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SUPREME COURT OF INDIA
ADMN. MATERIALS (P&S)

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F. No.33/Misc IT NIT/2024/SCI(AM)
Dated : 16th February, 2024

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NOTICE INVITING TENDER (RATE CONTRACT)
TOWARDS SUPPLY AND INSTALLATION OF MISCELLANEOUS
INFORMATION TECHNOLOGY (IT) RELATED ITEMS AND ACCESSORIES
ON REQUIREMENT BASIS FOR A PERIOD OF TWO YEARS

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1. **Online bids** are invited **from Delhi/NCR based dealers** on single stage **two bid system** for "Supply and installation of miscellaneous information technology (IT) related items and accessories on requirement basis for a period of two years". **Manual bids shall not be accepted. However, EMD is to be submitted in physical mode as per clause 7.**

2. **Document Download:** Tender documents may be downloaded from Supreme Court of India web site https://main.sci.gov.in/tender (for reference only) and CPPP eProcurement site https://eprocure.gov.in/eprocure/app as per the schedule as given in CRITICAL DATE SHEET as under.

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CRITICAL DATE SHEET

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Published Date	16.02.2024 at 11:00 hrs
Bid Document Download / Sale Start Date	16.02.2024 at 11:15 hrs
Clarification Start Date	17.02.2024 at 10:00 hrs
Clarification End Date	20.02.2024 at 17:00 hrs
Bid Submission Start Date	27.02.2024 at 11:45 hrs
Bid Submission End Date	11.03.2024 at 15:00 hrs
Bid Opening Date	12.03.2024 at 15:00 hrs

3.   Bid Submission:

Bids shall be submitted online only at CPPP eProcurement website: https://eprocure.gov.in/eprocure/app.
Bidders are advised to follow **"Instructions To Bidder for Online Bid Submission"** provided as **Annexure- 'C'**.

Bid documents may be scanned with **100 dpi with black and white option** which helps in reducing size of the scanned document.

4.   Not more than one tender shall be submitted by one contactor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

5.   Bidder who has downloaded the tender from the Supreme Court of India web site https://main.sci.gov.in/tender (for reference only) and Central Public Procurement Portal (CPPP) website https://eprocure.gov.in/eprocure/app shall not tamper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forefeited and tenderer is liable to be banned from doing business with the Registry.

6.   Intending Bidders are advised to regularly visit https://eprocure.gov.in/eprocure/app till the closing date of submission to keep themselves updated as any change/ modification in the tender will be intimated through this website only by corrigendum / addendum/ amendment. **No individual responses shall be communicated.**

7.   Applicant contractor must provide demand draft towards EMD of Rs. 10,000/- (Rupees Ten Thousand Only) for submitting the bid. The original EMD (DD) (to be purchased on or after publication date of this tender) must be submitted in a sealed envelope superscribing the title of this NIT, addressed to 'Additional Registrar, Admn. Materials Branch', at the Reception Counter No. 17 (R&I), Supreme Court of India well before the due date and time of bid submission (as mentioned on the Critical Date Sheet). MSME/Exemption Certificate must be of trading category for Misc IT Related IT items and peripherals otherwise Bid shall be rejected. The EMD amount of successful Tenderer shall be adjusted in the Performance Security. Earnest Money shall be refunded to unsuccessful tenderer after the contract has been finally awarded to the successful tenderer.
The tenderers are required to provide Demand Draft drawn in favour of ''The Registrar (Admn), Supreme Court of India". All the applicable bank charges shall be

borne by the applicant and he shall not have any claim what so ever on this account on the Registry. In case of re- tendering, the firms which has submitted the DD in earlier calls will be required to submit DD along with their tender/application in subsequent calls also. **Tender not accompanied with the EMD or MSME/ Exemption Certificate is liable to be rejected.**

8.   Each tenderer has to sign and submit the attached **Tender Acceptance Letter** as per **Annexure 'D'.**

9.   Submission of Tender

The tender shall be submitted online in   Two part, viz., technical bid and price bid.

All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

10.   Technical Bid
The following documents are to be furnished by the Contractor along with **Technical Bid** as per the tender document:

1. Signed and Scanned copy of **Earnest Money Deposit /EMD Exemption Certificates and Bid Checklist.**
2. Signed and Scanned copy of Certificates like Registration certificate, GST NO, PAN No, Service Tax registration, Trade Tax Regn, Financial details like Proof of Annual Turnover, Net Profit **(along with Annexure 'A')**

3. Signed and Scanned copy of **Similar works/supply carried out in the last three financial years**

4. Signed and Scanned Copy of **Tender Acceptance Letter (Annexure 'D')** and also **Letter of authorization** to submit bid, if bid is being submitted on behalf of company.

Price bid

(a) Price bid undertaking
(b) Schedule of price bid in the form of BOQ_MISCIT_NIT.xls

PRICE BID UNDERTAKING

From: (Full name and address of the Bidder)   _____

                                                    _____

To,   _____

Dear Sir/Madam,

1.   I submit the Price Bid for_____
        and related activities as envisaged in the Bid document.

2.   I have thoroughly examined and understood all the terms and conditions as
        contained in the Bid document, and agree to abide by them.

3.   I offer to work at the rates as indicated in the price Bid, **Annexure 'B'** '**inclusive'** of
all applicable taxes.

                                                Yours Faithfully,

                                      Signature of authorized Representative:

                                                        _____

<u>SCHEDULE OF PRICE BID IN THE FORM OF CPPP_ BOQ_MISCIT_NIT.xls</u>

The below mentioned Financial Proposal/Commercial bid format is provided as BOQ_MISCIT_NIT.xls along with this tender document at https://eprocure.gov.in/eprocure/app. Bidders are advised to download this BOQ_MISCIT_NIT.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner**. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forefeited and tenderer is liable to be banned from doing business with the Registry.

Sl. No.	DESCRIPTION	(To be filled in by Bidder)
i.	UNIT RATE inclusive of GST In Figures To be entered by the Bidder in Rs.	in figures or words ....… Firm Net Price (INR)
ii.	Price Quoted for which company from Make and model list strictly from Column no. 5	In words

1. The rates shall be quoted in Indian Rupee only.

2. The rates will be **inclusive of all taxes**, fees, levies, etc.

3. In case of any discrepancy/difference in the amounts indicated in figures and words the amount in words will prevail and will be considered.

4. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.

5. The Supreme Court of India has the absolute right to accept or reject any or all offers, adjourn, postpone or cancel the tender. In case a single bid is received for the tender, it will be deemed to be a case of lack of competition. In this regard, decision of Supreme Court of India shall be final.

<u>TERMS AND CONDITIONS FOR SUCCESSFUL TENDERER</u>

11. The successful tenderer shall have to deposit performance security @5% of total amount of the Purchase Order determined on basis of approved quantity mentioned in Financial Bid Sheet;

The above-mentioned Performance Security/Securities are to be deposited by way of Bank Guarantee drawn in favour of "The Registrar (Admn.), Supreme Court of India, within one week from the receipt of contract order by the successful tenderers. The Bank Guarantee / Demand Draft which will be refunded after two months of the successful completion of the contractual period or payment of the last bill, whichever is later.

