

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE (VSSC)
THIRUVANANTHAPURAM**

Tender for Network based CCTV and Public Address System

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT II (AVN)/VS202400335401 dated 28-01-2025

A. Tender Details

Tender No : **VSSC/PURCHASE UNIT II (AVN)/VS202400335401**

Tender Date : **28-01-2025**

Tender Classification: **GOODS**

Purchase Entity : **PURCHASE UNIT II (AVN)**

Centre : **VIKRAM SARABHAI SPACE CENTRE (VSSC)**

Network based CCTV and Public Address System

Network based CCTV and Public Address System

A.1 Tender Schedule

Tender Publish Date : **28-01-2025 11:00**

Bid Clarification Due Date : **18-02-2025 11:00**

Bid Submission Start Date : **18-02-2025 11:00**

Bid Submission Due Date : **18-03-2025 14:00**

Bid Opening Date : **18-03-2025 15:00**

Price Bid Opening Date : **01-04-2025 15:00**

A.2 Pre-bid Meeting Details

Date : **18-02-2025 10:00**

Place : **PRO Conference Hall**

Location : **VSSC, Veli, Thiruvananthapuram**

Centre : **VIKRAM SARABHAI SPACE CENTRE
(VSSC), THIRUVANANTHAPURAM, KERALA**

Offline mode, February 18,2025 (Tuesday) at 10 AM

Pre- Bid meeting is mandatory and only those who participated in the pre-bid meeting is eligible to offer their quote.

Those who are interested to participate in the Tender may kindly confirm your participation by intimating the details of the authorized representative attending the pre-bid meeting on or before 17.02.2025 15 .00 Hrs to below given contact info.

**Purchase and Stores Officer
Purchase Unit -II
Email: ps03_avn_pur@vssc.gov.in
Phone: 0471 256 2387/ 2425/2055**

Details :

B. Tender Attachments

NA

Instructions To Vendors

1. Mandatory Declaration to be attached by bidders regarding restrictions on procurement from the bidder of a country which shares a land border with India.

1. (In the Letter Head of the Bidder) - The below matter may be submitted in your letter Head

2. As per the provision of Office Memorandum N0. F.N0. 6/18/2019- PPD dtd. 23.07.2020 (i.e., Rule No. 144 (xi) of GFR) and its Amendments dtd 23.02.2023, issued by Department of Expenditure, Ministry of Finance. I hereby declare and certify the following.

3. (1)I have read the clause regarding restrictions on procurement from the bidder of a country which shares a land border with India.

4. (2)I certify that this bidder is not from such a country or, if from such a country. I have registered with the Department for Promotion of Industry and Internal Trade.

Bidder from a country which shares a land border with India for the purpose of the Order means:

(2.1)An entity incorporated, established or registered in such a country; or

(2.2)A subsidiary of an entity incorporated established or registered in such a country; or

(2.3)An entity substantially controlled through entities incorporated established or registered in such a country; or

(2.4)An entity whose beneficial owner is situated in such a country; or

(2.5)An Indian (or other) agent of such an entity; or

(2.6)A natural person who is a citizen of such a country; or

(2.7)A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

5. (3)I hereby certify that I am not an agent as defined in the order who procures and supplies finished goods from an entity from a country which shares a land border with India, regardless of the nature of legal or commercial relationship with the producer of the goods.

6. (4)I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

7. Date:

8. (Authorised Signatory)

(Seal)

2. PPP Make in India(Divisible Items-Class I & II Local Suppliers)

1. A committee (with an external expert from a practicing cost accountant or practicing chartered accountant, if required) constituted for independent verification shall verify the self-declarations & auditor's / accountant's certificates on random basis, as per the requirements.

2. a) The subject item falls under divisible category. b) The offers are sought from Class I & II Local Suppliers.

3. Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: i. Equal to or more than 50%: Class-I local supplier. ii. More than 20% but less than 50%: Class-II local supplier. iii. Less than or equal to 20%: Non-local supplier.

4. False declarations will be in breach of code of the integrity for which a bidder or its successor's will not be eligible/debarred for purchase preference from further tenders / pending tenders for two years along with other actions as may be applicable.

5. In case of a complaint received from any local supplier indicating a need for review / verification of Local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs. 5Lakhs), whichever was higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

6. In cases the quoted price is in excess of Rs.1000 Lakhs (including duties, taxes and freight & Insurance) the 'Class-I & II local supplier shall provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in case of suppliers other than companies) giving the percentage of local content.

7. In line with Public Procurement (Preference to Make in India), Order 2017 & its amendments issued by Govt. of India from time to time with a view to support the Indian industries, ISRO has implemented "Purchase Preference Policy". The "Purchase Preference" is applicable for the "Class-I Local Supplier" for the goods/ services/ works covered in this tender, subject to the following terms & conditions:-

8. 'L1' means the lowest technically accepted tender / bid / quotation (i.e. lowest landed cost including

duties, taxes and freight & Insurance).

9. 'Local content' means the amount of value added in India (i.e. indigenous items/services added in the offered products/ services/ works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent.

10. 'Margin of purchase preference' means the maximum extent to which the price quoted by the "Class-I local supplier" above the L1 (landed cost).

11. Purchase Preference Policy:- Goods/Works which are divisible in nature (required quantity is greater than 1 or not a package basis):

i.If L1 is 'Class-1 local supplier', the order/contract for full quantity shall be awarded to L1 bidder.

ii.If L1 bid is not from a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1.

Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

iii.In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase 'preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In cases where none of the 'Class-I local supplier' within the margin of purchase agree to match L1 price, in such cases 100% quantity shall be ordered on original L1 bidder.

iv.In case no offers are received from 'Class-I local supplier' or none of the 'Class-I local supplier' falls within the margin of purchase preference of 20%, the order shall be processed on L1 vendor.

v.In case L1 bidder (not a 'Class-I local supplier') is not accepting splitting of order on 50:50 basis, in that case the order/contract shall be awarded to such 'Class-I local supplier' for full quantity subject to matching the L1 price.

vi.Regarding MSEs (Indian vendors):

a) The following additional aspect as indicated below would be applicable for procurement which are falls under divisible category (i.e., not applicable for indivisible category), in case of participation of MSEs in the tendering who are also complying to the Minimum Local Content (MLC) stipulated in the tender.

b) If any Indian vendor satisfies the requirement of MSEs stipulation and also falls within the purchase preference margin as called for in MSME policy (in case of matching L1 price) will be considered for ordering 25% of tendered quantity, the balance quantity / works will be considered for distribution amongst all bidders (including MSEs) as per the purchase preference policy.

c) In case no MSEs qualifies for purchase preference or do not match with L1 price then the total tendered quantity will be distributed amongst all bidders as per the purchase preference policy.

12. The 'Class-I & II local supplier' should provide a "Self Certification" along with technical offer

indicating that the item offered meets the minimum local content [as per Sl. No.(3)] as called for in the tender and provide the percentage of local content along with details of the location(s) at which the local value addition is made. In case of two bid tenders, it is mandatory to indicate compliance to MLC(minimum Local Content) in technical bid zone.

13. The ink-signed certificate shall be provided on vendors letter head along with the offer (in case of online tender, copy of ink-signed certificate shall be uploaded along with your offer under concerned tab. Original in Hard copy shall be produced on request). In case of non-submission of certificate, the purchase preference shall not apply.

14. The margin of Purchase Preference shall be up to 20%.

15. The Public Procurement (Preference to Make in India), Order 2017 issued by Govt. of India indicates that if there are any general or specific restrictive clauses to restrict participation of Indian companies in those countries procurement tenders, reciprocity clause need to be invoked as per the order. Hence, if ISRO or Govt. of India come across that Indian suppliers of an item are not allowed to participate and / or compete in procurement by your government, the bid submitted by you will be not be considered and excluded from eligibility for procurement. Please note this point.

16. Works means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'. Works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

C. Bid Templates

C.1 Technical Bid - Network based CCTV and Public Address System

1. CAMERA - Indoor Fixed camera

Item specifications for CAMERA - Indoor Fixed camera

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Make & Model	Kindly mention	Yes / No / Explain		
2	Image Sensor	CMOS	Yes / No / Explain		
3	Lens type	Motorized Vari-focal Zoom lens	Yes / No / Explain		
4	Lens	3 - 12 mm or better	Yes / No / Explain		
5	Resolution	2MP or higher	Yes / No / Explain		
6	Frame rate	25 fps or better	Yes / No / Explain		
7	IR Range	30m or better with Inbuilt IR	Yes / No / Explain		
8	Minimum Illumination	0.05 lux color/0 lux with IR LED on.	Yes / No / Explain		
9	Web interface	Camera should have web interface to configure & control	Yes / No / Explain		
10	Network Interface	10/100 RJ45	Yes / No / Explain		
11	Video Compression	H.264/H.265 or higher	Yes / No / Explain		
12	Video streaming	Multi-stream with variable/configurable frame rate & bit rate for preview and recording H.265 or better	Yes / No / Explain		
13	Intelligence	Built-in hardware motion detection, Tamper Alarm etc.	Yes / No / Explain		

14	Security	Password protection, User access logs.	Yes / No / Explain		
15	Supported protocols	IPv4/v6, HTTP,FTP, SMTP, UPnP, SNMP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, HTTPS, NTP, SSH, QoS etc	Yes / No / Explain		
16	Power	PoE/PoE+	Yes / No / Explain		
17	Mounting	Wall mount	Yes / No / Explain		
18	IP rating	IP65 or higher	Yes / No / Explain		
19	Operating Temperature	0°C to 45°C	Yes / No / Explain		
20	Accessories	Wall mounting kit,Other mounting accessories and connector kits, Installation Guide	Yes / No / Explain		
21	Compatible standard and protocol	ONVIF profile S & G support	Yes / No / Explain		
22	Local storage	SD/SDHC/SDXC,populated with min of 128GB storage card	Yes / No / Explain		
23	Certifications	STQC/FCC/CE/EN/BIS or equivalent indian certifications	Yes / No / Explain		

2. Network Video Recorders - 32 Channel NVR with 10TB storage

Item specifications for Network Video Recorders - 32 Channel NVR with 10TB storage

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Channels	32 channel NVR with perpetual license	Yes / No / Explain		
3	Storage	Minimum 10TB storage Capacity with all channels recording @min 15fps for a period of two months	Yes / No / Explain		

4	Storage scalability	storage scalability should be expandable up to 20TB	Yes / No / Explain		
5	Harddisk Support	min 2 SATA III ports of 10TB each	Yes / No / Explain		
6	Resolution	All possible resolutions below 4K	Yes / No / Explain		
7	Camera Support	NVR should support all the ONVIF profiled cameras	Yes / No / Explain		
8	Video Compression	H264,H264+,H265 or better	Yes / No / Explain		
9	Protocols	HTTP; HTTPS; TCP/IP; IPv4; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter;DDNS; FTP; Alarm Server; IP Search, P2P, ONVIF (profile T/S/G); CGI; SDK	Yes / No / Explain		
10	Keyboard & Mouse	Wireless with preloaded drivers	Yes / No / Explain		
11	Display Output	HDMI (1) & VGA/DP (1)	Yes / No / Explain		
12	Users	10 or more concurrent sessions with different user accounts	Yes / No / Explain		
13	display tiles	min 5 combinations in various matrices	Yes / No / Explain		
14	Video bandwidth	All channels should support min of 2MP cameras concurrently	Yes / No / Explain		
15	Network	100/1000 RJ45	Yes / No / Explain		
16	Power	230V Indian Standard with adapter	Yes / No / Explain		
17	Ports	Min one USB Port,Reset Button	Yes / No / Explain		
18	Temperature	10°C to 45°C	Yes / No / Explain		
19	Certifications	STQC/CE/EN/FCC/BIS or Indian Equivalent certifications	Yes / No / Explain		

