial / technical clauses of the RFP will be read out in the presence of the representatives of the bidders if required. The bid opening will not be postponed even if no representative of any firm is present during opening of bids. Cutting/alteration in Bids will not be accepted and Director, Army Institute of Management, Kolkata has absolute right to reject the bid without assigning reasons whatsoever it may be.

12. **Opening of Bids (Technical and Commercial)**

(a) First, the evaluation of technical Bid will be carried out. The following conditions will be applied :-

(i) The online receipt of documents mentioned in Appendix A shall be mandatory prior to bid opening on or before **1055h on 17 Aug 2020.**

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(ii) No post-bid clarification on the initiative of the bidder will be entertained.

(b) The Commercial Bids as per Appendix B of only those Bidders whose Technical bids meet all the stipulated Technical requirements, shall be considered.

13. **Modification and Withdrawal of Bids**. A bidder may modify or withdraw his bid after submission, provided that the written notice of modification or withdrawal is received by Army Institute of Management, Kolkata prior to deadline. No bid shall be modified after the opening of technical bids, with respect of bid prices. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Withdrawal of a bid during the period will result in Bidder's forfeiture of bid security.

14. **Clarification Regarding Contents of the Bids during Evaluation**. During evaluation and comparison of bids, Director, Army Institute of Management, Kolkata may, at his discretion, may ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

15. **Rejection of Bids**. Canvassing by the Bidder in any form, unsolicited letter and post tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.

16. **Validity of Bids**. The Bids should remain valid till 90 **days** for acceptance of the Competent Authority of AIM, Kolkata from the last date of submission of the Bids and no request for any variation in quoted rates and withdrawal of tender on any ground by successful bidder (s) shall entertained.

17. **Earnest Money Deposit/Bid Security**. Bidders are also required to submit Earnest Money Deposit (EMD)/Bid security for an amount equivalent to 2% of bid amount. The EMD be remitted either in the form of Account payee Demand Draft or Bankers Cheque, Bank Guarantee, or FDR from any of the public sector bank or a private sector bank authorized to conduct government business as per clause 4.7.4 of DPM-2009. In case the EMD is remitted in form of Account payee Demand Draft or Bankers Cheque, Bank Guarantee, it shall be payable at the **STATE BANK OF INDIA, Alipore Branch, Kolkata, IFSC : SBIN0000004, Account No : 35136783894.** . EMD is to remain valid for a period of 45 days beyond the final bid validity period. EMD of the unsuccessful bidder (s) will be returned to them at the earliest after expiry of the final bid validity and latest on or before 30th day after the award of the contract. The EMD of the successful bidder (s) would be returned, without any interest whatsoever, after the receipt of Performance Security from him as called for in the supply order/work order/contract. EMD is not required to be submitted by those Bidders who are registered with the Central Purchase Organization (e.g. DGS&D), National Small Industries Corporation (NSIC) or any Department of MoD or MoD itself. This exemption is also applicable to StartUp registered with Department for Promotion of Industry and Internal Trade (DPIIT). In case exemption from EMD is applicable, proof of exemption certificate shall be enclosed**.**The EMD will be forfeited if any of the bidders withdraws or amends impairs or derogates from the tender in any respect within the validity period of their tender. Format attached **Appendix 'D'** of this RFP.

18. The EMD is liable for forfeit in the following events:-

(a) Withdrawal of offer during the validity period of the offer.

(b) Non acceptance of orders when placed by Competent Authority.

(c) Non adherence to the orders within the stipulated time after acceptance of orders.

(d) Any unilateral revision made by the bidder during the validity period of the offer.

(e) In case the physical hard copy of the bid is not submitted or amended by the L1 bidder and is not matching with the bid documents submitted online.

PART II – ESSENTIAL DETAILS OF ITEMS/SERVICES REQUIRED

1. Technical details.

(a) **Schematic diagram of desired network for the complete campus** is enclosed at Appx G. This RFP is only for Server Room at Administrative Block

(b) Nomenclature and Quantity of Hardware requirement

Server Room Required Devices	
Device Name	**Qty**
1/10G, L3, 24 port (12 Copper + 12 Fiber) Stackable L3 fully Managed switch	2
10G Single Mode SFP+ Module	6
1G Single mode SFP Module	2
Wireless Controller support upto 200AP on one device and can be stacked in 3+1 to support upto 600AP (One for redundancy)	1
AP Licenses Can Manage 10 AP	12
HW Appliance with 6 GE ports, 2 SFP ports, 1 expansion bay for optional FleXi Port module, SSD + Base License	1
Subscription Pack for 36 Months Includes: Network Protection, Web Protection, Email Protection, Webserver Protection and Enhanced Support.	1
SM 12 Port LIU loaded with LC type coupler & Connector	6
SM LC Type pigtail	48
SM LC-LC FO Patch Cord	16
42U Server Rack with accessories	1

(c) Specifications of Switches & Wi-Fi Controller. (Bidders are required to fill up the required details and furnish clause by clause compliance of specifications bringing out clearly the deviations from specifications, if any.)

1. Core Switch 24-port 1/10G Base-X/T Layer-3 Stackable Managed Switch, Qty: 2

Sl No	Parameter	Technical Specification	Compliance Yes/No
	Make:		
	Model:		
1	**Physical Interfaces**	12 # 1/10G Base-X Fiber SFP+ Ports	
		12 # 1/10G Base-T Copper Ports	
		Ethernet: Out-of-band 1G port (Front)	
		Console: RJ45 RS232 (Front)	
		Console: Mini-USB (Front)	
		Storage: USB (Front)	
		Half-width 1-unit 1U rack mount	
2	**CPU/ Memory**	CPU: 800 MHz	
		RAM: 1 GB	
		Packet buffer memory: 32 MB	
		Flash: 256 MB	
3	**Performance**	Stack height: 8 switches	
		Switching fabric: 480 Gbps Line-Rate (non blocking fabric)	
		Throughput: 357 Mpps	
		Forwarding mode: Store-and-forward	
		Address database size: 16,000 MAC addresses (48-bit MAC address)	
		Number of VLANs: 4,093 (IEEE 802.1Q) simultaneously	
		Number of multicast groups= 2K IPv4	
		Number of multicast groups= 2K IPv6	
		ARP/NDP= 2K	
		Number of LAGs (802.3ad): 128 LAGs with up to 8 ports per group	
		Number of hardware queues for QoS: 8 (Standalone)	
		Number of routes: 512 IPv4 Unicast routes	
		Number of routes: 256 IPv6 Unicast routes	
		Jumbo frame support: up to 9K packet size	
		Mean time between failures (MTBF): 192,898 hours (~22 years)	
		sFlow=416 samplers, 416 pollers, 8 receivers	
4	**L2 Services**	Protocol based VLAN	
		IP Subnet	

