



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

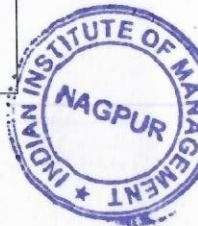
www.iimnagpur.ac.in

Invitation to Offer

Suppliers Address: Ph.No.: Email id :	Enquiry Ref. No. IIMN/ICT/2021-22/12	Date of Issue: 30/03/2022
	To reach us before: 20/04/2022 Up to 03.00 P.M at MIHAN campus	Offer Valid up to: 6 Months
	Date & time of opening of bid: 20 /04/2022 Up to 03.30 P.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 along with the integration of Internet leased line Make: Fortigate, Cisco, Sophos Technical details and product description as per Appx. 'A'	no	01			
2	Installation, configuration, testing, and commissioning of PoE Switch Make: Cisco Technical details and product description as per Appx. 'A'	no	04			
3	Installation, configuration, testing, and commissioning of Wi-Fi Access point through I/O port Make: Cisco Technical details and product description as per Appx. 'A'	no	06			





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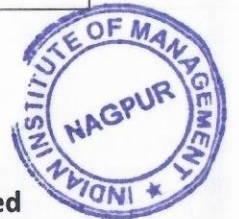
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4	Supply, installation, testing, commissioning, and maintenance of 12 I/O Ports - network points (LAN points) setup(APs I/O port not included) Technical details and product description as per Appx. 'A'	no	12			
5	Installation, configuration, testing, commissioning, and maintenance of network rack - 12U Technical details and product description as per Appx. 'A'	no	04			
6	Supply, Installation, configuration, testing, commissioning, and maintenance of OFC/CAT6 cable from the Server Room to the Gymnasium building rack location Technical details and product description as per Appx. 'A'	Meter				
7	Supply, Installation, configuration, testing, commissioning, and maintenance of OFC/CAT6 cable from the Server Room to the Seminar room rack location Technical details and product description as per Appx. 'A'	Meter				
8	Supply, Installation, configuration, testing, commissioning, and maintenance of OFC/CAT6 cable from the Gymnasium building rack to the Guesthouse rack location Technical details and product description as per Appx. 'A'	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. All the queries are to be sent to itoffice@iimnagpur.ac.in by 6th April 2022 and the site visit will be planned on 8th April 2022. 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.

Make & Model: Fortigate FG100F or equivalent in Cisco/Sophos

Quantity: 01 NOS

Technical Specification:

Description	
Model	Fortigate FG-100F
Interfaces and Modules	
Hardware Accelerated GE RJ45 Ports	12
Hardware Accelerated GE RJ45 Management/ HA/ DMZ Ports	1 / 2 / 1
Hardware Accelerated GE SFP Slots	4
Hardware Accelerated 10 GE SFP+ FortiLink Slots (default)	2
GE RJ45 WAN Ports	2
GE RJ45or SFP Shared Ports	4
USB Port	1
Console Port	1





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System Performance — Enterprise Traffic Mix	
IPS Throughput	2.6 Gbps
NGFW Throughput	1.6 Gbps
Threat Protection Throughput	1 Gbps
System Performance and Capacity	
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)	20 / 18 / 10 Gbps
Firewall Latency (64 bytes, UDP)	4.97 μ s
Firewall Throughput (Packet per Second)	15 Mpps
Concurrent Sessions (TCP)	1.5 Million
New Sessions/Second (TCP)	56,000
Firewall Policies	10,000
IPsec VPN Throughput (512 bytes)	11.5 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,500
Client-to-Gateway IPsec VPN Tunnels	16,000
SSL-VPN Throughput	1 Gbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	500





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2) Product Description: Installation, configuration, testing, and commissioning of PoE Switch. It will be made available by IIM Nagpur.

Make & Model: Cisco WS-C2960XR-24PS-I.