20	Security access	Password lock, erase data authentication, Data export protection etc	Yes / No / Explain		
21	Remote Access	Password protected access across the network	Yes / No / Explain		
22	Client Access	vendor should provide the windows based VMS application for remote monitoring of cameras through the network.	Yes / No / Explain		
23	Accessories	Installation guide, Power adapter, Wall Mounting kit	Yes / No / Explain		

[Document : Item Doc Network Video Recorders_1_NVR.pdf](#)

3. Network switch - 24 Port 1G PoE+ manageable Network Switch with 2 x 10G UTP Uplinks

Item specifications for Network switch - 24 Port 1G PoE+ manageable Network Switch with 2 x 10G UTP Uplinks

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Make & model	Kindly mention	Yes / No / Explain		
2	Type	Manageable network switch	Yes / No / Explain		
3	No of Ports	Minimum 24 PoE 1G port with 2x10G UTP Uplink. Each port of the switch should provide sufficient PoE power budget required to deliver PoE camera & Other IP based PoE devices in the proposed system	Yes / No / Explain		
4	Switching Fabric Speed	Non-blocking switching backplane of 24 Gbps or more and forwarding rate of 40 Mpps or more, 9K Jumbo frames	Yes / No / Explain		
5	PoE Power Budget	200W or higher.	Yes / No / Explain		

6	Architecture	It should have non-blocking wire-speed architecture. Should support IEEE 802.3af & IEEE 802.3at standards. Should support PoE in all 24 ports. It should be architected to support real time applications like voice, video, data by having distributed architecture.	Yes / No / Explain		
7	Performance	Jumbo frames support, Wire speed forwarding	Yes / No / Explain		
8	Protocols	VLAN Tagging, IEEE 802.1Q VLAN, 802.1s and 802.1w, IP v4: IGMP v1, v2 and v3, Link Aggregation based on 802.3ad . IPV4: IEEE 802.3at	Yes / No / Explain		
9	Security	a. Dynamic VLAN assignment. b. Private VLAN Authentication(MAC, Web and IEEE 802.1x) c. Network Access and Control (NAC) features manage endpoint security d. Authentication & MAC based port security	Yes / No / Explain		
10	Features	SNMP v1,v2 & v3,RMON,BOOTP, T elnet,Configurable per-port PoE priority and max power for power allocation	Yes / No / Explain		
11	Management	CLI, GUI, USB interface for taking backup of software release files configurations	Yes / No / Explain		
12	Operating Temperature	10°C to 45°C	Yes / No / Explain		
13	Mounting factor	Rack mountable	Yes / No / Explain		
14	Certifications	EMC/FCC/CE/BIS or indian equivalents	Yes / No / Explain		

15	Power supply	Power supply 230 V/ AC 50Hz	Yes / No / Explain		
16	Accessories	Mounting hardware including connecting cables with Indian Standard plug tops. For ease of integration, all switches should be of same OEM. All the license of protocols & features should be perpetual & enabled from day 1	Yes / No / Explain		

4. DISPLAY - 65" LED FHD Display

Item specifications for DISPLAY - 65" LED FHD Display

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Display Size	65"	Yes / No / Explain		
3	Panel Technology	IPS/VA/OLED/QLED	Yes / No / Explain		
4	Aspect Ratio	16:9	Yes / No / Explain		
5	Native Resolution	1920 X 1080p (FHD) or better	Yes / No / Explain		
6	Brightness	400 nits or better	Yes / No / Explain		
7	Interfaces	USB 2.0(2),HDMI (2),Audio Jack 3.5mm(1).	Yes / No / Explain		
8	Operation Hours	16 hrs a day	Yes / No / Explain		
9	Inbuilt Speakers	Min of 2 x10W speakers	Yes / No / Explain		
10	Operation Temperature	10°C to 45°C	Yes / No / Explain		
11	Power Supply	100-240 V, 50/60 Hz	Yes / No / Explain		

12	Installation	Wall mount installation with necessary wall mounting kit	Yes / No / Explain		
13	Certifications	STQC/CE/FCC/EN/BIS or equivalent indian certifications	Yes / No / Explain		
14	Accessories	HDMI cable 5m, Remote controller. Installation guide	Yes / No / Explain		

5. Computer - Standard PC for camera monitoring

Item specifications for Computer - Standard PC for camera monitoring

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Processor	10th Generation Intel Core i5 or better, 16MB cache or higher, 8 core, 2.9 GHz or better or equivalent	Yes / No / Explain		
3	chipset	Intel Q570 chipset or equivalent or better	Yes / No / Explain		
4	Memory	16GB DDR4 or better	Yes / No / Explain		
5	Operating System	Windows 10 Professional or better or suitable OS for Camera or VMS monitoring. Operating system should be original and perpetual licensed version	Yes / No / Explain		
6	Hard drive	500GB SSD or better	Yes / No / Explain		
7	Graphic card	NVIDIA graphics or equivalent. Graphic card should be able to load VMS of minimum 32 cameras through NVR.	Yes / No / Explain		
8	Interfaces	1 x RJ45, 2 x USB 3.0, 1 x HDMI, 1 x DP/HDMI, 1 x 3.5mm Audio jack.	Yes / No / Explain		

9	Keyboard & mouse	Wireless based mouse & Keyboard	Yes / No / Explain		
10	Form factor	Mini PC/Tower/Mini Tower	Yes / No / Explain		
11	Power supply	Indian standard power supply 230V AC 50Hz	Yes / No / Explain		
12	Accessories	Mouse pad,power cord,installation guide,DP to HDMI Converter.	Yes / No / Explain		
13	Temperature	10°C to 45°C	Yes / No / Explain		

6. CONSOLE COMPONENT - Master Paging Console with broadcast & conferencing feature

Item specifications for CONSOLE COMPONENT - Master Paging Console with broadcast & conferencing feature

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Type	IP based Paging console	Yes / No / Explain		
3	Mic	1 x Inbuilt Gooseneck mic or detachable mic with mute button.In addition to that, it should support wireless mics connectivity to the console.	Yes / No / Explain		
4	Network Connectivity	DHCP/IPv4	Yes / No / Explain		