		IPX	
		ARP	
		Subnet based VLAN	
		MAC based VLAN	
		Voice VLAN	
		Private Edge VLAN	
		Private VLAN	
		Guest VLAN	
		Double VLAN Tagging (QoQ)	
		GARP with GVRP/GMRP	
		MVR (Multicast VLAN Registration)	
		Multiple Registration Protocol (MRP)	
		Multicast VLAN Registration Protocol (MVRP)	
		LAG Hashing	
		LAG Member Port Flaps Tracking	
		UDLD support	
		Distributed Link Aggregation	
		Storm Control	
		Link Dependency	
		Spanning Tree Protocol	
		Per VLAN STP (PVSTP) with FastUplink and FastBackbone	
		Per VLAN Rapid STP (PVRSTP)	
		STP Loop Guard	
		STP Root Guard	
		BPDU Guard	
		STP BPDU Filtering	
		STP BPDU Flooding	
		IGMP v2/v3 Snooping support	
		MLD v1/v2 Snooping support	
		Expedited Leave Function	
		Static L2 Multicast Filtering	
		MLDv1/2 Snooping Support	
		IGMPv2/3 Snooping Support	
5	**L3 Services**	IGMP Proxy	
		MLD Proxy	
		Any Source Multicast (ASM)	
		Source Specific Multicast (SSM)	
		Multicast streams routing between subnets, VLANs	
		Multicast Static Routes (IPv4, IPv6)	
		DVMRP	
		Neighbor discovery (IPv4, IPv6)	
		PIM-DM (IPv4, IPv6)	
		PIM-SM (IPv4, IPv6)	
		PIM multi-hop RP support	
		IPMC replication (hardware support)	

		DHCP Client (IPv4, IPv6)	
		DHCP Server (IPv4, IPv6)	
		DHCP Snooping (IPv4, IPv6)	
		DHCP/ BootP Relay (IPv4, IPv6)	
		DHCP options 66, 67, 150, and 55, 125	
		Static Routing (IPv4, IPv6)	
		Port based Routing	
		ECMP Static Routing	
		Port Based Routing	
		VLAN Routing	
		RIP v1 and v2	
		OSPF v2 and v3	
		OSPF Flood Blocking	
		Route Redistribution	
		VRRP	
		VRRP Route/Interface Tracking	
		Loopback Interfaces	
		Tunnel interfaces	
		Router Discovery	
		IP Helper	
		IP Source Guard	
		IP Event Dampening	
		ECMP	
		Proxy ARP	
		Multinetting	
		ICMP v4 and v6	
		IPv4/IPv6	
		DNS v4 and v6	
		IPv6 Routing	
		Configured v6-over-v4 tunnels	
		Automatic (6to4) tunnels	
6	**QoS**	IEEE 802.1p CoS	
		DiffServ QoS	
		WRED (Weighted Deficit Round Robin)	
		Single Rate Policing	
		Strict Priority queue technology	
		Auto-VoIP	
		iSCSI Flow Acceleration	
		IP DSCP	
		IP Precedence	
		IP TOS	
		L3 IPv6 Flow Label	
		Interface Traffic Shaping	
		PHB Support	
		Minimum Bandwidth per-interface	

7	**Security**	Broadcast, Multicast and Unicast Network Storm Protection	
		CPU Protection	
		DoS attack protection	
		ICMP throttling	
		Management ACL	
		Radius accounting	
		TACACS+	
		L2/L3/L4 Access Control List (ACL)	
		MAC, IPv4, IPv6, TCP, UDP ACL	
		Protocol based ACL	
		ACL over VLAN	
		Dynamic ACL	
		IEEE 802.1x Radius Port Access Authentication	
		802.1x MAC Address Authentication Bypass (MAB)	
		Port Security	
		Dynamic ARP Inspection	
		MAC Filtering	
		Port MAC Locking	
8	**IEEE Network Protocols**	IEEE 802.3 10Base-T	
		IEEE 802.3 Ethernet	
		IEEE 802.3i 10BASE-T	
		IEEE 802.3u 100BASE-T	
		IEEE 802.3ab 1000BASE-T	
		IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX	
		IEEE 802.3ae 10-Gigabit Ethernet	
		IEEE 802.3ad Trunking (LACP)	
		IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED)	
		IEEE 802.1D Spanning Tree (STP)	
		IEEE 802.1s Multiple Spanning Tree (MSTP)	
		IEEE 802.1w Rapid Spanning Tree (RSTP)	
		IEEE 802.1p Quality of Service	
		IEEE 802.1Q VLAN tagging	
		IEEE 802.1v protocol-based VLAN	
		IEEE 802.1X Radius Network Access Control	
		IEEE 802.3x flow control	
		GMRP — Dynamic L2 multicast registration	
		GVRP — Dynamic VLAN registration	
		GARP -Generic Attribute Registration Protocol	
9	**Management**	ISDP (Industry Standard Discovery Protocol)	
		Out of band Management	
		802.1ab LLDP and LLDP-MED	
		SNMP v1, v2 and v3	
		RMON 1, 2, 3, 9	

		sFlow	
		Command Line Interface (CLI)	
		Web-based graphical user interface (GUI)	
		Admin access control via Radius and TACACS+	
		Telnet	
		IPv6 Management	
		Dual Software (Firmware) images	
		Dual Configuartion file (Text-based)	
		Radius accounting	
		Malicious Code Detection	
		SNTP	
		XMODEM	
		Port Mirroring	
		Cable Test Utility	
		SSH v1/v2	
		SSL/HTTPS and TLS v1.0 for web-based access	
		File Transfer (uploads, downloads) through TFTP/HTTP	
		SCP/ SFTP/ HTTPS	
		Syslog	
		Non disruptive Config Management	
		Remote Port Mirroring (RSPAN)	
		OpenFlow 1.3	
		Persistent log supported	
10	**Network Traffic**	Access Control Lists (ACLs) L2 / L3 / L4	
		Time-based ACLs	
		ACL over VLANs	
		IPv6 RA Guard Stateless Mode	
		Network Authentication Successive Tiering	
		802.1x MAC Address Authentication Bypass (MAB)	
11	**LEDs**	Per port: Speed, link, activity	
		Power, Fan, Stack Master, Stack ID	
12	**Environmental**	Operating Temperature: 32° to 122°F (0° to 50°C)	
		Operating Humidity: 90% maximum relative humidity, non-condensing	
		Storage Temperature: – 4° to 158°F (–20° to 70°C)	
		Storage Humidity: 95% maximum relative humidity, non-condensing	
13	**Certifications**	CE mark, commercial	
		FCC Part 15 Class A, VCCI Class A	
		Class A EN 55022 (CISPR 22) Class A	
		Class A C-Tick	
		EN 50082-1	
		EN 55024	
		CSA certified (CSA 22.2 #950)	
		UL listed (UL 1950)/cUL IEC 950/EN 60950	

14	**Warranty and Support**	True Lifetime Hardware replacement warranty	
		Lifetime free latest firmware support	
		Replacement with New Product Only No refurbished Products.	

2. 10G FO Module, Qty : 6

Sl No	Parameter	Technical Specification	Compliance Yes/No
	Make:		
	Model:		
1	**SFP+ Module**	10000Base-LX Fiber SFP+	
		LC duplex connector for 9um/125um single mode cable	
		1310 nm Wavelength	
		2m - 10km for 9/125 um SMF	
		Single Mode Fiber	
		ROHS Compliant	
		Compliant with SFP+ Transceiver MSA specification	
		Compliant with Specifications for IEEE 802.3z/Gigabit Ethernet	
		Compliant with Industry Standard RFT Electrical Connector and Cage	
		Operating Temperature 32 -158º F (0 - 70ºC)	
		MTBF 4,986,536 hr (569 years)	
		Power Consumption <1.5w	
		UL 1950 CSA 22.2 No. 950	
2	**Warranty and Support**	5 Years Hardware replacement warranty	
		Replacement with New Product Only No refurbished Products.	

