



IIM NAGPUR

भारतीय प्रबंध संस्थान नागपुर
Indian Institute of Management Nagpur

INDIAN INSTITUTE OF MANAGEMENT, NAGPUR

ICT Department, IIM Nagpur, Plot No. 1, Sector 20, Mihan
(Non-Sez) Nagpur - 441108

Phone No. – 9970305991

Email: itoffice@iimnagpur.ac.in

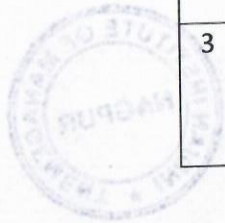
www.iimnagpur.ac.in

Invitation to Offer

Suppliers Address: Ph.No.: Email id :	Enquiry Ref. No. IIMN/ICT/2021-22/07	Date of Issue: 18/02/2022
	To reach us before: 03/03/2022 Up to 11.00 A.M at MIHAN campus	Offer Valid up to: 6 Months
	Date & time of opening of bid: 03/03/2022 Up to 11.30 A.M at MIHAN campus	Issued by: ICT Department IIM Nagpur

We invite your Quotation for the item/s mentioned below. Please return this form, duly filled in all respects in a sealed envelope so as to reach us on the above address and before the date specified above. Submitting this quotation implies agreement to the terms and conditions mentioned in Appx.'B'.

Sr. no	Description of Item	Unit	Qty (A)	Rate/Unit or meter (B)	GST/Unit (C)	Total (A*(B+C))
1	Supply, installation, configuration, testing, commissioning and maintenance of Firewall Make: Fortigate, Cisco , Sophos along with the integration of Internet leased line Technical details and product description as per Appx. 'A'	no	01			
2	Supply, Installation, configuration, testing, commissioning and maintenance of PoE Switch Make: Cisco Technical details and product description as per Appx. 'A'	no	01			
3	Supply, Installation, configuration, testing, commissioning and maintenance of Wi-Fi Access point Make: Cisco Technical details and product description as per Appx. 'A'	no	05			





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4	Installation, testing, commissioning and maintenance of 10 I/O Ports - network points (LAN points) setup Technical details and product description as per Appx. 'A'	no	10			
5	Supply, Installation, configuration, testing, commissioning, and maintenance of network rack - 12U Technical details and product description as per Appx. 'A'	no	01			
6	Laying of OFC/CAT6 lease line from the server room to Rack location	Meter				
	Add Transport/Installation Charges etc. if any					
	Grand Total					

Total Price (in words) Rupees _____

Note: All the cables as per actual and recommendation, casing, installation charges, and all other charges to be included in quoted price. A site visit should be done by the bidder to understand the location of the I/O ports and AP points from the network Rack before quoting the bid.





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Appx 'A'

Technical Details:

Product Description: Supply, installation, configuration, testing, commissioning and maintenance of Firewall along with the integration of Internet leased line. **Model:** Fortigate FG100E or equivalent in Cisco/Sophos

Quantity: 01 NOS

Technical Specification:

		Description
Networking	Advanced Networking	DHCP v4/v6, DNS, NAT – source, destination, static NAT, destination NAT, PAT, NAPT, Full IPv4/v6 support and advanced BGP capabilities
	VPN/Overlay	Site-to-site ADVPN – Dynamic VPN tunnels, policy-based VPN, IKEv1, IKEv2, DPD, PFS, ESP and ESP- HMAC support, Symmetric Cipher support (IKE/ESP): AES-128 and AES-256 modes: CBC, CNTR, XCBC, GCM, Pre-shared and PKI authentication with RSA certificates, Diffie-Hellman key exchange (Group 1,2,5), MD5 and SHA1 based HMAC
	VXLAN Termination	VXLAN termination and re-origination in the hardware for higher performance
	Ultra-Scalable Firewall Sessions	Hundreds of millions concurrent connections
Firewall	Super-fast connections setup	Tens of millions of Firewall connections per second to enable high-velocity eRetail and a wide variety of other use cases
	DDoS Resiliency	IPv4/IPv6 DDoS metering controls to prevent flooding attacks
Security	Web Filtering	AI/ML powered Web Filtering to rate URLs of categories and Integrated image classifier to rate and classify
	Antivirus Security Service	Protects against the latest viruses, spyware and other content-level threats by using industry-leading advanced detection engines that can detect variations of the same malware.
	IPS Security Service	Identify and block known vulnerabilities through sophisticated signature sets.