5	Programmable keys	minimum of 20 programmable keys or extensions for dialling of zones or locations. Each programmable key should be atleast configurable to the following requirements. 1.Paging 2.Intercom 3.Music playback 4.Emergency alarming 5.Conferencing feature	Yes / No / Explain		
6	Call initiation	All the type of calls like paging,conferencing should be able to initiate from the paging station itself	Yes / No / Explain		
7	Zone & Configurations	It should support minimum of 20 zones with configurable locations or selectable network enabled devices. Each zone may contain 15 or more network enabled devices such as paging console,network speaker etc	Yes / No / Explain		
8	Interfaces	1 x 10/100Mbps RJ45 or more with PoE Support, 1 x Audio Jack IN, 1 x Audio Jack OUT etc	Yes / No / Explain		
9	LCD Display	Optional Inbuilt LCD Display should be available for displaying the zones information or location information of programmed keys	Yes / No / Explain		
10	Keys/buttons	Answer button,hang up button,Volume control button,reset button	Yes / No / Explain		
11	Audio Codecs & Streaming	G722,G711 A-Law, μ - Law. Mp3 & other audio formats streaming	Yes / No / Explain		

12	Casing	ABS Plastic panel ,Aluminum profile base or better	Yes / No / Explain		
13	Certifications	STQC/EN/CE/FCC/BIS or Equivalent indian Standard	Yes / No / Explain		
14	Protocol support	SIP, HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH	Yes / No / Explain		
15	Prerecorded audio	minimum 10 prerecorded voice messages configuration should be available	Yes / No / Explain		
16	Emergency button	feasibility to integrate emergency/Panic button in the system	Yes / No / Explain		
17	Remote Access	GUI Based access should be enabled across the network	Yes / No / Explain		
18	Power Supply	PoE/PoE+	Yes / No / Explain		
19	VoIP Features	Indication for incoming call with all possible options like answer ,hold & reject etc.auto answer,call waiting	Yes / No / Explain		
20	Integration of wireless mics	Feasibility to integrate 2- Channel or 4-Channel wireless mic system to the console based on the requirement.	Yes / No / Explain		
21	Conferencing feature	During the conferencing feature, all the mics of locations or zones that are involved in the conference should be automatically turn ON immediate after the initiation of conference.	Yes / No / Explain		
22	Temperature	10°C to 45°C	Yes / No / Explain		
23	Configuration	Configuration of each paging console based on the user requirement is the responsibility of the vendor	Yes / No / Explain		

24	Accessories	Table mounting stand, installation guide, connecting cables if any.	Yes / No / Explain		
25	Conference initiation	Console should be able to initiate the conference calls	Yes / No / Explain		

7. CONSOLE COMPONENT -Paging Console with broadcast feature

Item specifications for CONSOLE COMPONENT -Paging Console with broadcast feature

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Type	IP based Paging console	Yes / No / Explain		
3	Mic	1 x Inbuilt Gooseneck mic or detachable mic with mute button. In addition to that, it should support wireless mics connectivity to the console.	Yes / No / Explain		
4	Network Connectivity	DHCP/IPv4	Yes / No / Explain		
5	Programmable keys	minimum of 20 programmable keys or extensions for dialling of zones or locations. Each programmable key should be atleast configurable to the following requirements. 1.Paging 2.Intercom 3.Music playback 4.Emergency alarming	Yes / No / Explain		

6	Zone & Configurations	It should support minimum of 20 zones with configurable locations or selectable network enabled devices. Each zone may contain 15 or more network enabled devices such as paging console, network speaker etc	Yes / No / Explain		
7	Speakers	Inbuilt speaker should be available.	Yes / No / Explain		
8	Interfaces	1 x 10/100Mbps RJ45 or more with PoE Support, 1 x Audio Jack IN, 1 x Audio Jack OUT etc	Yes / No / Explain		
9	LCD Display	Optional LCD Display should be available for displaying the zones information or location information of programmed keys	Yes / No / Explain		
10	Keys/buttons	Answer button, hang up button, Volume control button, reset button	Yes / No / Explain		
11	Audio Codecs & Streaming	G722, G711 A-Law, μ -Law, Mp3 & other audio formats streaming	Yes / No / Explain		
12	Casing	ABS Plastic panel, Aluminum profile base or better	Yes / No / Explain		
13	Certifications	EN/CE/FCC/BIS or Equivalent Indian Standard	Yes / No / Explain		
14	Protocol support	SIP, HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH	Yes / No / Explain		
15	Prerecorded audio	minimum 10 prerecorded voice messages configuration should be available	Yes / No / Explain		
16	Emergency button	feasibility to integrate emergency/Panic button in the system	Yes / No / Explain		

17	Remote Access	GUI Based access should be enabled across the network	Yes / No / Explain		
18	Power Supply	PoE / PoE+	Yes / No / Explain		
19	VoIP Features	Call out/answer/reject,Mute/Unmute,Hold/Resume,Call waiting,Caller ID Display,Speed dial,Auto answer	Yes / No / Explain		
20	Integration of wireless mics	Feasibility to integrate 2- Channel or 4-Channel wireless mic system to the console based on the requirement.	Yes / No / Explain		
21	Conferencing feature	During the conferencing feature, all the mics of locations or zones that are involved in the conference should be automatically turn ON immediate after the initiation of conference.	Yes / No / Explain		
22	Temperature	10°C to 45°C	Yes / No / Explain		
23	Configuration	Configuraton of each paging console based on the user requirement is the responsibility of the vendor	Yes / No / Explain		
24	Accessories	Table Mounting stand, installtion guide and connecting cables if any.	Yes / No / Explain		

8. Controller - Network based Audio / PA system Controller

Item specifications for Controller - Network based Audio / PA system Controller

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Type	Network based IP audio server	Yes / No / Explain		