3. 1G FO Module, Qty: 2

S.No.	Parameter	Technical Specifications	Compliance Yes/No
	Make:		
	Model:		
1	**SFP Module**	1000Base-LX Fiber SFP	
		LC duplex connector	
		1310 nm, for distances up to 10 km	
		Single Mode Fiber	
		ROHS Compliant	
		Compliant with SFP Transceiver MSA specification	
		Compliant with Specifications for IEEE 802.3z/Gigabit Ethernet	

		Compliant with Industry Standard RFT Electrical Connector and Cage	
		Single + 3.3V Power Supply and TTL Logic Interface	
		EEPROM with Serial ID Functionality	
		Laser Class 1 Product which comply with the requirements of IEC 60825-1 and IEC 60825-2	
2	**Warranty and Support**	5 Years Hardware Replacement Warranty	
		Replacement with New Product Only No refurbished Products.	

4. High Performance Enterprise-Class Wireless Controller with 200 AP Support, Qty: 1

Sl No	Parameter	Technical Specification	Compliance Yes/No
	Make:		
	Model:		
1	**Physical Specifications**	2# 1/10Gbps auto-sensing and auto-negotiation SFP+ ports for Data and Control	
		1# 10/100/1000 Mbps auto-sensing and auto-negotiation Copper RJ-45 ports for Management	
		1# USB 2.0 port	
		1# DB-9 Console port	
		2# redundant, hot-swap internal power supplies (PSU)	
		2# removable fan trays provide front-to-back cooling airflow for best compatibility with data center hot aisle/cold aisle airflow patterns	
		Rack Mountable	
		LED: Power, status, fan and stacking master	
2	**Software Specifications**	Supports up to 200 Access Points and 12,000 concurrent clients per controller	
		Stack up to 3 controller per wireless cluster	
		Supports up to 600 Access Points and 36,000 concurrent clients per controller cluster	
		Ufasttm AP discovery provides super-fast AP discovery	
		Secured communication between AP and Controller	
		Data traffic can be forwarded to the best path without traversing the controller	
		Eliminates controller bottleneck for high throughput 802.11n APs	
		Intelligent tunneling with Layer 2 and Layer 3 roaming	
		Layer 2 and Layer 3 seamless roaming	
		WLAN healing for automatic RF coverage in the	

		case of AP failure	
		Rogue AP detection	
		Support both indoor and outdoor APs	
		Support 802.11b, 802.11g, 802.11n, 802.11a and 802.11ac	
		Support access points discovery in the network, even across VLANs and subnets	
3	**RF Management**	Automatic channel distribution to minimize interferences	
		Auto-channel allocation taking into consideration of the environment, interferences, traffic load and neighboring AP	
		Scheduled mode for Auto-channel allocation	
		Automatic mode in case of high level of interferences available	
		Optimum transmit power determination based on coverage requirements	
		Automatic power control mode available	
		Neighborhood scan of RF environment to minimize neighboring AP interference and leakage accross floors	
		Automatic mode or Manual mode for Coverage Hole Detection	
		Down APs or compromized RF environment detection with alerts	
		Self healing: automatic neighboring AP power increase to cover coverage losses	
		APs load monitoring and overloading prevention	
		Clients redirection to lightly loaded neighboring APs	
		Seamless rapid mobility across VLAN and subnets	
		Including 802.11i pre-auth and fast roaming	
		Fast Roaming support accross L2, and L3 for video, audio and voice over wireless client	
4	**QoS**	WMM (802.11e) support	
		WMM Queues in decreasing order of priority	
		WMM Power Save option	
5	**Wireless Security**	Open, WEP, WPA/WPA2-PSK	
		802.11i/WPA/WPA2 Enterprise with standard interface to external AAA / RADIUS Server	
		Distinct AAA Server per SSID	
		RADIUS Accounting Protocol	
		LDAP Based Authentication	
		Per Client Based LDAP policies for user bandwidth rate limiting available	
		Integrated AAA Server	

		Integrated Captive Portal available for client authentication in a Security Profile	
		Password based authentification mode: local user store available, receptionist assigned user name / password	
		Open authentification mode: guests auto registration with email address (up to 64 email stored)	
		Extraction of logs of guest activity	
		Captive Portal: Configurable Portal page, including image files	
		Detection and Mapping of up to 512 Rogue APs	
6	**Wireless Network Monitoring**	Summary of the Managed Access Points status, rogue Access Points detected, Wireless stations connected, Wireless Controller Information and Wireless Network usage	
		APs status for the Managed Access Points and details that includes configuration settings, current Wireless settings, current Clients and detailed Traffic statistics	
		Rogue Access Points: Reported, in same channel and in interfering channels	
		Wireless Clients statistics and details per AP, per SSID, per floor, per location	
		Black listed Clients, Roaming Clients	
		Wireless Network Usage: show Ethernet, Wireless 802.11 b/bg/ng and 802.11 a/na mode traffic separately	
		DHCP details for Wireless Clients	
7	**Management**	HTTP, SNMP v1/v2c, Telnet, Secure Shell (SSH)	
		Logging and Reporting	
		Managed Access Points Ping	
		Save/Restore Configuration	
		Firmware Upgrade via Web browser for the Wireless Controller and the Managed Access Points	
		Support Dual Boot Image	
8	**IEEE and RFC Standards**	IEEE 802.3 10BASE-T	
		IEEE 802.3u 100BASE-TX	
		IEEE 802.3ab 1000BASE-T	
		IEEE 802.1Q VLAN tagging	
		IEEE 802.11i	
		IEEE 802.1X	
		RFC 2131 DHCP	
		RFC 768 UDP	
		RFC 791 IP	
		RFC 792 ICMP	

		RFC 793 TCP	
		RFC 1519 CIDR	
		RFC 1542 BOOTP	
		WPA-PSK, WPA2-PSK	
		WEP and TKIP-MIC: RC4 40, 104 and 128 bits (both static and shared keys)	
		AES: CBC, CCM, CCMP	
		DES: DES-CBC, 3DES	
		SSL and TLS: RC4 128-bit and RSA 1024- and 2048-bit	
		DTLS: AES-CBC	
		IPSec: DES-CBC, 3DES, AES-CBC	
		RFC 2406 IPsec	
		RFC 2409 IKE	
		RFC 3280 Internet X.509 PKI Certificate and CRL Profile	
		RFC 3602 The AES-CBC Cipher Algorithm and Its Use with IPsec	
		RFC 3686 Using AES Counter Mode with IPsec ESP	
		RFC 4347 Datagram Transport Layer Security	
		RFC 4346 TLS Protocol Version 1.1	
		RFC 2548 Microsoft Vendor-Specific RADIUS Attributes	
		RFC 2716 PPP EAP-TLS	
		RFC 2865 RADIUS Authentication	
		RFC 2866 RADIUS Accounting	
		RFC 2867 RADIUS Tunnel Accounting	
		RFC 2869 RADIUS Extensions	
		RFC 3576 Dynamic Authorization Extensions to RADIUS	
		RFC 3579 RADIUS Support for EAP	
		RFC 3580 IEEE 802.1X RADIUS Guidelines	
		RFC 3748 Extensible Authentication Protocol	
		Web-based authentication	
		TACACS support for management users	
		RFC 854 Telnet	
		RFC 1155 Management Information for TCP/IP-Based Internets	
		RFC 1156 MIB	
		RFC 1157 SNMP	
		RFC 1213 SNMP MIB II	
		RFC 1350 TFTP	
		RFC 1643 Ethernet MIB	
		RFC 2030 SNTP	
		RFC 2616 HTTP	
		RFC 2665 Ethernet-Like Interface types MIB	