12. The items supplied will be inspected by Technical Inspection Committee comprising of Senior Officers of the Registry and in case the final supply is not found in conformity with the approved specifications, the same will be liable to be rejected and entire supply will have to be replaced with the quality exactly commensurate with the approved specifications at the cost of the tenderer. The decision of the Committee in this regard shall be final.

13. Time is the essence of the tender. The supply of the item as per the required specifications shall be required to be made immediately in the Registry (F.O.R. Destination) on receipt of Purchase Order; otherwise the Security Deposit may be forfeited along with any other action as may be deemed appropriate by the Registry. Non-availability of items shall not be accepted as a ground for delay in supply and shall equally be penalised.

14. The payment will be made only after full supply is received, accepted as per approved specifications and on the satisfactory report received from the Computer Cell. No part payment or advance payment will be made.

15. The successful tenderer will have to abide by the terms and conditions as may be fixed from time to time by the Registry.

16. The successful tenderer is required to quote their lowest rates which should be valid for a period of two years from the date of awarding Contract.

17. Execution of the supply is to be done very expeditiously but not later than three days and in emergency the supply has to be executed on the same day itself.

18. The supply of Misc IT items as per Tender documents shall be required to be made within the stipulated time on conveyance of Purchase Order and in case supply is not made within the stipulated time and the Registry is forced to make short purchase to meet the emergent demand, the tenderer will be liable to make good the loss due to difference which the Registry may directly deduct from Bill/Security Deposit.

19. Even after awarding the rate Contract, the Registry reserves the right to terminate the same at any time, if the services of the tenderer are not found satisfactory.

PENALTIES

20. In case the supply is not made within the stipulated time/period and the Registry is required to purchase/take the services from outside by hiring any other vendor/agency to meet the urgent demand, the tenderer will be liable to make the loss, if any, sustained by the Registry due to difference which the Registry may directly deduct from Bill/Security Deposit. Non-availability of man power, vehicle etc. shall not be accepted as a ground for delay in shifting etc and shall equally be penalized.

21. Irrespective of the fact as to whether or not the Registry makes shifting work from outside, the Registry may impose penalty up to **1% per day subject to maximum of 10%** of total cost of delayed shifting (in every case), or of forfeiting the performance security if the delay in services is due to willful laches or negligence on the part of the tenderer irrespective of inconvenience caused to the Registry.

22. The Security Deposit shall stand forfeited in case of breach of any of the conditions mentioned herein or if the service is found unsatisfactory/not as per specifications.

Sd/-

(Anil Kumar Sharma)
Additional Registrar (AM)

<u>CHECK LIST OF DOCUMENTS TO BE SUBMITTED.</u>

BID CHECKLIST

Bidder is required to fill-up this checklist and enclose **along with the envelope containing the Earnest Money.**

Sl.	Item Description	Yes/No	Bid Reference
1.	Earnest Money / Exemption Enclosed		
2.	General Proforma – Annexure A		
3.	Financial Bid – Annexure B		
4.	Tender Acceptance Letter – Annexure D		
5.	Letter of authorization to submit bid.		

F. No.33/Misc IT NIT/2024/SCI(AM)
Dated : February, 2024

**NOTICE INVITING TENDER (RATE CONTRACT)
TOWARDS SUPPLY AND INSTALLATION OF MISCELLANEOUS
INFORMATION TECHNOLOGY (IT) RELATED ITEMS AND ACCESSORIES
ON REQUIREMENT BASIS FOR A PERIOD OF TWO YEARS**

(Proforma to be filled by the Tenderer)

1. Name of the Tenderer : _____
    with Delhi/NCR Address
2. Name of the Contact Person
    with Telephone/Mobile No./
    Fax No./E-Mail ID : _____

3 PAN No. : _____(Attach Proof)

4. GST Registration No. : _____(Attach Proof)

5. Whether all the terms & conditions
    of NIT are acceptable : Yes/No : _____

6. Delivery Schedule : _____

7. Name & address of the Govt. Offices etc.
of which the tenderer is having the contract
with name of contact person and
his telephone/mobile number: _____

8. Details of previous experience
in the field & infrastructure of the Company: _____

9. Whether EMD is submitted or
Certificate for its exemption is enclosed: _____

Dated: Signature
Place: (Name of firm with stamp)

F. No.33/Misc IT NIT/2024/SCI(AM)
Dated : February, 2024

Financial Bid

SCHEDULE OF PRICE BID IN THE FORM OF CPPP_BOQ_MISC IT ITEMS.xls

The below mentioned Financial Proposal/Commercial bid format is provided as **CPPP_BOQ_MISC_IT_ITEMS**.xls along with this tender document at https://eprocure.gov.in/eprocure/app. Bidders are advised to download this **CPPP_BOQ_MISC_IT_ITEMS**.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner**. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forefeited and tenderer is liable to be banned from doing business with the Registry:-

Sr. No	Item	Technical Specifications or Equivalent or Higher Specs	Make and Model	Approximate Quantity	UNIT RATE inclusive of GST In Figures To be entered by the Bidder in Rs. P	Price Quoted for which company from Make and model list
1	AntiVirus	1 Pack containing 10-User License Keys Total Security – Latest version	Quickheal /McAfee/Norton	10 packs		
2	128 GB Pen Drives	3.0 USB compatible	Kingston/ Sandisk/ HP	50 units		
3	64 GB Pendrive	3.0 USB compatible	Kingston/HP/Sandisk	50 units		
4	32 GB Pendrive	3.0 USB compatible	Kingston/HP/ Sandisk	50 units		
5	16 GB Pendrive	3.0 USB compatible	Kingston/ HP/Sandisk	50 units		
6	Wireless Keyboard and Mouse Combo	With Rupee Symbol (compatible with windows and ubuntu)	Logitech/HP/Dell	30 units		
7	Wireless Mouse	Bluetooth Wireless mouse	Logitech/ HP/ Dell	10 units		
8	Wireless Keyboard	Bluetooth Wireless keyboard	Logitech/HP/Dell	10 units		
9	Wired Keyboard (USB)	With Rupee Symbol (compatible with windows and ubuntu)	Logitech, HP, Dell	20 units		
10	Wired Mouse (USB)	USB wired mouse	Logitech, HP, Dell	20 units		

Sr. No	Item	Technical Specifications or Equivalent or Higher Specs	Make and Model	Approximate Quantity	UNIT RATE inclusive of GST In Figures To be entered by the Bidder in Rs. P	Price Quoted for which company from Make and model list
11	1 TB External Hard Disk Drive with Cable	3.0 USB compatible (compatible with windows and ubuntu)	WD / Seagate /Toshiba	30 units		
12	2 TB External Hard Disk Drive with Cable	3.0 USB compatible (compatible with windows and ubuntu)	WD / Seagate /Toshiba	20 units		
13	4 TB External Hard Disk	3.0 USB compatible (compatible with windows and ubuntu)	WD / Seagate /Toshiba	10 units		
14	4.7 GB DVD	With Hard Cover	Sony/ HP/ Samsung	10 units		
15	8.5 GB DVD	With Hard Cover	Sony/ HP/ Samsung	10 units		
16	HDMI to HDMI Cable	3 Meter, High Speed HDMI 4K CABLES – Supports 3D, 4K 60Hz, Audio Return	Ravtron/Honeywell/Belkin/Amkette	30 units		
17	HDMI to HDMI Cable	5 Meter, High Speed HDMI 4K CABLES – Supports 3D, 4K 60Hz, Audio Return	Ravtron/Honeywell/Belkin/Amkette	30 units		
18	HDMI to HDMI Cable	10 Meter, High Speed HDMI 4K	Ravtron/Honeywell/Belkin/Amkette	30 units		