3	Features	Paging, group paging, audio conferencing, background music, emergency alarm, customised audio files support	Yes / No / Explain		
4	Devices support	Server should support min of 100 network based devices includes paging station, speakers etc.	Yes / No / Explain		
5	Scheduling	Scheduling of music or voice data should be achievable to the selected zones or all zones	Yes / No / Explain		
6	Management	Server should be able to configure the paging stations and network based speakers connected in the network.	Yes / No / Explain		
7	Server access	Server should be accessible either through the web interface or client application across the network. Vendor has to supply the respective client software and associated license with lifetime validity.	Yes / No / Explain		
8	Protocol Support	TCP/IP, IPv4, DHCP, ICMP, NTP, SNMP, UDP, SIP, RTP, ARP, SSH	Yes / No / Explain		
9	Audio conferencing	Server should support audio conferencing feature among the paging station connected in the network.	Yes / No / Explain		
10	Paging features	The server should support the following paging types. a). Scheduled paging, b). Automatic paging c). Emergency paging d). Alarm paging e). Live paging f) prerecorded paging g). zone based paging h). Simultaneous calling among the zones etc	Yes / No / Explain		

11	Telephony features	Call forward, call transfer, wakeup call, audio conferencing, do not disturb (DND), caller IDs etc	Yes / No / Explain		
12	Server Logs	Server should maintain all types of logs including calls, conferences, paging with durations and time stamps.	Yes / No / Explain		
13	Data export	Server should be able to provide the log data in common readable formats viz xls, csv etc	Yes / No / Explain		
14	Device labelling	Server should support customised device labelling of each paging station with zone names and numbers	Yes / No / Explain		
15	Calling priority	Server should be able to force stop all the live calls or conferences during the emergency alarming and this should be customised based on the user requirements	Yes / No / Explain		
16	Zones	Server should be able to handle min of 40 zones with multiple devices in each zones	Yes / No / Explain		
17	Authentication	Server should support user authentication feature for unauthorised access of server across the network	Yes / No / Explain		
18	Indicators	LED indicators for status information of the functionality and powering status	Yes / No / Explain		
19	No of calls	Server should support min of 20 concurrent calls among the connected devices	Yes / No / Explain		
20	Interfaces	2 x 100/1G RJ 45 , 1 x USB , 1 x Reset button	Yes / No / Explain		

21	Power supply	PoE or Indian Standard Power supply	Yes / No / Explain		
22	Certifications	STQC/CE/FCC/EN/BIS or Equivalent Indian Standard	Yes / No / Explain		
23	Temperature	10°C to 45°C	Yes / No / Explain		
24	Software Updates	vendor has to supply the software updates and patches to the server and also to the entire system at free of cost during the warranty and AMC period.	Yes / No / Explain		

9. SPEAKERS - Network based Horn Speaker

Item specifications for SPEAKERS - Network based Horn Speaker

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Type	Horn Type	Yes / No / Explain		
3	Amplifier	Built in 30W amplifier or higher	Yes / No / Explain		
4	Frequency range	500Hz to 8KHz or better	Yes / No / Explain		
5	IP rating	IP 65 or better	Yes / No / Explain		
6	Power	PoE based. Vendor should ensure that, the network switches supplied for this work should be able to deliver the sufficient power required for this item	Yes / No / Explain		
7	Protocols	SIP, TCP/IP, IPv4, DHCP, HTTP, HTTPS, STP, FTP, NTP, ICMP, SSH,	Yes / No / Explain		
8	Audio codecs	G722, G711 A law, G711 μ Law, G729	Yes / No / Explain		

9	Audio Streaming	MP3 format with 64 kbps to 320 Kbps and other audio formats	Yes / No / Explain		
10	Configuration	Device should support web based and auto provisioning server based configuration with authentication	Yes / No / Explain		
11	Mounting	Wall mounting	Yes / No / Explain		
12	casing	Casing should be weather proof and suitable for outdoor applications	Yes / No / Explain		
13	certification	STQC/EN/CE/FCC/BIS or equivalent indian standard	Yes / No / Explain		
14	temperature	10°C to 45°C	Yes / No / Explain		
15	Interfaces	RJ45, Reset Button,	Yes / No / Explain		
16	Accessories	Mounting accessories, installation guide etc	Yes / No / Explain		
17	Preferred Color	Black/White	Yes / No / Explain		

10. SPEAKERS -Network based Cabinet Speaker

Item specifications for SPEAKERS -Network based Cabinet Speaker

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Type	cabinet type	Yes / No / Explain		
3	Amplifier	Built in 15W amplifier or higher	Yes / No / Explain		
4	Frequency range	200Hz to 15KHz or better	Yes / No / Explain		

5	Power	PoE based. Vendor should ensure that, the network switches supplied for this work should be able to deliver the sufficient power required for this item	Yes / No / Explain		
6	Protocols	SIP, TCP/IP, IPv4, DHCP, HTTP, HTTPS, SFTP, FTP, NTP, ICMP, SSH,	Yes / No / Explain		
7	Audio codecs	G722, G711 A law, G711 μ Law, G729	Yes / No / Explain		
8	Audio Streaming	MP3 format with 64 kbps to 320 Kbps	Yes / No / Explain		
9	Configuration	Device should support web based and auto provisioning server based configuration with authentication	Yes / No / Explain		
10	Mounting	Wall mount	Yes / No / Explain		
11	Casing	Casing should be weather proof	Yes / No / Explain		
12	Certification	STQC/EN/CE/FCC/BIS or equivalent indian standard	Yes / No / Explain		
13	Temperature	10°C to 45°C	Yes / No / Explain		
14	Interfaces	RJ45, Reset Button,	Yes / No / Explain		
15	Accessories	Mounting accessories, installation guide etc	Yes / No / Explain		
16	Preferred Color	Black/White	Yes / No / Explain		