		RFC 2674 Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering, and Virtual Extensions	
		RFC 2819 RMON MIB	
		RFC 2863 Interfaces Group MIB	
		RFC 3164 Syslog	
		RFC 3418 MIB for SNMP	
		RFC 3636 Definitions of Managed Objects for IEEE 802.3 MAUs	
		Enterprise private MIBs	
9	**Other Specifications**	WLANs (BSSIDs): 144	
		Profile Groups per Controller: 9 (1 Basic + 8 Advanced)	
		Profile per Controller: 128	
		Security Profile Groups per Profile Group: 9 (1 Basic + 8 Advanced)	
		Radius, AD, and LDAP proxy	
		Rate Limiting on per SSID and per Client	
		Schedule AP on/off	
		Stacking Redundancy (N+1)	
		IPv4 and IPv6 support	
		VLANs: 64+1 Management	
		Active-standby Redundancy	
		DHCP Server	
10	**Environmental Conditions**	Operating Temperature: 0° to 45°	
		Storage Temperature: -20° to 70°	
		Operating Relative Humidity: 10% to 90%	
		Storage Humidity: 5% to 95%	
		MTBF: 664,072 hours minimum	
		Power Consumption: 82.3W maximum	
11	**Licenses for AP Management**	Only once Licenses need to be taken, Renewal not require	
12	**Warranty and Support**	True Lifetime hardware replacement warranty	
		Lifetime free latest firmware support	
		Replacement with New Product Only No refurbished Products.	

5. H/W Firewall with 3 years subscription Qty: 1

Sl No	Parameter	Technical Features	Compliance Yes/No
	Make:		
	Model:		
1	Processor	UTM should be multi core 64bit processor architecture shouldn't be any proprietary ASIC based architecture	

2	Throughput	Firewall Throughput :20 Gbps or better	
		IPS Throughput: 4 Gbps or better	
		VPN throughput: 1.5 Gbps or better	
3	Session	Concurrent Sessions: 8 Million or better	
		New Sessions/connections per second: 140,000	
4		NGFW Throughput: 3 Gbps or better	
5	Storage	Internal Storage: 120 GB of SSD, Power Supply : Optional redundant	
6	Network Interface	Network Interfaces: 6 x 10/100/1000BaseT Ports, and 2 x 1GbE SFP and future expansion slot for 4 X 10 GbE SFP+ ports or 2 X 40 GbE QSFP+ ports .	
7	Feature	Should have Static & Dynamic routing features	
		Shall support 802.1Q VLANs	
		Shall support deployment in Active-Active HA mode and state full failover with Multiple ISP	
		Shall provide Gateway Anti - Malware with capability to scan, detect,: remove and/or quarantine packets infected with Virus, Trojan, works, etc.	
		Shall support source and destination NAT, NAT Traversal for Voice protocols.	
		Shall have protocol anomaly detection and support IPS signatures with provision for regular updates.	
		It shall be possible to define custom IPS policies.	
		Shall provide Application and web filtering features	
		Shall support filters/policies based on user identity, IP address, MAC address.	
		Shall support configuration of different security zones and apply access control policies/filters based on zones.	
		Shall provide mechanisms to detect and protect from DoS, DDoS attacks and spoof	
		Shall have capability to filter websites various categories including URL, keywords, file/MIME type as well as custom categories/keywords and block pages suspected of containing phishing and/or pharming links	
		Shall be capable of providing application security based on application categories including - P2P, Gaming, Internet Proxies. Etc	
		Shall support web application protection by preventing common application based threats.	
		Shall support web application firewall to protect against cross site scripting, SQL injection, form hardening etc.	
		Shall provide mechanism to control and block instant messaging clients including prevention of IM based file transfers.	
		The solution should support minimum 50 clientless SSL VPN tunnels from day one without any extra cost.	

		Shall support DES, 3DES, AES encryption along with SHA-1, MD5 authentication	
		Shall support RIPv1&v2, OSPF, BGP and policy based routing, and Multicast Routing PIM,IGMP	
		Shall support user/category/application/IP based bandwidth management and load balancing	
		Shall support DHCP Relay, NTP/SNTP, SNMP, Syslog	
		Shall support local authentication server as well as integration with LDAP/Active Directory and RADIUS Servers	
		Solution should be able to share security heartbeat with endpoint for proactive protection	
		Security heartbeat should be able to identify and isolate endpoint from the network and automatically back to service once clean up done.	
		Shall support logging, viewing and reporting of all UTM services including firewall, IPS, Web & Application control, Anti-Virus ,anti spam, Advance Threat Prevention etc.	
		Should support malicious traffic detection to protect any command and control connections(bot) for infected servers.	
8	Warranty	Shall include three years warranty for the appliance along with license & subscription for Gateway Antivirus, spyware, Anti Spam, Advance Threat prevention, Web / URL Filtering, content and application filtering, Server protection IPS . License period will be counted after activation.	
9	Certification	Should be recommended by NSS Lab	
		Should be EAL4+ & ICSA certified	

(d) Specifications for Passive Materilas (Fiber LIU, Fiber Pigtail & Patch Cord):

OEM Eligibility Criteria:

Requirement	**Compliance (Yes/No)**
All components shall be ROHS compliant.	
OEM shall be ISO 9001 and 14001 certified. Copy of Valid Certificate submitted	
The OEM should be member of Telecommunication Industry Association.	
Passive OEM should be in India for more than 10 years.	
Tender specific authorization letter should be submitted along with bid.	

1. Fiber Optic Rackmount LIU, loaded with LC adapter plates, Splice Tray, Qty: 6

Sr no	Parameter	Technical Specification	Compliance (Yes/No)
	Make:		
	Model:		
1	Fiber Management Shelf	Configurable Fibre drawer is a 1U rack mount unit for storing and terminating incoming fibre cable. Using our vast range of 6/12 Pak Plates you can configure your fibre system to suit all fibre applications.	
		Configurable. Fits up to four 6 /12 Pak Plates/ Angled 6/12 Pak plates	
		Management rings within system to accommodate excess fibre cordage behind the trough adapters and maintain fibre bend radius	
		Sliding drawer for ease of reconfiguring fibres	
		Rugged steel construction finisdhed in attractive	
		Accommodates 2 x 12 fibre Splice Trays	
2	Weight	5KG	
3	Compact size (mm)	45mm H x 485mm W x 255mm D	
4	Optical Fibre Adapter Plates Loded	12 Port / 6 Port LC Adpter SM Plate	
5	No of Adapter Plate Req	As per Requierment	