Quantity: 04

Technical Specification:

Product Code	WS-C2960XR-24PS-I
Uplink Interfaces	4 x 1G SFP
Ports	24 x 10/100/1000 (POE+)
Available PoE Power	370W
Forwarding Bandwidth	108Gbps
Maximum stacking number	8
Stack bandwidth	80G
Switching Bandwidth	216Gbps
Maximum active VLANs	1023
MAC Address Table Size	16K (default)
CPU	APM86392 600MHz dual-core
RAM	512 MB
Flash Memory	128 MB
Stack Modules	C2960X-STACK





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SSL Inspection Throughput (IPS, avg. HTTPS)	1 Gbps
SSL Inspection CPS (IPS, avg. HTTPS)	1,800
SSL Inspection Concurrent Session (IPS, avg. HTTPS)	135,000
Application Control Throughput (HTTP 64K)	2.2 Gbps
CAPWAP Throughput (HTTP 64K)	15 Gbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of FortiSwitches Supported	32
Maximum Number of FortiAPs (Total / Tunnel)	128 / 64
Maximum Number of FortiTokens	5,000
High Availability Configurations	Active / Active, Active / Passive, Clustering
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; IPv6





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3) Product Description: Installation, configuration, testing, and commissioning of the Access point. It will be made available by IIM Nagpur.

Make & Model: Cisco Air – AP28002I-D-K9

Quantity: 06

Technical Specification:

Product Code	AIR-AP2802I-D-K9
Frequency band and 20-MHz operating channels	D (D regulatory domain): - 2.412 to 2.462 GHz; 11 channels - 5.180 to 5.320 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels
Antenna	Internal Antenna
Features	- 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	- 2 x 100/1000BASE-T autosensing (RJ-45) , Management console port (RJ-45) - USB 2.0 (enabled via future software)
System memory	- 1024 MB DRAM, 256 MB flash
Dimensions (W x L x H)	8.66 x 8.68 x 2.17 in.
Net Weight	3.53 lb (1.6 kg)





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4) Product Description: Supply, installation, configuration, testing, commissioning, and maintenance of 12 I/O Ports- network points (LAN points) setup

Technical Details: Installation, testing, and commissioning of 12 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: Installation, configuration, testing, commissioning, and maintenance of network rack - 12U. It will be made available by IIM Nagpur.

Quantity: 04

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 cable from the Server Room to the Gymnasium building rack location via conduit pipe.

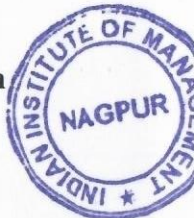
All the cables (OFC/CAT6) as per actual and recommendation from the Vendor after the site visit.

7) Product Description: Installation, configuration, testing, commissioning, and maintenance OFC/CAT6 cable from the Server Room to Seminar room rack location via conduit pipe.

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

8) Product Description: Installation, configuration, testing, commissioning, and maintenance OFC/CAT6 cable from the Gymnasium building rack to Guesthouse rack location via conduit pipe.

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





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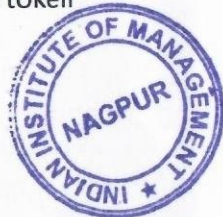
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Appx 'B'

General Conditions and Instruction for Bidders

- 1. All items are 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 network 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 a maximum of 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. AMC period is of one year, which could be extended for one or two more years as per satisfactory performance & mutual agreements of both parties.**
- 5. Maintenance visits should be on a monthly basis. If any network item fails, it must be resolved within 72hrs and a necessary backup arrangement will be provided on an urgent basis.**
- 6. Bill should be submitted in duplicate on the complete execution of order duly certified by the Institute's authorized representative in respect of the complete installation and making all the units fully functional.**
- 7. 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.
- 8. 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].**
- 9. 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].**
- 10. 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.**
- 11. 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.**
- 12. 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

IIMN/ICT/2021-22/12

dated / /2022

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 _____





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(c) MSME/NSIC Regn. No. (if applicable) _____
(Enclose self-attested photocopy)

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/2021-22/12 dated 30/03/2022 Accordingly, I/ we accept the terms and conditions and hereby offer the rates for Supply, installation, testing, commissioning and maintenance of network setup at IIM Nagpur, CIRT Pune Campus.

Date _____

Name of the BIDDER _____

Official seal of BIDDER _____