11. MICROPHONES -2 channel wireless mics with receiver

Item specifications for MICROPHONES -2 channel wireless mics with receiver

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		

2	Microphone Type	Cord less mics - 2 nos	Yes / No / Explain		
3	Transmitter specifications	RF Output Power : Lessthan 10mW Frequency response :40Hz - 15KHz Controls : On/Off/Mute & Volume Control Indication :Power, Low battery, ON/OFF	Yes / No / Explain		
4	Receiver Specification	Indian Standard Power, Should be compatible to integrate with all paging stations supplied by vendor.	Yes / No / Explain		
5	Battery type	AA batteries for cordless mics	Yes / No / Explain		
6	Receiver Type	Double Super heterodyne receiver	Yes / No / Explain		
7	Range	Upto 30m or better	Yes / No / Explain		
8	Mixing out	Mic & Line	Yes / No / Explain		
9	Frequency response	100Hz to 15KHz	Yes / No / Explain		
10	Integration	These mics should be integrable with paging station selector/controller which is technically as comparable to inbuilt mic in paging station.	Yes / No / Explain		
11	Accessories	Power adapter & other connecting cables to establish connection with paging station, Microphone holder/stand for each mic, storage case	Yes / No / Explain		
12	Others	Integration & functionality is the resposibility of the party	Yes / No / Explain		

12. MICROPHONES -4 channel wireless mics with receiver

Item specifications for MICROPHONES -4 channel wireless mics with receiver

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Microphone Type	Cord less mics - 4 nos	Yes / No / Explain		
3	Transmitter specifications	RF Output Power : Lessthan 10mW Frequency response :40Hz - 15KHz Controls : On/Off/Mute & Volume Control Indication :Power, Low battery, ON/OFF	Yes / No / Explain		
4	Receiver Specification	Indian Standard Power, Should be compatible to integrate with all paging stations supplied by vendor.	Yes / No / Explain		
5	Range	Upto 30m or better	Yes / No / Explain		
6	Battery type	AA batteries for cordless mics	Yes / No / Explain		
7	Receiver Type	Double Super heterodyne receiver	Yes / No / Explain		
8	Mixing out	Mic & Line	Yes / No / Explain		
9	Frequency response	100Hz to 15KHz	Yes / No / Explain		
10	Integration	These mics should be integrable with paging station selector/controller which is technically as comparable to inbuilt mic in paging station.	Yes / No / Explain		
11	Accessories	Power adapter & other connecting cables to establish connection with paging station, Microphone holder/stand for each mic, storage case	Yes / No / Explain		
12	Others	Integration & functionality is the resposibility of the party	Yes / No / Explain		

13. RACKS - 9U Network Rack with accessories

Item specifications for RACKS - 9U Network Rack with accessories

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Compliance	Standard for compliance Conforming to DIN41494 and current industry practices	Yes / No / Explain		
3	Dimension	19", 9Ux600x500 mm	Yes / No / Explain		
4	Cable Manager	1U, 19"-1 No	Yes / No / Explain		
5	PDU	Octagonal Socket 6 x 5/15 Amp with 16 Amp MCB - 1 No	Yes / No / Explain		
6	Accessories	Device Mounting kit for 2 Devices, Rack mounting kit	Yes / No / Explain		
7	Installation	Wall mount installation with necessary wall mounting kit	Yes / No / Explain		

14. CABLE -Cat 6 UTP Cable - 305m

Item specifications for CABLE -Cat 6 UTP Cable - 305m

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Connector type	Category 6 RJ 45 cable	Yes / No / Explain		
3	Standard	TIA	Yes / No / Explain		
4	Type	LSZH 1000Base T Transmission	Yes / No / Explain		
5	Temperature	10°C to 45°C	Yes / No / Explain		

6	Laying	Should be laid through wall with suitable & standard PVC casing and cappings	Yes / No / Explain		
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15. PATCH CORD -Cat 6 UTP Patch Cords-1m length

Item specifications for PATCH CORD -Cat 6 UTP Patch Cords-1m length

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Connector type	Category 6 RJ 45	Yes / No / Explain		
3	Standard	TIA	Yes / No / Explain		
4	Type	LSZH 1000Base T Transmission	Yes / No / Explain		
5	Color	Blue/Red/Grey	Yes / No / Explain		
6	Length	1 meter	Yes / No / Explain		
7	Temperature	10°C to 45°C	Yes / No / Explain		

16. PATCH CORD -Cat 6 UTP Patch Cords-2m length

Item specifications for PATCH CORD -Cat 6 UTP Patch Cords-2m length

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Connector type	Category 6 RJ 45	Yes / No / Explain		
3	Standard	TIA	Yes / No / Explain		
4	Type	LSZH 1000Base T Transmission	Yes / No / Explain		
5	Color	Blue/Red/Grey	Yes / No / Explain		

6	Length	2 meter	Yes / No / Explain		
7	Temperature	10°C to 45°C	Yes / No / Explain		

17. Patch Panel -24 Port UTP Loaded Cat 6 Patch Panel

Item specifications for Patch Panel -24 Port UTP Loaded Cat 6 Patch Panel

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	make & model	Kindly mention	Yes / No / Explain		
2	Connector type	RJ-45 Cat 6	Yes / No / Explain		
3	Capacity	24 -Port Loaded	Yes / No / Explain		
4	Identification	ID Plate PVC transparent color with paper	Yes / No / Explain		
5	Material	Phosphor Bronze with Nickel Plated	Yes / No / Explain		
6	Panel	RAL 9005 standard	Yes / No / Explain		

18. Installation & Commissioning including testing and documentation

Item specifications for Installation & Commissioning including testing and documentation

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Supply	Vendor has to consider all the minor components like cables and connectors to complete the work on turn key basis	Yes / No / Explain		

2	Cable wiring	Network cable wiring has to be carried out by the vendor and additional network wiring for future expansion or scalability of system for 50% more should be carried out before commissioning of the system at required locations if required, by the department	Yes / No / Explain		
3	Installation	Vendor should consider all the minor components and connectors for installation on turn key basis	Yes / No / Explain		
4	Software updates	Vendors has to provide firmware updates and patches during the warranty and AMC period at free of cost for the entire system	Yes / No / Explain		
5	Supply of items	Quantities mentioned in the order are tentative and vendor has to be prepared for supply of additional quantities (if required by the department) and payment will be made at actuals.	Yes / No / Explain		