		CABLES – Supports 3D, 4K 60Hz, Audio Return				
19	HDMI to HDMI Cable	15 Meter, High Speed HDMI 4K CABLES – Supports 3D, 4K 60Hz, Audio Return	Ravtron/Honeywell/Belkin/Amkette	30 units		
20	HDMI to HDMI Cable	20 Meter, High Speed HDMI 4K CABLES – Supports 3D, 4K 60Hz, Audio Return	Ravtron/Honeywell/Belkin/Amkette	30 units		
21	External DVD Writer	USB 3.0 interface (up to 480Mbits/s,) Max 8x DVD +/- R Write Speed Max 24x CD Write Speed	Samsung/LG/Dell/Hitachi	5 units		
22	HDMI to VGA Cable	3 Meter	BlueRigger/Benfei/Belkin	10 units		
23	HDMI to VGA Cable	5 Meter	BlueRigger/Benfei/Belkin	10 units		
24	HDMI to VGA Cable	10 Meter	BlueRigger/Benfei/Belkin	10 units		
25	VGA-M to HDMI-F Converter	Standard Size	Ravtron/HP/Ugreen/cadyce	20 units		
26	VGA-F to HDMI-M Converter	Standard Size	Ravtron/HP/Ugreen/cadyce	20 units		
27	Display port-M to VGA-F Converter	Standard Size	Ravtron/HP/Ugreen/cadyce	30 units		
28	USB Extension Cable	2 Meter	BlueRigger/Ugreen/Ainope/Cable Creation	05 units		
29	USB Extension Cable	5 Meter	BlueRigger/Ugreen/Ainope/Cable Creation	5 units		
30	USB Extension Cable	10 Meter	BlueRigger/Ugreen/Ainope/Cable Creation	5 units		
31	Printer Cable	2 Meter, Printer Port to USB	Ugreen/Lapcare/Ainope	10 units		

32	Printer Cable	5 Meter,Printer Port to USB	Ugreen/Lapcare/Ainope	10 units		
33	KVM Switch	8 Port USB/PS2 Combo 8-Port PS/2-USB VGA KVM Switch	D-Link/ Aten/Targus/IOGear	02 units		
34	KVM Switch	16 Port USB/PS2 Combo 16-Port PS/2-USB VGA KVM Switch	D-Link/ Aten/Targus/IOGear	01 unit		
35	Laser Pointer	(presentation pointer) High beam powered, wavelength 512 nm to 650 nm (532 nm Green)	Logitech R800/Kensington/Infiniter	05 units		
36	Power Adapter For wifi D-Link router and Netgear	Input 50/60 Hz, 0.3A, Output 12V-0.6A	D-link/Netgear/TP-Link	10 units		
37	Power Adapter For wifi D-Link router and Netgear	12V 1A AC Adapter for Router / Modem / Swtich / ADSL	D-link/Netgear/TP-Link	10 units		
38	FC Hard Disk	FC Disk, SAS Protocol, 10,000 RPM (4 TB), MEDIA Type Magnetic	WD/Seagate/ Fujitsu/ Hitachi	5 units		
39	Type-C to HDMI cable	2 Meter length Ultra HD resolution up to 4Kx2K @60Hz HDMI 2.0, HDCP 1.4 and HDCP 2.2 Compliant	Ravtron/Honeywell/Belkin/Ugreen	10 units		
40	FC Hard Disk	FC Disk, SAS Protocol, 10,000 RPM (1.8 TB), MEDIA Type Magnetic	Seagate/ Fujitsu/ Hitachi/WD	5 units		
41	Head Phone	*Super Bass Wireless	MI /*Dragon/JBL/*Sony	20 units		

		Headphones with Super Powerful Bass, Up to 20 hours Battery Life, Bluetooth 5.0 (Black or Red) *Inbuit Mic * noise cancellation * On Ear Headphones				
42	Headset	3.5 mm wired Headset or any other similar model Cable length: Minimum 1 meter Ear Placement: Over the Ear Control Type: Noise control	Boat/JBL/ Sony	10 units		
43	Headset	USB corded headset Ear Placement: Over the Ear Control Type: Noise control	Logitech/Sony/JBL	20 units		
44	USB HUB (USB Splitter) 3.0	USB HUB 3.0, 4 ports	Ravtron/Lapcare/Amkette	10 units		
45	Type-C to USB Splitter 3.0	Type-C to USB 3.0, 4 ports	Ravtron/Lapcare/Amkette	10 units		
46	HP AIO 400G non-touch PC power adapter	For HP All-in-One System LAPGRADE 18.5V 3.5A Adapter Charger for HP Compaq 510 520 530 540 550 620 625 CQ515 Series (Without Power Cable)	HP original(OEM) **(Proprietary)**	20 units		
47	Power Cables	Universal power cable UPort 1.8 Meter 3 Pin Laptop Power Cable Cord Universal AC	Uport/Fedus/proprietary	20 units		

		Replacement Power Cord for Laptop (Black)				
48	HDMI SPLITTER HD 1X8	Microware 1080P 8 Way HDMI Splitter 8 Port HD Hub 3D 1X8 HDMI Video Splitter 1 in 8 Out for HDMI TV, PC DVD Player PS3	Orei/Ravtron/Ugreen	20 units		
49	HDMI SPLITTER HD 1X4	A 1x4 HDMI Splitter - 1 Port to 4K HDMI Display Duplicate/Mirror - Powered Splitter Ver 1.4 Certified for Full HD 1080P High Resolution & 3D Support (One Input to Four Outputs) - HD-104 Black	Orei/Ravtron/Ugreen	20 units		
50	Apple Magic Keyboard	Apple Magic Keyboard with Numeric Keypad - US English - Silver	Apple **(Proprietary)**	20 units		
51	Apple Magic Mouse	Apple Magic Mouse (for Bluetooth-Enabled Mac with OS X 10.11 or Later, iPad with iPadOS 13.4 or Later)	Apple **(Proprietary)**	20 units		
52	Apple Pencil	Apple Pencil 2nd Generation	Apple **(Proprietary)**	20 units		
53	Apple USB-C Charge Cable (1m)	Apple USB-C to lightning Charge Cable (1m)	Apple **(Proprietary)**	10 units		
54	Apple USB-C Charge Cable (2m)	Apple USB-C to lightning Charge Cable (2m)	Apple **(Proprietary)**	10 units		
55	Apple 67W USB-C Power Adapter	Apple 67W USB-C Power Adapter	Apple **(Proprietary)**	5 units		
56	Apple 30W	Apple 30W USB-C	Apple	5 units		