2. LC Pigtail, Single Mode, 1.5 mtrs,Qty: 48

Sr no	Parameter	Technical Specification	Compliance (Yes/No)
	Make:		
	Model:		
1	Connector Type	LC Single Mode Type	
2	Cord Length	1.5 Mtrs	
3	Buffer Diameter	900 µm	
4	Min. Bend Radius	30mm	
5	Buffer Sheath	LSZH	
6	Insertion Less	0.35dB	
7	Operating Temp	.-20ºC to 70ºC	

3. LC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron Qty: 16

Sr no	Parameter	Technical Specification	Compliance (Yes/No)
	Make:		

	Model:		
1	Make and Type	LC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron	
2	Cable Sheath	LSZH	
3	Cable Diameter	1.8 mm twin zip	
4	Ferrule	Ceramic	
5	Buffer	Tight buffered	
6	Insertion Loss	MAX .3 db	
7	Return Loss	> 45 db	
8	Temperature Range	.-10 Degree C to +60 Degree C	
9	ROHS	ROHS Compliant	

4. **Specification of Rack, 42U Rack (800 x 1000D)**

Sr no	Parameter	Technical Specification	Compliance (Yes/No)
	Make:		
	Model:		
1	Rack Size	Server Rack 42U (800 x 1000D)	
2	Door	Front Perforated Door -01 No	
		Rear Split Perforated Door-01 No	
3	Castor	Castors -01 Set	
4	PDU	PDUS-1Ph 230V,32A,Vertical PDU with 12 X 5/15A	
5	Power Cord	36KVA Rating& 3-Meter Power Cord with Indian Plug-01	
6	Shelf	Shelf 725/600w -01 No	
7	Hardware	Hardware pkt of 20 Nos -01 No	
8	FAN	FAN 230VAC 90 CFM-04	

2. **Delivery Period.** Delivery period for the supply of items would be 45 days from the effective date of contract. Please note that Supply order can be cancelled unilaterally by the buyer in case the items are not received within the contracted delivery period. Extension of contracted delivery period will be at the sole discretion of the buyer, with applicability of LD clause.

PART III – STANDARD CONDITIONS OF RFP

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer, Failure to do so may result in rejection for the Bid submitted by the Bidder

1. **Penalty for use of Undue influence**. The Seller undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/ penalty as the Buyer may deem proper , including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

2. **Liquidated Damages (LD)**. if the vendor fails to complete in full, all deliveries of all items and within the stipulated period, the vendor shall pay to the customer Liquidated Damages at the rate of zero point five percent (0.5%) of the total value of supply order of the delayed / undelivered items for every week of delay or part week, subject to the maximum value of the liquidated damages being not higher than ten percent (10%) of the value of delayed/undelivered items.

3. **Termination of Contract**. The Buyer shall have the right to terminate the Supply order/ Contract in part or in full in any of the following cases:-

(a) The delivery of the services is erratic, the manpower provided do not work or yield desired result of work, indulge in unauthorized congregation, theft, damaging of Army/ Govt property and any other unauthorized activity which is impediment to smooth functioning or a security or a fire hazard.

(b) The Seller is declared bankrupt or becomes insolvent.

(c) The delivery of services is not upto the required standard and the manpower provided do not have sufficient proof of their character and antecedents.

PART-IV SPECIAL CONDITION OF RFP

The Bidder is required to give confirmation of their acceptance of Special Conditions of the RFP mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer, Failure to do so may result in rejection of Bid submitted by the Bidder

1. **Performance Bank Guarantee (PBG)/ Security Deposit**. The vendor shall furnish a Bank Guarantee equal to five percent (5%) of the total value of the contract within seven days of the receipt of supply order. In case of non adherence to the delivery schedule for all deliverables of the items i.e. Due Date liquidated damages will be deducted from this amount. Bank Guarantee will be valid for a period of sixty days beyond the date of completion of contractual obligations. The format of PBG is provided at Form DPM 15 , Page 376 of DPM 2009 (attached as **Appendix 'D'** to RFP).

2. **Payment Terms**. 95% of the Supply order/contract amount shall be released after receipt of items at AIM new premises at Rajharhat along with the inspection note and other documents. Balance 5% will be released after the stores have been properly checked and accounted for.It will be mandatory for the Bidders to indicate their bank account numbers and other relevant e-payment details so that payments could be made through ECS/NEFT mechanism.

3. **Advance Payments**. Advance payment(s) of not more than 15% of Supply order/contract value can be made to the successful bidder/vendor subject to the contractor/vendor furnishing Bank Guarantee for the value for which Advance Payment has been made. Format for Advance Bank Guarantee is provided at Form DPM 16, Page 378 of DPM 2009. (**Format attached as Appendix E to RFP**)

4. **Risk & Expense Clause**.

(a) Should the services/items or any month thereof not be delivered within the Due Date as mentioned in the Supply order, or if lesser delivery is made in respect of the items or any installment thereof, AIM Kolkata shall after employing the services from other sources at the risk and cost of the service provider ask the service provider to make up the deficit within 24 hrs or at the earliest. The breach, be at liberty, without prejudice to the right to recover Liquidated Damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.

(b) Should the services provided thereof not perform in accordance with the specification /parameters provided by the SELLER as per Supply Order, AIMKolkata shall be at liberty, without prejudice to any other remedies to cancel the contract wholly or to the extent of such default.

(c) In case the services are not restored or supplied in full Numbers within the time stipulated , AIM shall having given the right of first refusal to SELLER be at liberty to purchase, manufacture, or procure from any other source as he thinks fit, other items of the same or similar description to make good:-

(i) Such default.

(ii) In the event of the contract being wholly determined the balance of the items remaining to be delivered there under.

(iii) Any excess of the purchase price, cost of manufacturer, or value of any items procured from any other supplier as the case may be, over the contract price appropriate to such default or balance shall be recoverable from the SELLER.

5. <u>Specification clause.</u> The seller guarantees to meet the specifications as per Part II of RFP and to incorporate modification to the existing design configuration to meet the specific requirement of the buyer services.

6. **<u>OEM Certificate.</u>** In case the bidder is not the OEM, the agreement certificate with the OEM for sourcing the spares shall be mandatory. However, where the OEM do not exist, minor aggregates and spares can be sourced from the authorized vendors subject to quality certification

7. <u>Force Majeure Clause</u>.

(a) Neither party shall bear responsibility for the complete or partial non-performance of any of its obligations (except for failure to pay any sum which has become due on account of receipt of goods under the provisions of the present contract). If the non-performance results from such Force majeure circumstances as Flood, Fire, Earth Quake and other acts of God as well as War, Military operation, blockade, Acts or Actions of State Authorities or any other circumstances beyond the parties control that have arisen after the conclusion of the present contract.

(b) In such circumstances the time stipulated for the performance of an obligation under the present contract is extended correspondingly for the period of time of action of these circumstances and their consequences.

(c) The party for which it becomes impossible to meet obligations under this contract due to Force Majeure conditions, is to notify in written form the other party of the beginning and cessation of the above circumstances immediately, but in any case not later than 10 (Ten) days from the moment of their beginning.

(d) Certificate of a Chamber of Commerce and Industry or other competent authority or organization of the respective country shall be sufficient proof of commencement and cessation of the above circumstances.