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Registration	Company should be registered under Indian Companies Act or MSME registered	Yes / No / Explain		
2	Certification	Company should be ISO 9001 certified	Yes / No / Explain		
3	Prebid meeting	Vendor has to attend prebid meeting at VSSC for clarifications without which vendor is not qualified for participating in the bid	Yes / No / Explain		
4	Warranty	Vendor should provide 3 year Onsite warranty for the entire system from the date of completion of work	Yes / No / Explain		

5	AMC	Comprehensive AMC is for 4 years. AMC Charges are to be mentioned seperately and the same will also be considered for evaluating the lowest offers.	Yes / No / Explain		
6	Payment	within 30days against installation & commissioning. Payment during the AMC will be paid quarterly prorota basis against submission of Invoice and service call report duly approved by the department.	Yes / No / Explain		
7	Periodic Maintenance	Vendor should conduct a quarterly periodic maintenance for the entire system during the warranty and AMC period. Periodic maintenance report has to be sumbitted to the department for approval and the same will be considered for the payments during the AMC period	Yes / No / Explain		
8	Documentation	Fully compiled document with all the necessary details like IP address ,switch configuraton and controller configuration with connectivity diagram should be handed over to the department after successful installation and commissioning of the system	Yes / No / Explain		
9	Breakdown calls	Vendors has to attend any number of breakdown calls within one working day from the lodging of the complaint and the same should be rectified within two days during the warranty and AMC period.	Yes / No / Explain		

10	Site visit	vendor may visit the site for better understanding and analysis in system implementation	Yes / No / Explain		
11	Work Completion	90 days including supply, installation, testing & commissioning	Yes / No / Explain		
12	Power requirements	The power required for the system is the scope of VSSC	Yes / No / Explain		
13	OEM Authorization	Vendor has to provide the OEM authorization certificate for Camera, NVR, Displays, Paging Console, Audio Server, PC & network speakers	Yes / No / Explain		
14	Back to Back support	Vendor has to provide back to back support certificate for Camera, NVR, Displays, Paging Console, Audio Server, PC & network speakers	Yes / No / Explain		
15	Compliance	Vendor should strictly comply with the MeitY guidelines in case of certifications, hardware equipment and security aspects. Also should submit the self-declaration of compliance to MeitY guidelines of CCTV systems.	Yes / No / Explain		

Supporting Documents required from Vendor

1. OEM Authorization for camera, NVR, Display, Paging console and speakers
2. Previous Purchase orders in CCTV & PA system
3. Back to back support
4. Data sheet of 4 channel wireless mics with receiver
5. Data Sheet of 2 channel wireless mics with receiver
6. Data sheet of Network based Cabinet Speaker

7. Data Sheet of Network based Horn Speaker

8. Data Sheet of Network based Audio / PA system Controller

9. Data Sheet of Paging Console with broadcast feature

10. Data Sheet of Master Paging Console with broadcast & conferencing feature

11. Data Sheet of Standard PC for camera monitoring

12. Data Sheet of 65" LED FHD Display

13. Data Sheet of 24 Port 1G PoE+ manageable Network Switch with 2 x 10G UTP Uplinks

14. Data Sheet of 32 Channel NVR with 10TB Storage

15. Data sheet of Indoor Fixed Camera

16. Other datasheets

17. ISO Certification

18. Company registration certificate

19. Declaration regarding Land Border Sharing (Mandatory)

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Supply: Vendor has to consider all the components like cables and connectors to complete the work on turn key basis	Yes / No / Explain	
2	Supply, Installation and Commissioning of Network based CCTV and Public Address System with accessories required	Yes / No / Explain	
3	This project is intended as turnkey project so vendor has to consider all the necessary components and items for completion of work	Yes / No / Explain	
4	This tender is proposed as a DOMESTIC PUBLIC TENDER. This tender is restricted only to Class-I and Class-II Local Suppliers as defined under DPIIT Order dtd 04/06/2020- Preference to Make in India Order-2017 Revision. Non-Local Suppliers need not quote. Foreign OEMs/Agents quoting on behalf of Foreign OEMs are not permitted to quote. High Sea Sales Quotes not permitted. The bids shall be in INR only.	Yes / No / Explain	
5	This is a TWO-PART tender i.e. Techno-Commercial Bid (C1 & C2 of tender document) and Price Bid (C3 of tender document) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno-Commercial Bid while price shall be indicated only in the Price Bid. Uploading price details anywhere else other than the price-bid shall lead to unconditional rejection of the tender. Please make note of the same. Tenderers are advised NOT TO UPLOAD any documents revealing the price in technical & Commercial bid other than area marked as price related documents	Yes / No / Explain	
6	Technical Bids will be opened at the scheduled due date & time. No further intimation will be sent in this regard. The schedule for price bid opening shown is only indicative. Price bids will only be opened in the case of parties who have been techno-commercially accepted, the details of which will be communicated at a later stage.	Yes / No / Explain	

7	<p>Mandatory pre- bid meeting in offline mode on February 18,2025 (Tuesday) at 10 AM at PRO Conference Hall, VSSC, Veli, Thiruvananthapuram.</p> <p>Pre- Bid meeting is mandatory and only those who participated in the pre-bid meeting is eligible to offer their quote.</p> <p>Those who are interested to participate in the Tender may kindly confirm your participation by intimating the details of the authorized representative attending the pre-bid meeting on or before 17.02.2025 15 .00 Hrs to below given contact info.</p> <p>Purchase and Stores Officer Purchase Unit -II Email: pso3_avn_pur@vssc.gov.in Phone: 0471 256 2387/ 2425/2055</p>	Yes / No / Explain	
8	GST extra as applicable. Please quote applicable G.S.T rates with HSN code. Your GST Reg.No. and details shall be furnished in your quotation	Yes / No / Explain	
9	Warranty [Minimum Three years from the date of Installation and commissioning required.]	Yes / No / Explain	
10	Delivery Terms [Normal delivery terms - FOR Destination (for Indigenous cases)	Yes / No / Explain	
11	Delivery Period from the date of PO [Please Specify the period, LD Clause applicable]	Yes / No / Explain	
12	Period required for installation and commissioning from the date of supply [Please Specify the period, LD Clause applicable]	Yes / No / Explain	
13	Payment Term [Within 30 days after receipt and acceptance for indigenous/ Sight Draft for import cases].	Yes / No / Explain	
14	Quote Validity: Minimum 180 days [for Two Part Tender] from the date of Tender opening.	Yes / No / Explain	
15	3% Performance Bank Guarantee valid two months beyond warranty period to be provided.	Yes / No / Explain	
16	Liquidated Damages @ 0.5% per week subject to maximum of 10% of order value is applicable beyond the promised delivery schedule.	Yes / No / Explain	