		USB-C Power Adapter	Power Adapter	(Proprietary)			
57	Apple 20W USB-C Power Adapter	Apple 20W USB-C Power Adapter	Apple (Proprietary) 1	5 units		
58	Apple Lightning Digital AV adapter	Apple Lightning Digital AV adapter	Apple (Proprietary)	10 units		
59	Apple USB-C to SD Card Reader	Apple USB-C to SD Card Reader	Apple (Proprietary)	5 units		
60	Apple Lightning to SD Card Camera Reader	Apple Lightning to SD Card Camera Reader	Apple (Proprietary)	5 units		
61	Apple Lightning to SD Card Camera Adapter	Apple Lightning to SD Card Camera Adapter	Apple (Proprietary)	5 units		
62	USB-C to MagSafe 3 Cable (2m)	USB-C to MagSafe 3 Cable Length: 2 meter charge cable	Apple (Proprietary)	5 units		
63	DP To DP Cable	10 meter length (Any Reputed brand/Good Quality)	BENFEI /IVANKY	10 units		
64	CD/DVD Folder case	CD/DVD Case Wallet VCD Storage Holder Booklet Album Box Binder(PU Black) Capacity: 100 Discs	any good quality brand	10 units		
65	CD/DVD Folder Case	CD/DVD Case Wallet VCD Storage Holder Booklet Album Box Binder(PU Black) Capacity: 40 Discs	any good quality brand	10 units		
66	Video Capture	Video Loop out Mic loot out	INOGENI/ Magewell	20 units		

	Device with Mic loop	resolution- 4K				
67	Aux Cable	Any Reputed brand/Good Quality	BOAT AUX CABLE	10 units		
68	Ethernet port Splitter	8 LAN ports Connector Type: Ethernet	D-Link/TP-Link/Netgear	20 units		
69	USB-C-VGA MultiPort Adapter	-Connections: USB 3.1 Gen 1, USB-CVGA -Supports both video and audio output	Apple **(Proprietary)**	20 units		
70	USB-C to HDMI-F connector	-USB Type C port to HDMI Adapter -Support 4K	Ravtron/Belkin/Honeywell/Amkette	20 units		
71	Windows Operating Systems Software	Microsoft Windows OS Latest Version lifetime single user	Microsoft **(Proprietary)**	80 units		
72	MS Office 365	Ms Office 365 family (6 user) for Windows and Mac OS	Microsoft **(Proprietary)**	25 units		
73	Adobe Acrobat Professional Standard DC	Adobe Acrobat Professional Standard DC (Latest version) for Windows and MAC	Adobe **(Proprietary)**	20 units		
74	Adobe InDesign software	Professional Desktop publishing software	Adobe **(Proprietary)**	20 units		
75	Ms-Office	Home and Student (Lifetime)	Microsoft **(Proprietary)**	20 units		
76	MS Office	Ms Office Business standard	Microsoft **(Proprietary)**	20 units		
77	HDMI Switcher	2 - 4-Channel Live Stream HDMI Switcher 3 - HDMI output for a projector or external monitor 4 - USB	Kramer/Crestron/Zettaguard/ CableMatters	20 units		

		Type-C output for streaming up to 1080p60 video to a computer 5 - RJ45 10/100 Ethernet port for system management, remote control				
78	HDMI Wireless Connectors	*Wireless HDMI Transmitter and Receiver 2x1 manual or auto-switching, QuickSwitch HD technology *Wireless HDMI Transmitter and Receiver Kit	Barco/IOGEAR/Orei/Hagibis/	20 units		
79	TX RX device	-400ft Transmission Range between TX and RX(LOS) -300 ft Transmission Range between TX and APP(LOS) -Integrated Cold Shoe for Quick Installation - Transmission latency is Less than 0.1s -SDI Input & HDMI Input at TX -SDI Output & HDMI Output at RX -Supports DC Power Supply, USB Type-C Power Supply and Battery Power Supply -1 Transmitter Supports 2 Receiver(1 Transmitter Supports 1 Receiver	Kramer/ Crestron	20 units		

		and 2 APPs Monitoring, or 1 Transmitter Supports up to 4 APPs Monitoring Without Receiver) - Supports Smart Channel Selection -Supports APP Firmware Upgrade -Direct Data Stream from RX for Live Streaming				
80	Tripod Stand	For Camera, Mobile Phones and laptops	Bosch/Hiffin/*Digiteck*	3 units		
81	Apple Power Adapter Extension Cable	1.8m Length Power Adapter Extension Cable	Apple **(Proprietary)**	10 units		
82	Web Camera	-Resolution:720p/ 30fps Camera - megapixel: 1.2 or more -Focus type: fixed focus, -Compatible with Apple, Windows OS and Ubuntu	Logitech/ Microsoft/HP	20 units		
83	QR Code Reader	Connectivity Technology RS232, USB Cable, QR/Barcode Reader *handheld	Zebra/Irvine/iball	20 units		
84	Wifi Router	1 Gbps or above, Dual band	TP-Link/Netgear	100 units		
85	**Network Switches Layer 2, manageable 24 Port** Switch with POE + 10/100/1000 Mbps with 4 SFP+ Uplink ports and slot for stacking	● Shall be 19" Rack Mountable (including mounting brackets). The switch shall be non-blocking in architecture and should support additional power supply with fan module.	HP/Cisco/Extreme	10 units		

	with support for 40Gbps or better stacking	• 24 RJ-45 autosensing 10/100/1000 PoE+ ports with 4 additional SFP+ Ports • 1 serial console port with console cable • Shall have switching minimum capacity of 128 Gbps for providing non-blocking performance on all Gigabit ports. • Shall have minimum 95 million pps switching throughput to achieve wire-speed forwarding on all Gigabit ports. • Switch should have at least 2 stacking ports and 2 uplink ports. • Shall support 802.3ad (LACP) with upto 4 ports supported in 6 groups. • IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w • Rapid Spanning Tree Protocol and IEEE 802.1s • Multiple Spanning Tree Protocol, IEEE 802.3ad Link • Aggregation				

		Control Protocol (LACP) ● Switch should have 1 GB DRAM ● Switch should support 1 GB Flash ● Shall support minimum 4000 VLAN and 512 active ● VLAN or IEEE 802.1Q-based VLANs ● Support for minimum 16k MAC addresses ● Should support MACsec/ IEEE.802.1AE ● Shall support marking, policing, and shaping with upto 4 queues / port ● Should support IGMP v1, v2 and v3 for multicast applications ● Should have minimum 4 hardware-based queues per port. ● Should support for IPv6 features like Neighbor discovery, Syslog, Telnet, SSH, Web GUI, SNMP, NTP, DNS, DHCP, RADIUS over IPv6 Should also have support for ipv6 security like RA guard, DHCPv6 guard, IPv6 DHCP				

		snooping / RFC 6620, ICMP v6, path MTU discovery for IPv6, IPv6 Source Guard from day 1 ● Configuration through the CLI, console, Telnet, SSH and Web Management ● Switch should support on-line software reconfiguration to implement changes without rebooting. Any changes in the configuration of switches related to Layer-2 functions, VLAN, STP, Security, and QoS should not require rebooting of the switch. ● SNMPv1, v2, and v3 and Remote monitoring (RMON) support ● Should be compatible for appropriate number of SDN License from day 1 ● Flash Power: Input 100-240VAC, 50/60Hz. ● Operating Temperature: 0℃ to 45℃ ● Should have compliance for				

