

**Corrigendum -1 to the tender document****TENDER NO. ELCOT/Networks/OT/33387/ CM inaugural events/2020-21****Provisioning of Audio-Video and Network related products for various Video Conferencing events to be held in Chennai and across Tamil Nadu on Rate Contract basis**

The Pre - bid meeting for the above tender was held on 22.02.2021 Clarifications raised during the meeting and the replies are included in Corrigendum -1 which is also part of the Tender document published earlier. The Bidders should also refer the corrigendum before submitting the bid without fail.

Sl. No	Page No.	Chapter	Clause No.	Title	Existing as	Revised as
1	17	4- Eligibility Criteria	4.2	Eligibility Conditions	Bidder should have an average annual turnover of Rs. 2 Crore in any of the (2016-17, 2017-18, 2018-19 & 2019-20) three consecutive audited financial years	Bidder should have an average annual turnover of Rs. 1.5 Crore in any of the (2016-17, 2017-18, 2018-19 & 2019-20) three consecutive audited financial years
2	47	Annexure -4 Technical Specifications	S.No.1 &2	High Definition Video conferencing system	Video Standards: H.264 or equivalent H.264 in an Encrypted call should be possible H.264 should be possible when sending or receiving two live video sources e.g. Presenter and Presentation	Video Standards: H.264 or equivalent H.264 in an Encrypted call should be possible
3	47	Annexure -4 Technical Specifications	S.No.1 &2	High Definition Video conferencing system	Video features: Ability to send and receive two live simultaneous video sources @1080P in a single call, so that the image from the main camera and PC or document camera can be seen simultaneously. Should support H.239 and BFCP protocols with 1080p resolution both during transmit and receive.	Video features: Ability to send and receive two live simultaneous video sources @ 1080P in a single call, so that the image from the main camera and PC or document camera can be seen simultaneously. should support H.239(H.323) ; BFCP (SIP)
4	47	Annexure -4 Technical	S.No.1 &2	High Definition Video	Audio standards supported:G.711, G.722,G.722.1, G.729,	Audio standards supported: G.711, G.722,G.722.1,

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		Specifications		conferencing system	AAC-LD or equivalent standard must be supported	G.729/G.729A, AAC-LD or equivalent standard must be supported
5	47	Annexure -4 Technical Specifications	S.No.1 &2	High Definition Video conferencing system	Other desirable features: Noise Reduction/ suppression, Automatic Gain control, Acoustic Echo Canceller, Active Lip synchronization	Other desirable features: Noise Reduction/ Suppression, Echo Cancellation.
6	47	Annexure -4 Technical Specifications	S.No.1 &2	High Definition Video conferencing system	Audio Inputs: The Unit should be supplied with 2 Microphones (Internal or external) The pickup of the microphones should be at least 6 feet from the microphone. Echo Cancellation for every input must be available	Audio Inputs: The Unit should be supported with 2 Microphones (Internal or external). Boundary microphone of same make of VC system is preferred to have compatibility The pickup of the microphones should be at least 6 feet from the microphone.
7	49	Annexure -4 Technical Specifications	S.No.3 &4	10 port MCU (Video conferencing Bridge) with 5 port 1080p or 10 port 720P or 20 port 480p or 20 port desktop /Mobile client and upgradable to 20 site MCU including the required Appliance or Server hardware for Desktop / Mobile	Call Control/ Gatekeeper: All the endpoints should be registered to Gatekeeper/ Call Control such that dialing into bridge is enabled using H.323 and SIP.Should support IPV6. Should support registration of 40 Devices.	Point deleted

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				client connectivity		
8	50	Annexure -4 Technical Specifications	S.No.5 &6	High definition Video Mixer for Mixing the available HD Video camera input and selecting the source to Video conferencing	Built in display:17.3 inches HD TFT LED backlit, 1600x900 pixel	Point deleted
9	50	Annexure -4 Technical Specifications	S.No. 11&12	Still photography with High end Digital Camera	1)Image Zensor:1.73X 1.30 cm, (in 4:3 aspect ratio) Sensor 2) Digital zoom Magnification: Upto 4x 3)Media: SD,SDHC , SDXC 4)File formats: Still images: JPEG, Movies : MP4 (Video: H.264/ MPEG-4 AVC, Audio: AAC stereo)	1) Type of Lens: Digital single Lens 2) Recording media: SD,SDHC,SDXC 3) Effective Pixels:20 Mega Pixels or above 4) File formats: JPEG, MP4,AVCHD 5) Wireless and bluetooth compatible
10	51	Annexure -4 Technical Specifications	S.No. 17&18	40inch LED/LCD Display with 15meter HDMI& C-Video cable	Input: RGB Analog D-SUB/ DVI-D (HDMI Common), HDMI1 1.4,HDCP, AUDIO Stereo mini Jack USB2.0x 1	Input: RGB Analog D-SUB/ DVI-D, HDMI1 , AUDIO Stereo mini Jack
11	52	Annexure -4 Technical Specifications	S.No. 19&20	55 inch LED/LCD Display with 15 meter HDMI & C-Video cable	Type: New Edge/IPS 60 HZ	Type: New Edge/IPS/ 60 HZ/120 HZ LED BLU
12	52	Annexure -4 Technical Specifications	S.No. 19&20	55 inch LED/LCD Display with 15 meter	Resolution: UHD (3840 x 2160)	Resolution:1920x1080 or better