17	Security Deposit: Successful Tenderer shall submit Security Deposit equivalent to 3% of the order value valid for a period of 60 days beyond the date for completion of the Purchase Order shall be furnished. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee or Fixed Deposit receipts from Nationalised/Scheduled Banks. [Mandatory. Otherwise offer will not be considered for evaluation]. No exemption is applicable for MSE vendors from submission of Security Deposit.	Yes / No / Explain	
18	Bidder shall mandatorily furnish declaration regarding Land Border Sharing under the document sought with all terms and conditions given in instruction to vendors in their letter head signed by authorized signatory with company seal	Yes / No / Explain	
19	Quote shall in INR	Yes / No / Explain	
20	Purchase preference to eligible vendors are applicable as per extant notifications issued by the Government of India. The Class-I/Class-II Local suppliers, at the time of submitting their offer, shall also indicate percentage of local content and provide self certification that the item (s) offered meets the local content requirement for Class-I/Class-II Local Suppliers as the case may be. They shall also give details of location (s) at which the local value addition is made.	Yes / No / Explain	
21	The vendor have to compulsorily submit the compliance statement online otherwise their offer will not be considered for further evaluation. Before entering the compliance statement, vendors are advised to refer the detailed specification provided.	Yes / No / Explain	
22	The Technical Specification/ Drawing/ Product Catalogues/ Works Carried by vendor/ Make offered etc. as a single PDF file without any financial details has to be uploaded online mode by the vendor.	Yes / No / Explain	

23	In cases if the item(s) offered exceed Rs. 10 Crores, the Class-I / Class-II Local Suppliers shall provide a Certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. False Declarations will be in breach of the Code of Integrity under Rule 175 (1) (i) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.	Yes / No / Explain	
24	Foreign vendors are not permitted to quote 1. Only Class -I and Class-II Local suppliers as per make in India policy are eligible to participate in the bid. 2. The percentage of local content should be specifically mentioned in the offer, without which will be summarily rejected 3. Preference will be given to class-I Local Supplier and in their absence, class-II Local supplier will be considered	Yes / No / Explain	
25	Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: (a) Equal to or more than 50% - Class I Local Supplier (b) More than 20% but less than 50% - Class II Local Supplier (c) Less than or equal to 20% - Non-Local Supplier Mention your category.	Yes / No / Explain	
26	Local content means the amount of value added in India, (i.e. indigenous items / services added in the offered products / services / works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties / IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent. Indicate the extent of Minimum local content in offered products / services and location and breakup / details of such value additions.	Yes / No / Explain	

27	Self-declaration on local content percentage and location of value addition: The Class I and II Local Supplier shall provide a Self-Declaration along with your bid in PDF format indicating the item offered meets the minimum local content as called for in the tender as mentioned above and provide the Percentage (%) of the local content along with the details of the location(s) at which the local value addition is made. In case of Two-part tenders, it is mandatory to indicate compliance to Minimum Local Content (MLC) in the technical bid itself. Confirm attachment of Self declaration as stated above along with the offer.	Yes / No / Explain	
28	If any of the bidders submit any forged or false documents along with the Tender, such tenders will be summarily rejected and such bidders will be blacklisted for all future tenders.	Yes / No / Explain	
29	PO ordering address in full with Contact Persons Name, E-mail id, Phone No. [also attach your Quotation in PDF format without prices details].	Yes / No / Explain	
30	Any other terms	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	CAMERA - Indoor Fixed camera	20.00 Nos.		-		
2	Network Video Recorders - 32 Channel NVR with 10TB storage	1.00 Nos.		-		
3	Network switch - 24 Port 1G PoE+ manageable Network Switch with 2 x 10G UTP Uplinks	4.00 Nos.		-		
4	DISPLAY - 65" LED FHD Display	4.00 Nos.		-		

5	Computer - Standard PC for camera monitoring	4.00 Nos.		-		
6	CONSOLE COMPONENT - Master Paging Console with broadcast & conferencing feature	3.00 Nos.		-		
7	CONSOLE COMPONENT -Paging Console with broadcast feature	3.00 Nos.		-		
8	Controller - Network based Audio / PA system Controller	1.00 Nos.		-		
9	SPEAKERS - Network based Horn Speaker	5.00 Nos.		-		
10	SPEAKERS - Network based Cabinet Speaker	15.00 Nos.		-		
11	MICROPHONES -2 channel wireless mics with receiver	6.00 Sets		-		
12	MICROPHONES -4 channel wireless mics with receiver	3.00 Sets		-		
13	RACKS - 9U Network Rack with accessories	4.00 Nos.		-		
14	CABLE -Cat 6 UTP Cable - 305m	10.00 Rolls		-		
15	PATCH CORD -Cat 6 UTP Patch Cords-1m length	80.00 Nos.		-		
16	PATCH CORD -Cat 6 UTP Patch Cords-2m length	80.00 Nos.		-		

17	Patch Panel - 24 Port UTP Loaded Cat 6 Patch Panel	4.00 Nos.		-		
18	Installation & Commissioning including testing and documentation	1.00 Lot		-		

Common charges (Applicable for all items)

Freight charge	
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