		EAL/ NDPP/ Common Criteria security related function				
86	**Network Switch Layer 2, Manageable 48 Port** Switch with POE+ 10/100/1000, Mbps with 4 SFP+ Uplink ports and slot for stacking with support for 40Gbps or better stacking	● Shall be 19" Rack Mountable (including mounting brackets). The switch shall be non-blocking in architecture and should support (inbuilt/external) redundant power supply with necessary fan module. ● 48 RJ-45 autosensing 10/100/1000 ports PoE+ ports with 4 additional SFP+ 1/10 Gbps Uplink ports ● 1 serial console port with console cable ● Shall have minimum switching capacity of 176 Gbps for providing non-blocking performance on all Gigabit ports ● Switch should have atleast 2 stacking ports and 2 uplink ports. ● Shall support 802.3ad (LACP) with upto 4 ports supported in 6 groups ● IEEE 802.1D	HP/Cisco/ Extreme	10 units		

		Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol and IEEE 802.1s Multiple Spanning Tree Protocol, IEEE 802.3ad Link Aggregation Control Protocol (LACP)				
		• Shall support minimum 4000 VLAN ID and 512 active VLAN or IEEE 802.1Q-based VLANs				
		• Support for minimum 16k MAC addresses				
		• Should support MACsec/ IEEE.802.1AE				
		• Switch should have min. 1 GB DRAM				
		• Switch should support 1 GB Flash				
		• Shall support marking, policing, and shaping with upto 4 queues / port				
		• Should support IGMP v1, v2 and v3 for multicast applications				
		• Should support for IPv6 features like Neighbor discovery, Syslog, Telnet, SSH, Web GUI, SNMP, NTP, DNS, DHCP, RADIUS				

		over IPv6. Should also have support for ipv6 security like RA guard, DHCPv6 guard, IPv6 DHCP snooping / RFC 6620, ICMP v6, path MTU discovery for IPv6, IPv6 Source Guard from day 1.				
		● Should have minimum 4 hardware-based queues per port				
		● Configuration through the CLI, console, Telnet, SSH and Web Management				
		● Switch should support on-line software reconfiguration to implement changes without rebooting. Any changes in the configuration of switches related to Layer-2 functions, VLAN, STP, Security, and QoS should no require rebooting of the switch.				
		● SNMPv1, v2, and v3 and Remote monitoring (RMON) support				
		● Power: Input 100-240VAC, 50/60Hz				
		● Operating Temperature: 0 ℃				

		to 45℃				
		● Should have compliance for EAL/ NDPP/ Common Criteria security related function				
87	**Network Switches Layer 3, Manageable 24 Port** Switch with POE+ 10/100/1000 Mbps with at least 4 SFP+ Uplink ports and slot for stacking with support for 40Gbps or better stacking	● Shall be 19" Rack Mountable (including mounting brackets). The switch shall be non-blocking in architecture and should support (inbuilt/external) redundant power supply with necessary fan module ● Switch should have 24 10/100/1000BASE-T ports, and 4 additional SFP+ 1/10 Gbps Uplink ports ● Shall have minimum switching capacity of 128 Gbps for providing non-blocking performance on all Gigabit ports ● Shall have minimum 95 million pps switching throughput to achieve wire-speed forwarding on all Gigabit ports ● Switch should have at least 2	HP/Cisco/ Extreme	10 units		

		stacking ports and 2 uplink ports.				
		• Switch should have 16k Mac address				
		• Should support MACsec/ IEEE.802.1AE				
		• Switch should have 4000 VLAN ID and 512 Active VLAN or IEEE 802.1Q – based VLANs				
		• Switch should have 1 GB DRAM				
		• Switch should support 1 GB Flash				
		• Should have minimum 8 hardware-based queues per port				
		• Switch should support IEEE Standards of Ethernet: IEEE 802.1d, 802.1s, 802.1w, 802.3ad, 802.3x, 802.1D, 802.1p, 802.1Q, 802.3u, 802.3ab, 802.3z, 1000BASE-T, 1000BASE-X (mini-GBIC/SFP), 1000BASE-SX,1000BASE-LX/LH, 10GBASE-SR SFP+, 10GBASE-LR SFP+ & 10GBASE-X SFP+ Direct Attach				
		• Switch should				

		support min. of 8K IP routes. Switch should be capable of Layer 3 features like RIP, OSPF, VRRP, ECMP, PIM-SM, should support policy-based routing				
		• Switch should have secure management via IPv4 or IPv6 through features such as Secure Shell (SSHv1/2), Secure Sockets Layer (SSL), Simple Network Management Protocol (SNMPv1,2,3).				
		• Should support IGMP v1, v2 and v3 for multicast applications. MLD v1, v2 or equivalent.				
		• Should support for IPv6 features like Neighbor discovery, Syslog, Telnet, SSH, Web GUI, SNMP, NTP, DNS, DHCP, RADIUS over IPv6. Should also have support for ipv6 security like RA guard, DHCPv6 guard, IPv6 DHCP snooping / RFC 6620, ICMP v6, path MTU discovery for IPv6, IPv6 Source				

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		Guard from day 1.				
		• Switch should support on-line software reconfiguration to implement changes without rebooting. Any changes in the configuration of switches related to Layer-2 & 3 functions, VLAN, STP, Security, and QoS should not require rebooting of the switch.				
		• It shall support IEEE 802.1AB Link Layer Discovery Protocol (LLDP) & support IEEE 802.1p traffic prioritization delivering data to devices based on the priority and type of traffic & strict priority queuing or high strict priority queue				
		• Power: Input 100-240VAC, 50/60Hz				
		• Operating Temperature: 0℃ to 45℃				
		• Should have compliance for EAL/ NDPP/ Common Criteria security related function				

| 88 | **Network Switches Layer 3, Manageable 48 Port** Switch with POE+ 10/100/1000 Mbps with at least 4 SFP+ Uplink ports and slot for stacking with support for 40Gbps or better stacking | • Shall be 19" Rack Mountable (including mounting brackets). The switch shall be non-blocking in architecture and should support (inbuilt/external) redundant power supply with necessary fan module
• Switch should have 48 10/100/1000BASE-T ports, and 4 additional SFP+ 1/10 Gbps Uplink ports
• Shall have minimum switching capacity of 176 Gbps for providing non-blocking performance on all Gigabit ports
• Shall have minimum 130 million pps switching throughput to achieve wire-speed forwarding on all Gigabit ports
• Shall have minimum 130 million pps switching throughput to achieve wire-speed forwarding on all Gigabit | HP/Cisco/ Extreme | 10 units | | |

		ports				
		• Switch should have at least 2 stacking ports and 2 uplink ports.				
		• Switch should have 16k Mac address				
		• Should support MACsec/ IEEE.802.1AE				
		• Switch should have 4000 VLAN ID and 512 Active VLAN or IEEE 802.1Q – based VLANs				
		• Switch should have 1 GB DRAM				
		• Switch should support 1 GB Flash				
		• Should have minimum 8 hardware-based queues per port				
		• Switch should support IEEE Standards of Ethernet:				
		• IEEE 802.1d, 802.1s, 802.1w, 802.3ad, 802.3x, 802.1D,802.1p, 802.1Q, 802.3u, 802.3ab, 802.3z, 1000BASE-T, 1000BASE-X (mini-GBIC/SFP), 1000BASE-SX, 1000BASE-LX/LH, 10GBASE-SR SFP+, 10GBASE-LR SFP+ & 10GBASE-X SFP+ Direct				