(e) If the impossibility of complete or partial performance of an obligation lasts for more than 06 (six) months, either party hereto reserves the right to terminate the contract totally or partially upon giving prior written notice of 30 (thirty) days to the other party of the intention to terminate without any liability other than reimbursement on the terms provided in the agreement for the goods received.

(h) **<u>Indemnity</u>**. The contractor shall indemnify the customer against all claims for death or injury caused to any person, whether workman or not, while engaged in any process connected with the contractor's work or for dues of any kind whatsoever, and the customer shall not be bound to defend any claim brought under the Workmen's Compensation Act, 1923 or Payment of Wages Act 1936, or any other statutory Act or Law in force from time to time and applicable to the said work unless the contractor first deposits with the customer a sum sufficient to cover any liability which customer may have to incur in relation to such proceedings.

8. **Quality**. The quality of the items delivered according to the present Contract shall correspond to the technical specifications enumerated as per RFP and shall also include therein modification to the items suggested by AIMKolkata. Such modifications will be mutually agreed to. The seller confirms that the items to be supplied under the contract shall be new i.e. not outside the contents of the Contract for the year 2019-20. The bidder will ensure the availability of the material for the contract period. The seller should also be committed to provide items with correct specifications in case the offered item becomes obsolete or newer version is available without any change in the terms & conditions and prices quoted.

8. **Quality Assurance**. The services will be as per the services required by the buyer and as spelt out in the RFP. Contract and the rules and regulations governing the instant Contract and should be conforming to 100%, at the time of delivery.

9. **Inspection Authority**. The inspection will be carried out by board of officers on behalf of AIMK

10. **Claims**. The following Claims clause will form part of the contract placed on successful Bidder:-

(a) The claims may be presented either:-

(i) On quantity of the items, where the quantity does not correspond to the quantity shown in the Packing list/Insufficiency in packing.

(ii) On quality of the items, where quality does not correspond to the quality mentioned in the contract.

(b) The quantity claims for deficiency of quantity shall be presented on completion of opening board of officers and acceptance of goods. The quantity claim shall be submitted to the seller as per Form DPM-22 (Available in MoD website and can be given on request).

(c) The quality claim for defects or deficiencies in quality noticed during the inspection by Board of Officers shall be presented on completion of inspection and acceptance of goods. Quality claims shall be presented for defects or deficiencies in quality noticed during warranty period earliest but not later than 45 days after expiry of the guarantee period. The quality claims shall be submitted to the seller as per Form DPM-23 (Available in MoD website and can be given on request).

(d) The description and quantity of the items are to be furnished to the seller along with concrete reasons for making the claims. Copies of all the justifying documents shall be enclosed to the presented claim. The seller will settle the claims within 15 days from the date of the receipt of the claim at the seller's office, subject to acceptance of the claim by the seller. In case no response is received during this period the claim will be deemed to have been accepted.

(e) The Seller shall collect the defective or rejected goods from the location nominated by AIMKolkata deliver the repaired or replaced goods at the same location under Seller's arrangement.

(f) Claims may also be settled by reduction of cost of goods under claim from bonds submitted by the seller or payment of claim amount by seller through demand draft drawn on an Indian Bank, in favour of Principal Controller/Controller of Defence Accounts concerned.

(g) The quality claims will be raised solely by AIMKolkata and without any certification/countersignature by the Seller's representative stationed in India.

11. **Warranty**. The seller shall guarantee the good supplied to conform to the quality specified for the period as specified in specifications as mentioned in Part II of the RFP from date of delivery. If during the aforesaid period the quality deteriorates or is not giving satisfactory performance, the decision of the buyer in that behalf shall be final and binding on the seller and the buyer shall be entitled to call upon the seller to replace/repair the goods supplied, or the said portion of it as is found to be defective by the buyer within a reasonable period, but not later than two weeks from the day the complaint is lodged, otherwise the seller shall pay to the buyer such compensation as may arise from the reason of breach of the warranty therein contained.

PART V

EVALUATION CRITERIA & PRICE BID ISSUES

"All questions and column for part V of RFP need to be answered and mentioned clearly and failure to do so may result in disqualification and rejection of Bid"

1. Only those Bids will be evaluated which are found to be fulfilling all the 'eligibility and qualifying requirements' of the RFP both technically and commercially.

2. **Two - Bid System**. The bids will be submitted as Technical and Commercial Bids both online; and physically in two sealed covers which will further be placed in a large cover. Details are as under:-

(a) **Technical Bid (Format given at Appendix A) :Cover-1.**

(i) **Documents to be Submitted online and Physically**. Cover-I will contain the Technical Bids along with following documents which will be submitted physically in a sealed envelope (in Cover-I)in the Tender Box placed at Reception of AIMK or will be sent by Registered Post. for acceptance of bid. :-

(aa) Copy of Trade Licence

(aa) Copy PAN No & TAN No.

(ab) GST Registration Certificate.

(ac) EMD (2% of bid amount). Certificate of registration from relevant agency in case seeking exemption from EMD.

(ad) Tender Condition Acceptance Certificate. The bidder shall certify for acceptance of all the tender conditions of the online RFP and furnish a certificate as per **Appendix C.**

(ae) Technical Compliance Sheet as per Para 1(C) of Part II of RFP

(af) Technical Data Sheet of all quoted products

(ag) Tender Specific OEM Authorization Letter

Note :-The above documents should also reach online through email to registrar@aim.ac.in, as password protected pdf file in confidential mode prior to bid submission closing date ie. on or before **17 Aug 2020 upto 10:55 AM**. In case of hard copies, no responsibility will be taken for postal delay or non-delivery/non-receipt of documents or putting the documents in wrong place. Bids will be rejected if it doesn't reach by due date and time. The tender Number & Project name must be clearly mentioned on the top of the sealed envelope.

Initially, only soft copy of technical bids as per the format provided at Appendix A and other documents of RFP, be forwarded as a password protected pdf file on line, to email at **registrar@aim.ac.in**. Vendors who are technically compliant will be informed and such vendors shall ensure that soft copy of their commercial bid as per Appendix B is forwarded as a password protected pdf file on line, to email at **registrar@aim.ac.in**. in confidentiality mode; and sealed, ink signed hard copy of complete bid in a sealed cover as per the procedure mentioned in Part I of RFP are dropped in Tender box kept near

Registrar office at AIMK, at Rajarhat Campus within 48 hours of intimation.

(b) **Commercial Bid (Format given in Appendix 'C'): Cover-2**. Commercial Bid in the form of **'BoQ'** (Bill of Quantities) shall be **mandatorily** submitted physically also as per the specified format at Appendix B. Bidders are required to offer their quotes accordingly.

3. **Commercial bids of only those vendors will be opened who are found technically compliant and whose hard copies of complete bid documents are received.** The lowest Bid will be decided upon the lowest price quoted by the particular Bidder as per Commercial bid in the form of BoQ (Bill of Quantities).

4 The lowest acceptable Bid will be considered further for placement of contract/ supply order after complete clarification and price negotiations as decided by the Buyer. The buyer will have the right to award contracts to different Bidders for being lowest in particular items. The buyer also reserves the right to do so of quantity, if it is convinced that lowest bidder is not in a position to supply full quantity in stipulated time

5 The Bidders are required to spell out the rates of Customs duty, Excise duty, VAT, Service Tax etc in unambiguous terms. Stipulations like, excise duty was presently not applicable but the same will be charged if it becomes livable later on, will not be accepted. Online quotes of the vendors in BoQ.xls will be considered as final.