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Firewall	Redundancy/High-availability	Support a wide variety of clustering solutions like FGCP, FGSP, VRRP, HSRP. Supports asymmetric routing with FGSP cluster and advanced security inspection
	Integration	RESTful API/Ansible for configuration, zero touch provisioning, reporting and third-party integration
	High Speed & Density I/O	1G, 10G, 25G, 40G, 100G
User	300 User	

2) Product Description: Supply, Installation, configuration, testing, commissioning and maintenance of PoE Switch
(Model: C9200L-24P-4X-E)
Make: Cisco

Technical Specification:

Description	
Model	C9200L-24P-4X-E
Downlinks total 10/100/1000 or PoE+ copper ports	24 ports full PoE+
Uplink configuration	4x 10G fixed uplinks
Default primary AC power supply	PWR-C5-600WAC
Fans	Fixed redundant
Software	Network Essentials
Chassis Dimensions	1.73 x 17.5 x 11.3 in 4.4 x 44.5 x 28.8 cm
Virtual Networks	1
Stacking bandwidth	80 Gbps
Total number of MAC addresses	16,000





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Total number of IPv4 routes (ARP plus learned routes)	11,000 (8,000 direct routes and 3,000 indirect routes)
IPv4 routing entries	3,000
IPv6 routing entries	1,500
Multicast routing scale	1,000
QoS scale entries	1,000
ACL scale entries	1,500
Packet buffer per SKU	6 MB buffers for 24- or 48-port Gigabit Ethernet models
Flexible NetFlow (FNF) entries	16,000 flows on 24- and 48-port Gigabit Ethernet models
DRAM	2 GB
Flash	4 GB
VLAN IDs	1024
Total Switched Virtual Interfaces (SVIs)	512
Jumbo frames	9198 bytes
Wireless bandwidth per switch	N/A
Switching capacity	128 Gbps
Forwarding rate	190.4 Mpps
Mean time between failures (hours)	390,310





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3) Product Description: Supply, Installation, configuration, testing, commissioning and maintenance of Access point (Model: AIR-AP2802I-E-K9)

Make : Cisco

Description	
Frequency band and 20-MHz operating channels	E (E regulatory domain): <ul style="list-style-type: none">- 2.412 to 2.472 GHz; 13 channels- 5.180 to 5.320 GHz; 8 channels- 5.500 to 5.700 GHz; 8 channels
Antenna	Flexible radio (either 2.4 GHz or 5 GHz) <ul style="list-style-type: none">• 2.4 GHz, gain 4 dBi, internal antenna, omnidirectional in azimuth• 5 GHz, gain 6 dBi, internal directional antenna, elevation plane beamwidth 90° Dedicated 5-GHz radio 5 GHz, gain 5 dBi, internal antenna, omnidirectional in azimuth
Features	<ul style="list-style-type: none">- 4x4 MU-MIMO with three spatial streams, MRC , 802.11ac Beamforming,- 20-, 40-, 80, 160-MHz channels- PHY data rates up to 5.2 Gbps, - Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)- 802.11 DFS, CSD support
Interfaces	<ul style="list-style-type: none">- 2 x 100/1000BASE-T autosensing (RJ-45)- Management console port (RJ-45)- USB 2.0 (enabled via future software)
System memory	<ul style="list-style-type: none">- 1024 MB DRAM- 256 MB flash





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4) Product Description: Supply, installation, configuration, testing, commissioning, and maintenance of 10 I/O Ports- network points (LAN points) setup

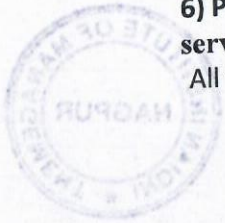
Technical Details: Installation, testing, and commissioning of 10 I/O Ports- network points (LAN points) including supply of material like all accessories, CAT6 Cables, I/O's, Face Plates, connectors, patch cord, PVC conduit, casing, etc. and fixing/ labor work with complete mounting and installation.