		Attach • Switch should support min. of 8K IP routes. Switch should be capable of Layer 3 features like RIP, OSPF, VRRP, ECMP, PIM-SM, should support policy-based routing • Switch should have provisioning/support internal/external redundant power supply and cooling • Switch should have secure management via IPv4 or IPv6 through features such as Secure Shell (SSHv1/2), Secure Sockets Layer (SSL), Simple Network Management Protocol (SNMPv1,2,3). • Should support IGMP v1, v2 and v3 for multicast applications. MLD v1, v2 or equivalent. • Should support for IPv6 features like Neighbor discovery, Syslog, Telnet, SSH, Web GUI, SNMP, NTP, DNS, DHCP, RADIUS over IPv6. Should				

		also have support for ipv6 security like RA guard, DHCPv6 guard, IPv6 DHCP snooping / RFC 6620, ICMP v6, path MTU discovery for IPv6, IPv6 Source Guard from day 1. ● Switch should support on-line software reconfiguration to implement changes without rebooting. Any changes in the configuration of switches related to Layer-2 & 3 functions, VLAN, STP, Security, and QoS should not require rebooting of the switch. ● It shall support IEEE 802.1AB Link Layer Discovery Protocol (LLDP) & support IEEE 802.1p traffic prioritization delivering data to devices based on the priority and type of traffic & strict priority queuing or high strict priority queue ● Power: Input 100-240VAC, 50/60Hz				

		• Operating Temperature: 0 ℃ to 45 ℃ • Should have compliance for EAL/ NDPP/ Common Criteria security related function.				
89	Network Rack	6 U , Wall mount/ Street Cabinet enclosure, lockable	Server Rack, Metal, Any Good Quality Brand	05 units		
90	Network Rack	9 U, Wall mount/ Street Cabinet enclosure, lockable	Server Rack, Metal, Good Quality Brand	05 units		
91	Network Rack	12 U, Wall mount/ Street Cabinet enclosure, lockable	Server Rack, Metal, Good Quality Brand	05 units		
92	Patch Cord STP CAT 6	Should confirm or exceed the ANSI/TIA 568 C.2-1 or latest standards for CAT 6 LSZH, Factory molded boots on RJ 45 plugs at both ends, UL/ETL listed & verified, Option for colour – Grey, Blue, Red & Green & cross over cable.	D-link			
		Length - 1mtrs		20 units		
93	Patch Cord STP CAT 6	Should confirm or exceed the ANSI/TIA 568 C.2-1 or latest standards for CAT 6 LSZH, Factory molded boots on RJ 45 plugs at both ends, UL/ETL listed & verified, Option for	D-link			

		colour – Grey, Blue, Red & Green & cross over cable.				
		Length – 2mtrs		20 units		
94	Optical Fibre Patch Cord, SM, SC-SC	Patch cord with LSZH jacket, with factory mount ceramic connector at both end Fiber: SM E9/125 G.652.D (OS2). Cable overall diameter 1.6mm to 2mm, SC connector acc. to IEC 61754-20	D-link			
		Length - 3m		20 units		
95	Optical Fibre Patch Cord, SM, SC-SC	Patch cord with LSZH jacket, with factory mount ceramic connector at both end Fiber: SM E9/125 G.652.D (OS2). Cable overall diameter 1.6mm to 2mm, SC connector acc. to IEC 61754-20	D-link			
		Length – 10m		20 units		
96	Optical Fibre Patch Cord, SM, LC-LC	Patch cord with LSZH jacket, with factory mount ceramic connector at both end Fiber: SM E9/125 G.652.D (OS2). Cable overall diameter 1.6mm to 2mm, LC connector acc. to IEC 61754-20	D-link			
		Length - 3m		20 units		

97	Optical Fibre Patch Cord, SM, LC-LC	Patch cord with LSZH jacket, with factory mount ceramic connector at both end Fiber: SM E9/125 G.652.D (OS2). Cable overall diameter 1.6mm to 2mm, LC connector acc. to IEC 61754-20				
		Length – 10m		20 units		
98	Optical Fibre Patch Cord, SM, SC-LC	Patch cord with LSZH Jacket, with factory mount ceramic connector at both end Fiber: SM E9/125 G.652.D (OS2). Cable overall diameter 1.6mm to 2mm, SC - LC connector acc. to IEC 61754-20	D-link			
		Length - 3m		20 units		
99	Optical Fibre Patch Cord, SM, SC-LC	Patch cord with LSZH Jacket, with factory mount ceramic connector at both end Fiber: SM E9/125 G.652.D (OS2). Cable overall diameter 1.6mm to 2mm, SC - LC connector acc. to IEC 61754-20				
		Length – 10m		20 units		
100	Optical Fiber Patch Cord, MM, SC-SC, OM-4	Patch cord with LSZH jacket, overall diameter 1.6mm to 2mm, multimode G50 50/125 μm (OM4), bend optimized. Mounted on both	D-link			

		sides with SC-SC Duplex connectors in acc. with IEC 61754-4. Zirconia (ceramic) ferrule/equivalent with a PC polished end face geometry, connectors qualified in acc. with IEC 61753-1 for category U (uncontrolled environment). Connector housing (multimode), material PBT / UL 94 V-0, black duplex clip, 1 x black and 1 x red strain relief, material TPE / UL 94 V-0 and plastic dust cover. Length as below with factory mount ceramic connector at both end.				
		Length - 3m		20 units		
10 1	Optical Fiber Patch Cord, MM, SC-SC, OM-4	Patch cord with LSZH jacket, overall diameter 1.6mm to 2mm, multimode G50 50/125 µm (OM4), bend optimized. Mounted on both sides with SC-SC Duplex connectors in acc. with IEC 61754-4. Zirconia (ceramic) ferrule/equivalent with a PC polished end face geometry, connectors qualified in acc. with IEC 61753-1 for				

		category U (uncontrolled environment). Connector housing (multimode), material PBT / UL 94 V-0, black duplex clip, 1 x black and 1 x red strain relief, material TPE / UL 94 V-0 and plastic dust cover. Length as below with factory mount ceramic connector at both end.				
		Length – 10m		20 units		
10 2	Optical Fiber Patch Cord, MM, LC-LC,OM -4	Patch cord with LSZH jacket, overall diameter 1.6mm to 2mm, multimode G50 50/125 μm (OM4), bend optimized. Mounted on both sides with LC-LC Duplex connectors in acc. with IEC 61754-4. Zirconia (ceramic) ferrule/equivalent with a PC polished end face geometry, connectors qualified in acc. with IEC 61753-1 for category U (uncontrolled environment). Connector housing (multimode), material PBT / UL 94 V-0, black duplex clip, 1 x black and 1 x red strain relief, material TPE / UL	D-link			