Yours faithfully

Appendix A
(Refer Para 3(a) of Part-I of RFP)

TECHNICAL BID

(TO BE SCANNED AND FORWARDED ON EMAIL REGISTRAR@AIM.AC.IN ALSO TO BE PHYSICALLY DEPOSITED BY L1 VENDOR IN TENDER BOX BEFORE PLACEMENT OF SUPPLY ORDER IN SEALED ENVELOPE)

Dear Sir,

Refer your Tender Enquiry No _____ dated ____ 2020, We hereby submit our technical bid in response to the Tender Enquiry.

PART-I

APPLICATION/TECHNICAL/PERSONAL DETAILS

1. Detail of Bidder(s) :_____

2. Father's Name/Husband's Name /Name of Partners_____

3. Address:_____(Attach Proof of Address)

4. Contact Nos (a) _____ (b)_____(c)_____

5. PAN Number_____TAN /TIN Number_____(Attach Photocopies)

6. Bank _____ Account No_____
(Attach legible photocopy of first page of Bank Pass Book with photograph duly attested)

7. Date of Birth _____ (Attach proof).

8. Earnest Money Deposit (EMD) – ***Rs*** _____/- (Rupees _____only) in form of FDRs (made from any of the public sector banks or a private sector bank authorized to conduct government business as per Form DPM-13 (available in MoD website and can be provided on request) valid for six months pledged in favour of Director, Army Institute of Management Kolkata and duly discharged by signing on reverse of FDR. FDR No_____ date_____.

9. **Documents to be attached.**

   (a) Copy of trade license.

   (b) PAN No & TAN No.

   (c) GST Registration Certificate.

   (d) EMD (2% of bid amount)

(e) Tender Condition Acceptance Certificate. The bidder shall certify for acceptance of all the tender conditions of the online RFP and furnish a certificate as per **Appendix C.**

(f) Ink signed copy of RFP

(g) Technical Compliance Sheet

(h) Technical Data Sheet of all quoted products

(i) Tender Specific OEM Authorization Letter

Note : The above document including Bank Draft will be submitted in an envelope of 12"x9" dimensions and super scribed as Personal/ Technical details and marked Part I

Declaration

I, the above named deponent solemnly affirm and declare that all the particulars stated by me in this application are true and correct. I have not concealed any fact or information. If any information furnished herein is found fraudulent, incorrect or untrue, I understand that I will be liable to criminal prosecution and agree to forego my Earnest Money Deposit. I shall also bear all the expenses imposed on me as penalty by the department to which this application is being processed.

Station : Deponent

Dated : 2020

Verification

Verified that the contents of my above affidavit are true and correct to the best of my knowledge and belief and as per information derived from my personal and official record maintained by agency. No part of it is false and nothing material has been concealed therein.

Station : Deponent

Dated : 2020

Note:

1. The bidder need to provide original brochure/ documents/ certificate from the OEM/ Distributer that the paper offered (Make/ Mode) is conforming to specified Standards.

2. Mention Make & model of the product in an unambiguous terms, failing to provide will result in rejection of the bid.

Company Seal
Authorized Signatory

Appendix B

(Refer Para 3(b) of Part-I of RFP)

PRICE BID FORMAT

5. **Schedule of Prices.**

S No	Item/Services	Unit Price	Qty	Total Price	Remarks
1	**Server Room Required Devices**				
	Device Name				
a	1/10G, L3, 24 port (12 Copper + 12 Fiber) Stackable L3 fully Managed switch		2		
b	10G Single Mode SFP+ Module		6		
c	1G Single mode SFP Module		2		
d	Wireless Controller support upto 200AP on one device and can be stacked in 3+1 to support upto 600AP		1		
e	AP Licenses Can Manage 10 AP		12		
f	HW Appliance with 6 GE ports, 2 SFP ports, 1 expansion bay for optional FleXi Port module, SSD + Base License		1		
g	Subscription Pack for 36 months Includes: Network Protection, Web Protection, Email Protection, Webserver Protection and Enhanced Support		1		
h	12 Port LIU loaded with LC type coupler & Connector		6		
i	SM LC Type pigtail		48		
j	SM LC-LC FO Patch Cord		16		
k	42U Server Rack with accessories		1		
l	Total of basic Price				
2	Accessories				
3	Installation/Commissioning Charges				
4	Training Charges				
5	GST				
6	**Grand Total (Server Room) (1l+2+3+4+5)**				

Company Seal
Authorized Signatory

Appendix 'C'
(Refer Para 9(d)Appendix 'A' of RFP)

TENDER CONDITIONS ACCEPTANCE LETTER
(To be given on Company Letter Head)

To
_____
_____

SUB: ACCEPTANCE OF TERMS & CONDITONS OF TENDER

Tender Reference No : _____

Name of Tender/ Work : _____.

Dear Sir,

1. I/We have downloaded/obtained the tender documents(s) for the above mentioned Tender/Work' from the web sites) namely _____as per your advertisement, given in the above mentioned website(s).

2. I/We hereby certify that I / We have read entire items and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc) which form part of the contract agreement and I/we shall abide hereby the terms / conditions/ clauses contained therein.

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

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

5. The Technical Bid and its enclosures as submitted in physical form as mentioned in Para 8(a)(i) of part I of RFP is the true copy of the documents uploaded on the Central Public Procurement Portal (http://defproc.gov.in).

6. In case any provisions of this tender are found violated, your department/ organization shall be at liberty to reject this tender/ bid including the forfeiture of the full said Earnest Money Deposit absolutely and we shall not have any claim/right against deptt in satisfaction of this condition.

Your Faithfully
(Signature of the Bidder, with Official Seal)

Appendix 'D'
(Refer Para 5 of Part-II of RFP)

EMD BANK GUARANTEE FORMAT

Whereas……..(Here in after called the "Bidder") has submitted their offer dated……for the supply of……..(Here in after called the "Bid") against the Buyer's Request for proposal No……..KNOW ALL MEN by these presents that WE……..of …….having our registered office at ……are bound unto…….(Hereinafter called the "Buyer) in the sum of ……..for which payment will and truly to be made to the said Buyer, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this……. Day of ……..20……

The conditions of obligations are :-

1. If the Bidder withdraws or amends, impairs or derogates from the Bid in any respect within the period of validity of this tender.

2. If the Bidder having been notified of the acceptance of his tender by the Buyer during the period of its validity.

   (a) If the Bidder fails to furnish the Performance Security for the due performance of the contract.

   (b) Fails or refuses to accept/execute the contract.

We undertake to pay the Buyer up to the above amount upon receipt of its first written demand, without the Buyer having to substantiate its demand, provided that in its demand the Buyer will note that the amount claimed by its is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions. This guarantee will remain in force upto and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

…….
(Signature of the authorized officer of the Bank)
(Name and designation of the officer)

Seal, name & address of the Bank and address of the Branch

Appendix E'
(Refer Para 1 of Part-IV of RFP)

PERFORMANCE BANK GUARANTEE FORMAT

From:
Bank_____

To,
The Director AIMK,

Dear Sir,

Whereas you have entered into a contract No._____dated_____(hereinafter referred to as the said Contract) with M/s _____, hereinafter referred to as the "seller" for supply of goods as per Part-II of the said contract to the said seller and whereas the Seller has undertaken to produce a bank guarantee for (____%) of total Contract value amounting to _____to secure its obligations to the President of India.