5) Product Description: Supply, Installation, configuration, testing, commissioning, and maintenance of network rack - 12U
Technical specification:

range of product	President Enclosures
number of rack unit	12U
maximum mounting depth	450 mm
minimum mounting depth	50 mm
color	Grey
depth	600 mm
rack width	19"
height	624 mm
width	550 mm
permanent permissible load	40 kg static

6) Product Description: Installation, configuration, testing, commissioning, and maintenance OFC/CAT6 lease line from the server room to Rack location.

All the cables (OFC/CAT6) as per actual and recommendation from Vendor after the site visit.





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Appx 'B'

General Conditions and Instruction for Bidders

1. All items to be installed at IIM Nagpur, CIRT Pune campus.
2. IIMN at its discretion, can cancel this 'Invitation to Offer' either in full or part without assigning any reason whatsoever.
3. **Installation schedule:** All AV items will be installed within **15 days** on the issue of the purchase order with a one-week grace period at the discretion of the installer. Installation shall be considered complete when full quantities of all items are in fully functional condition, tested and commissioned at designated delivery location(s). Late installation is liable to be penalized at the rate of 1% of the total cost of installation order per day s.j. to maximum 15%. Further delay beyond 15 days from the scheduled installation date shall liable the order to be cancelled without further notice to the vendor.
4. Maintenance visits should be on a monthly basis. If any AV item fails, it must be resolved within 72hrs and a necessary backup arrangement will be provided on an urgent basis.
5. Bill should be submitted in duplicate on the complete execution of order duly certified by Institute's authorized representative in respect of the complete installation and making all the units fully functional.
6. **Payment schedule:** Payments will be made on receipt of complete tax invoice and installation of items in fully serviceable condition to the entire satisfaction of the institute representative.
7. Please submit Bank account details along with the bill for payments be NEFT / RTGS or mention the same in the bill [Pl. enclose a cancelled cheque in the bidder's name].
8. The bidder must quote PAN/ VAT No./ GST No. etc. on their quotation, without which the quotation will not be entertained. [Pl. enclose a current valid copy of the documents].
9. Legible copy of all documentary evidence for all supporting documents wherever required should be submitted with the quotation duly stamped and signed by the bidder.
10. The bid must submit at IIM Nagpur, Mihan Campus Nagpur along with all the pages of this 'Invitation to Offer' duly signed and stamped as a token of acceptance of the terms and conditions of this offer without which the offer shall be rejected.
11. Security deposit / performance guarantee is waved off.





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ANNEXURE – C
PARTICULARS OF BIDDER

Tender for Supply, installation, testing , commissioning and maintenance of network setup at IIM Nagpur, CIRT
Pune Campus

dated / /2022

IIMN/ICT/2021-22/07

1. Name of the bidder

(a) Trade Name (in Block letters)

(b) Status of the bidder

(Proprietorship/Partnership/LLP/Limited Co.)

(in Block letters)

(c) Name of Proprietor/Partners/CEO/Directors
(in Block letters)

2. Postal Address

3. Telephone No.

4. E-mail / Website address (if available)

5. Bank Draft No, date, Bank name and amount (if applicable)/MSME or NSIC Regn. No.

(a) Tender Fees

(b) EMD

(c) MSME/NSIC Regn. No. (if applicable)

(Enclose self-attested photocopy)





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6. Name of the Banker, Branch Name & address (in Block letters) (for e-payment purpose)

7. PAN (Enclose self-attested photocopy)

8. VAT No. (if applicable) (Enclose self-attested photocopy)

9. GST No. (if applicable) (Enclose self-attested photocopy)

10. Trade License/Business License/CIN (if applicable)
(Enclose self-attested photocopy)

11. Lab. Licence/EPF/ESIC Reg. No. (if applicable)
(Enclose self-attested photocopy)

12. Any other Relevant Information

(e.g. Number of Years of Experience in a similar line of business / Turnover for last Financial year)

I/We hereby declare and affirm that I/we have read and understood the terms and conditions of this tender/quotation/NIT as stipulated in the tender notice No: IIMN/ICT/2020-21/07 dated 18/02/2022 Accordingly, I/ we accept the terms and conditions and hereby offer the rates for Supply, installation, testing and commissioning of Network setup at IIM Nagpur CIRT Pune Campus

Name of the BIDDER

Official seal of BIDDER

Date