			94 V-0 and plastic dust cover. Length as below with factory mount ceramic connector at both end				
			Length - 3m		20 units		
10 3	Optical Fiber Patch Cord, MM, LC-LC,OM -4	Patch cord with LSZH jacket, overall diameter 1.6mm to 2mm, multimode G50 50/125 μm (OM4), bend optimized. Mounted on both sides with LC-LC Duplex connectors in acc. with IEC 61754-4. Zirconia (ceramic) ferrule/equivalent with a PC polished end face geometry, connectors qualified in acc. with IEC 61753-1 for category U (uncontrolled environment). Connector housing (multimode), material PBT / UL 94 V-0, black duplex clip, 1 x black and 1 x red strain relief, material TPE / UL 94 V-0 and plastic dust cover. Length as below with factory mount ceramic connector at both end				
			Length – 10m		20 units		
10 4	Optical Fiber Patch Cord, MM, SC-	Patch cord with LSZH jacket, overall diameter	D-link				

		LC,OM -4	1.6mm to 2mm, multimode G50 50/125 µm (OM4), bend optimized. Mounted on both sides with SC-LC Duplex connectors in acc. with IEC 61754-4. Zirconia (ceramic) ferrule/equivalent with a PC polished end face geometry, connectors qualified in acc. with IEC 61753-1 for category U (uncontrolled environment). Connector housing (multimode), material PBT / UL 94 V-0, black duplex clip, 1 x black and 1 x red strain relief, material TPE / UL 94 V-0 and plastic dust cover. Length as below with factory mount ceramic connector at both end				
			Length - 3m		20 units		
10 5	Optical Fiber Patch Cord, MM, SC-LC,OM -4		Patch cord with LSZH jacket, overall diameter 1.6mm to 2mm, multimode G50 50/125 µm (OM4), bend optimized. Mounted on both sides with SC-LC Duplex connectors in acc. with IEC 61754-4. Zirconia (ceramic) ferrule/equivalent				

		with a PC polished end face geometry, connectors qualified in acc. with IEC 61753-1 for category U (uncontrolled environment). Connector housing (multimode), material PBT / UL 94 V-0, black duplex clip, 1 x black and 1 x red strain relief, material TPE / UL 94 V-0 and plastic dust cover. Length as below with factory mount ceramic connector at both end				
		Length – 10m		20 units		
106	24 port Patch Panel CAT6A	19-inch 1U Patch Panel for 24 x RJ45 connection module, should confirm or exceed the ANSI /TIA 568 2-D (CAT 6A) or latest standards, Metallic / high strength or equivalent & 1U height, zigzag / angular/straight IO placement for better alien cross talk, transmission channels of Class EA with up to 4 plugged connections acc. to ISO/IEC 11801 ed. 2.2, June 2011,or the U.S. standard Cat. 6A according to TIA 568 2-D or	D-link	10 units		

		latest				
107	48 port Patch Panel CAT6A	19-inch 1U Patch Panel for 48 x RJ45 connection module, should confirm or exceed the ANSI /TIA 568 2-D (CAT 6A) or latest standards, Metallic / high strength or equivalent & 1U height, zigzag / angular/straight IO placement for better alien cross talk, transmission channels of Class EA with up to 4 plugged connections acc. to ISO/IEC 11801 ed. 2.2, June 2011,or the U.S. standard Cat. 6A according to TIA 568 2-D or latest	D-link/	10 units		
108	Wire Manager/ Patch Chord Minder panel	19"rack mountable, Metallic / high strength or equivalent jumper rings for routing cable assemblies, mounts to the front of 19" rack & 1 U height	Good Quality	10 units		
109	LIU, 6 /12/24/48 fiber, Wall mount enclosure, lockable	Loaded with SC / LC couplers for 6/12/ 24/48 fibers 50/125-micron MM or 6/12/ 24/48 fibers 9.2/125- micron SM, wall mountable metallic/ polycarbonate distribution enclosure with lock,	D-link/ Schneider	10 units		

		should have inbuilt / pre-installed splice tray with all clamps. Material: housing, plastic				
110	LIU, 6/12/ 24/48 fiber, 1 U/2U Drawer style19" Rack mount enclosure	Loaded with SC / LC couplers for 6/12/ 24/48 fibers 9.2/125-micron SM, 19" rack mountable metallic/polycarbonate distribution enclosure slide & tilt drawer type 1 U/2U, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc., Material: box, powder-coated sheet steel (wherever applicable)/ front panel	D-link/Schneider	10 units		
111	Power adapter (4 pin)	Network Router	Proprietary	10 units		
112	VGA SPLITTER	1 IN- 8 OUT (1:8) VGA input- VGA output	Ugreen/ Belkin/ Aten/Ravtron	10 units		
113	Document Printer MFP	Connectivity Technology: Wi-Fi, USB Printing Technology: Laser Special Feature: Expandable Printer Output: Monochrome Maximum Print Speed (Colour): 20 ppm Max Print speed Monochrome: 20 ppm	HP 126 Printer/ Canon/ Epson	50 units		

		Operating system: Windows, mac, ubuntu Printable Media Size: 8.5 X 14 inches				
114	Document Scanner	Operating system: Windows, Mac, Ubuntu Resolution: 1200 Compatible Devices : Android, Iphone Connector Type: USB, Wifi Media Type: Receipt, ID Card, Post Card, Paper, Business Card	Fujitsu/ Canon/Epson	20 units		
115	Passport Scanner	Capture: Color, Gray, Black & White Operating system: Windows, mac, ubuntu Duplex : Front Only Max Document Length: Maximum A6 (148 x 105 mm) Connection: USB 2.0 Format: A6 (148 x 105 mm) speed color: 1.7 seconds(200dpi) Speed B&W: 1 second (200dpi) duty Cycle : minimum 100 pages/day	Fujitsu, Canon/Epson	20 units		
116	Soundbar	Connectivity : bluetooth, wifi modularity : Surround sound, Bass remote: included input: HDMI, Optical	Bose, Blaupunkt, JBL	20 units		

117	Wireless Mic-cum-Speaker	*Battery : Rechargeable lithium-ion battery *Battery life up to 12 hours *Bluetooth : Bluetooth range upto 30ft (9 mtr.) *Bluetooth version: 4.2 *Input : USB-C port *Microphone : Built-in Microphone	Bose,Jabra, Blaupunkt	20 units		
118	HDMI KVM switcher 1 X 4	*Standards------HDMI 2.0. *Maximum pixelclock ------600 MHz. *Maximum datarate------18 Gbps. *Resolution range ------ Up to 4Kx2K@60Hz (3840x2160), 3D, 1920*1080@60Hz and compatible with lower resolution. *Connector------HDMI-AInterface. *HDMI Cable Range------<5M (Resolution: 1920*1080@60Hz) *Interface protocols------USB * PC input interface type------USB-B *Output interface type------USB-A *Power Dissipation------MAX 3W *Temperature------Operating:-5℃ ~ +70℃ *Humidity------	IOGear/Orei/Kramer/Crestron	20 units		