1. We the_____bank hereby expressly, irrevocably and unreservedly undertake and guarantee as principal obligors on behalf of the seller that, in the event that the President of India declares to us that the goods have not been supplied according to the Contractual obligations under the aforementioned contract, we will pay you, on demand and without demur, all and any sum up to a maximum of _____Rupees _____only. Your written demand shall be conclusive evidence to us that such repayment is due under the term of the said contract. We undertake to effect payment upon receipt of such written demand.

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

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

4. This guarantee shall remain valid for____ months from the date of completion of contract or until all the services, obligations, and documentation have been supplied according to the contractual obligations under the said contract.

5. Unless a demand or claim under this guarantee is made on us in writing or on before the aforesaid expiry date as provided in the above referred contract or unless this guarantee is extended by us, all your rights under this guarantee shall be forfeited and we shall be discharged from the liabilities hereunder.

6. This guarantee shall be continuing guarantee and shall not be discharged by and change in the constitution of the Bank or in the constitution of M/s_____

(Signature of the authorized officer of the Bank)
(Name and designation of the officer)

Seal, name & address of the Bank and address of the Branch

Appendix F
(Refers to Para 3 Part IV of RFP)

FORMAT FOR BANK GUARANTEE FOR ADVANCE PAYMENT

From : Bank _____
To The Director AIMK,

With reference to contract No. _____ _____ dated _____ concluded between the President of India, hereinafter referred to as 'the Purchaser' and M/s _____ _____ hereinafter referred to as the "the contractor" for the development and supply of _____ as detailed in the above contract which contract is hereinafter referred to as "the Said Contract" and in consideration of the Purchaser having agreed to make an advance payment in accordance with the terms of the Said Contract to the said contractor, we the _____bank, hereinafter call 'the Bank' hereby irrevocably undertake and guarantee to you that if the Said Contractor would fail to develop and supply the stores in accordance with the terms of the Said Contract for any reason whatsoever or fail to perform the Said Contract in any respect or should whole or part of the said on account payments at any time become repayable to you for any reason whatsoever, we shall, on demand and without demur pay to you all and any sum upto a maximum of Rs. _____ (Rupees _____ only) paid as advance to the Said Contractor in accordance with the provisions contained in Clause _____ _____ of the Said Contract.

2. We further agree that the Purchaser shall be the sole judge as to whether the contractor has failed to develop and deliver the stores in accordance with the terms of the Said Contract or has failed to perform the said contract in any respect or the whole or part of the advance payment made to Contractor has become repayable to the Purchaser and to the extent and monetary consequences thereof by the Purchaser.

3. We further hereby undertake to pay the amount due and payable under this Guarantee without any demur merely on a demand from the Purchaser stating the amount claimed. Any such demand made on the Bank shall be conclusive and binding upon us as regards the amounts due and payable by us under this Guarantee and without demur. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs _____ (Rupees _____ only).

4. We further agree that the Guarantee herein contained shall remain in full force and effect for a period of 12 months from the date the last advance payment was made or for a period of 90 days from the date on which final delivery of the stores after development was made and accepted by the Purchaser whichever falls later unless the Purchaser in his sole discretion discharges the Guarantee earlier.

5. We further agree that any change in the constitution of the Bank or the constitution of the contractor shall not discharge our liability hereunder.

6. We further agree that the Purchaser shall have the fullest liberty without affecting in any way our obligations hereunder with or without our consent or knowledge to vary any of the terms and conditions of the Said Contract or to extend the time of development/delivery from

time to time or to postpone for any time or from time to time any of the powers exercisable by the Purchaser against the contractor and either to forbear or enforce any of the terms and conditions relating to the Said Contract and we shall not be relieved from our liability by reason of any such variation or any indulgence or for bearance shown or any act or omission on the Purchaser or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of so relieving us.

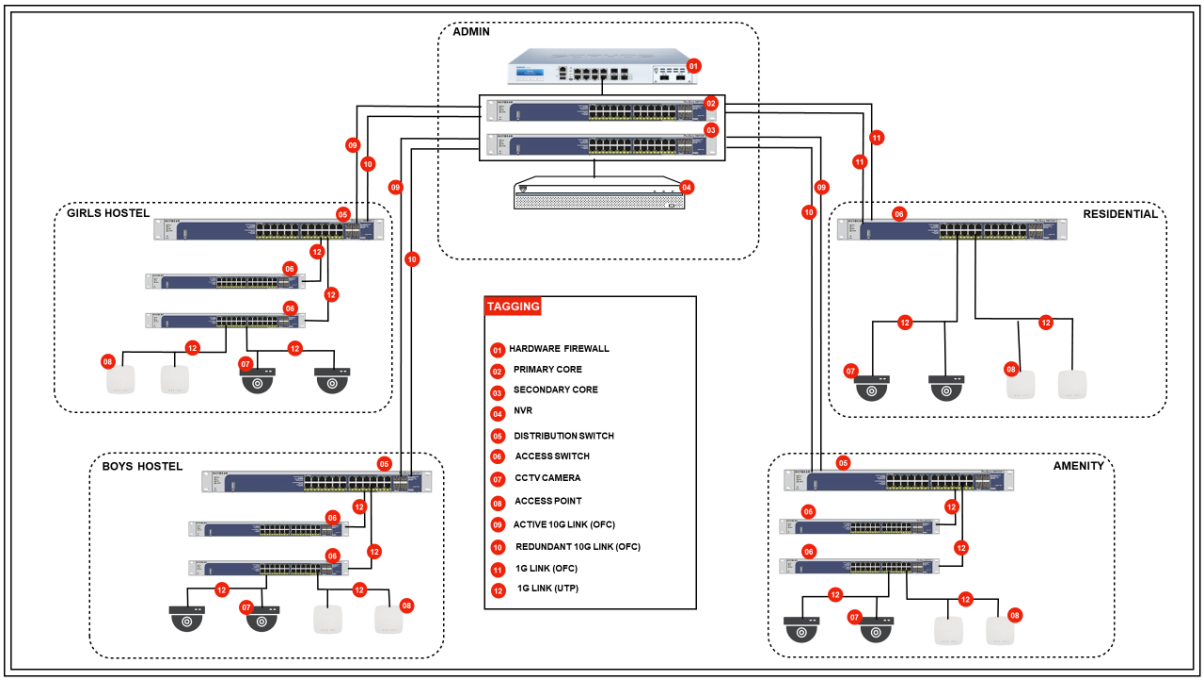
7. We lastly undertake not to revoke the Guarantee during the currency of the above said contract except with the prior consent of the Purchaser in writing.

Yours faithfully,

…….

(Signature of the authorized officer of the Bank)
(Name and designation of the officer)

Seal, name & address of the Bank and address of the Branch

Appendix G (Refers to Para 1(a) of Part II of RFP

Schematic diagram of Network desired