		Operating:5% ~90%				
119	HDMI KVM switcher 1 X 8	*Standards------ HDMI 2.0. *Maximum pixelclock ------600 MHz. *Maximum data rate------18 Gbps. *Resolution range ------ Up to 4Kx2K@60Hz (3840x2160), 3D, 1920*1080@60Hz and compatible with lower resolution. *Connector------ HDMI-AInterface. *HDMI Cable Range------<5M (Resolution: 1920*1080@60Hz) *Interface protocols------USB * PC input interface type------USB-B *Output interface type------USB-A *Power Dissipation------ MAX 3W *Temperature------ Operating:-5℃ ~ +70℃ *Humidity------ Operating:5% ~90%	IOGear/Orei/Kramer/Crestron	10 units		
120	collar mic	*Transmission Type: 2.4GHz Digital Frequency Agile System *Acoustic Principle: Pre-polarised pressure transducer *Polar Pattern: Omnidirectional *Equivalent Input	Rode mic	20 units		

		Noise : 21.8dB (A-Weighted) *Frequency Range: 50Hz - 20kHz *External Mic Input: 20Hz - 20kHz *Maximum Output Level : +3dBu *Maximum SPL 100dB SPL (1kHz @ 1m) *Dynamic Range: 100dBA (Mic Preamplifiers) *Power Requirements Inbuilt Li-po battery rechargeable via USB *Battery Life Up to 7 hours *Analog Inputs: 3.5mm TRS lavalier microphone input (transmitter) *Analog Outputs : 3.5mm TRS (receiver) *Computer Connectivity: USB (firmware update) *OS Requirements: (For firmware update only) macOS 10.11 above Windows 10 and above *Analog Outputs: 6ms				
12 1	Display monitor 21.5"	*Port- USB-C, HDMI *standard screen display size : 21.5 inches *Screen Resolution: 1920 x 1080 pixels	Dell, LG, Samsung	100 units		

		*Number of HDMI Ports : 1 *Number of Type-C Port : 1 *Technology : LED/IPS				
122	Docket	Multiport Adapter USB-C 11-IN-1 multiport dock	Belkin, IOGear	20 units		
123	Power Adapter	35W Dual USB-C port Power Adapter	Apple	20 units		
124	Trackpad	Apple Magic Trackpad	Apple	20 units		
125	Charge Cable	Apple USB-C 240W Length- 2 meter	Apple	10 units		
126	power Adapter	45 W power adapter	Magesafe, proprietary	10 units		
127	Lightning to USB cable	Lightning to USB cable	Apple, proprietary	30 units		
128	Laptop Stand	material- metal	Lapcare	30 units		
129	Atem Mini	*S4 standards converted HDMI inputs, USB webcam out, *HDMI out, *Fairlight audio mixer with EQ and dynamics, *DVE for picture in picture, * transition effects, *green screen chroma key, 20 stills media pool for titles and free ATEM Software Control. *ATEM Mini Pro also includes direct recording to USB flash disks in H.264 and direct streaming via Ethernet to	Atem Mini Pro	5 units		

		YouTube Live and more. *Total video input : 4 * Total output : 2 * HDMI program outputs : 1 * HDMI Video inputs : 4 x HDMI type A, 10-bit HD switchable, 2 channel embedded audio * Ethernet : Ethernet supports 10/100/1000 BaseT for live streaming, software control, software updates and direct or network panel connection *Total audio inputs : 2 x 3.5mm stereo mini jack. * Video input Re-Sync : On all 4 HDMI inputs * computer interface : 1 x USB Type-C 3.1 Gen 1 for external drive recording, webcam out, software control, software updates and panel connection. *6 input x 2 channel mixer. *Mic Plug In Power : Available on both 3.5mm mini jack connections.				

		* Recording : 1 x USB-C 3.1 Gen 1 expansion port for external media to direct record a .mp4 H.264 with AAC audio at the ATEM video standard.				
13 0	SDI/HDMI	1 X 2 receiver Hollyland Mars 400s Pro 120 meter	Hollyland Mars 400s Pro	50 units		
13 1	Walkie-Talkie	* short range walkies *Range : Cover upto 1 km *4 channel *power source : battery powered * Battery : Lithium Ion battery *License free *battery backup upto 12 hours *Low battery alert *Earpiece included *Two ways radio communication *warranty : minimum 1 year	Kenwood/Motorola	10 units		
13 2	Networking Toolkit	Toolkit for LAN *3-in-1 crimping tool *punch tool *network tester *Stripper cutter *screw driver (2 variant) *RJ45 jack *box/ pouch to hold all tools *	Bosch/Any good brand	5 set		
13 3	NUC	*Brand : intel *Processor Type: Core i7 *Processor Speed : 2.4 GHz	Intel **(Proprietary)**	10 units		

		*Memory Technology : DDR4 * Maximum memory Supported : 16 GB *Hard Drive Size : 500 GB SSD *Hard Drive interface : Solid State *Speaker Description : Built-in *Graphics Coprocessor : integrated Graphics *Wireless Type : 802.11n, 802.11b, 802.11a, 802.11g *Voltage : 1.2 volts				
134	Apple Pencil	Apple Pencil 1st Generation	Apple **(Proprietary)**	20 units		
135	Magsafe to magsafe-2 converter	Magsafe to magsafe-2 converter	Apple **(Proprietary)**	20 units		
136	SATA casing	2.5 inch SSD Enclosure 3.0 USB to SATA	Any Local brand, good quality	25 units		
137	SATA casing	3.5 inch Casing Hdd Case 3.0 USB Casing 2in1 USB	Any Local brand, good quality	50 units		

Date:
Place:

(Signature of the Bidder, with
Official Seal)

F. No.33/Misc IT NIT/2024/SCI(AM)
Dated :   February, 2024

NOTICE INVITING TENDER (RATE CONTRACT) TOWARDS SUPPLY AND INSTALLATION OF MISCELLANEOUS INFORMATION TECHNOLOGY (IT) RELATED ITEMS AND ACCESSORIES ON REQUIREMENT BASIS FOR A PERIOD OF TWO YEARS

Instructions for Online Bid Submission

(Department User may attach this Document as an Annexure in their Tender Document which provides complete Instructions for on line Bid submission for Bidders)

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: https://eprocure.gov.in/eprocure/app.

REGISTRATION

1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "Online bidder Enrollment" on the CPP Portal which is free of charge.

2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.

5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to

misuse.

6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.

3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.

2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor

certificates etc.) has been provided to the bidders. Bidders can use "My Space" or ''Other Important Documents'' area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7) All the documents being submitted by the bidders would be encrypted using PKI

encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. ****

F. No.33/Misc IT NIT/2024/SCI(AM)
Dated :   February, 2024

**NOTICE INVITING TENDER (RATE CONTRACT)
TOWARDS SUPPLY AND INSTALLATION OF MISCELLANEOUS
INFORMATION TECHNOLOGY (IT) RELATED ITEMS AND ACCESSORIES
ON REQUIREMENT BASIS FOR A PERIOD OF TWO YEARS**

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

**[Department User may ask for Tender Acceptance Letter instead of asking
Signed Tender Document from the Bidders. This is a sample format, User may
revise it as per their Tender Conditions]**

                                                                                Date:

To,

 _____

 _____

 _____

_____

Sub: Acceptance of Terms & Conditions of Tender.

                   Tender Reference No: _____

Name of Tender / Work: -
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

   Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

_____
_____

_____
_____
 as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents 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 by the terms / conditions / clauses contained therein.

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

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

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

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

Yours Faithfully,

(Signature of the Bidder, with Official Seal)