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		ions		HDMI & C-Video cable		
13	52	Annexure -4 Technical Specifications	S.No. 19&20	55 inch LED/LCD Display with 15 meter HDMI & C-Video cable	Input: DVI, HDMI, HDCP, Audio Stereo mini Jack, USB 2.0 x 1	Input: DVI-D/D-SUB, HDMI, Audio Stereo mini Jack
14	52	Annexure -4 Technical Specifications	S.No. 21&22	65 inch LED/LCD Display with with 15 meter HDMI & C-Video cable	Type:New Edge/IPS 60 HZ	Type:New Edge/IPS/ 60 HZ LED BLU
15	52	Annexure -4 Technical Specifications	S.No. 21&22	65 inch LED/LCD Display with with 15 meter HDMI & C-Video cable	Resolution: UHD (3840 x 2160)	Resolution:1920x1080 or better
16	52	Annexure -4 Technical Specifications	S.No. 21&22	65 inch LED/LCD Display with with 15 meter HDMI & C-Video cable	Input:VIDEO HDMI 2.0 (2) HDCP HDCP2.2 AUDIO Stereo mini Jack, DVI, HDMI USB USB 2.0 x 2 AUDIO Stereo mini Jack	Input:DVI-D/D-SUB, HDMI, Audio Stereo mini Jack
17	54	Annexure -4 Technical Specifications	S.No.4 2&43	3000 ANSI Lumens Multimedia projector	Display method:LCD	Display method: LCD/DLP
18	55	Annexure -4 Technical Specifications	S.No.4 4&45	5000 ANSI Lumens Multimedia projector	Terminals:HDMI IN COMPUTER IN 1 COMPUTER IN 2 / MONITOR OUT VIDEO IN S-VIDEO IN AUDIO IN COMPUTER 1 AUDIO IN COMPUTER AUDIO IN 2 (MIC IN) AUDIO OUT SERIAL IN USB	Terminals:HDMI IN, Video IN, SERIAL IN

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19	55	Annexure -4 Technical Specifications	S.No.4 6&47	Tripod projection Screen (8 X 46) feet	Tripod projection Screen (8 X 46) feet	Tripod projection Screen (8 X 6) feet
20	56	Annexure -4 Technical Specifications	S.No.9 7,98,99&100	i7 Laptop with Power adaptor	Wifi:802.11b/g/n, Bluetooth: V4.0 High Speed	Wifi, Bluetooth
21	56	Annexure -4 Technical Specifications	S.No.9 7,98,99&100	i7 Laptop with Power adaptor	Hard disk:500 GB Serial ATA	Hard disk:500 GB or higher
22	64	Annexure -4 Technical Specifications	S.No.105&106	Desktop Computer with i3 Configuration	Connectivity: Wired: 10/100/1000	Point deleted
23	64	Annexure -4 Technical Specifications	S.No.105&106	Desktop Computer with i3 Configuration	Ports:6 x USB 2.0 Ports & HDMI Port	2 x USB 2.0 Ports & 1 x HDMI port
24	65	Annexure -4 Technical Specifications	S.No.107,108&109	Desktop Computer with i5 Configuration	Connectivity: Wired: 10/100/1000	Point deleted
25	65	Annexure -4 Technical Specifications	S.No.110,111,112&113	Desktop Computer with i7 Configuration	Connectivity: Wired: 10/100/1000	Point deleted
26	66	Annexure -4 Technical Specifications	S.No.117&118	High-end Server with 21inch Display	Ethernet 1Gb 2-port 36i Adapter	Point deleted
27	66	Annexure -4 Technical	S.No.117&118	High-end Server with 21inch	Operating System: Windows Server software 2012	Operating System: Windows Server

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		Specifications		Display		
28	66	Annexure -4 Technical Specifications	S.No.1 19& 120	UPS 600 VA with 30 minutes back up	Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte (leak proof)	Battery Type: sealed Lead-Acid Maintenance-free
29	66	Annexure -4 Technical Specifications	S.No.1 21,122 ,123&1 24	1KVA UPS with 30mins backup, built in battery	On-battery wave shape Step approximated sine-wave	Wave form:sine wave
30	66	Annexure -4 Technical Specifications	S.No.1 21,122 ,123&1 24	1KVA UPS with 30mins backup, built in battery	Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte (leak proof)	Point deleted
31	66	Annexure -4 Technical Specifications	S.No.1 25& 126	3 KVA Online UPS with One hour back up	OUTPUT: Output Power Capacity 1400 Watts / 2000 VA Max Configurable Power 1400 Watts / 2000 VA Nominal Output Voltage 230V, Waveform Type: Sine wave, Output	Output Power Capacity 1400 Watts / 2000 VA Waveform Type: Sine wave
32	67	Annexure -4 Technical Specifications	S.No.1 25& 126	3 KVA Online UPS with One hour back up	INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz +/- 5 Hz (auto sensing)	INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz +/- 5 Hz
33	67	Annexure -4 Technical Specifications	S.No.1 27& 128	5 KVA Online UPS with One hour back up	INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz +/- 5 Hz (auto sensing)	INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz +/- 5 Hz
34	68	Annexure -4 Technical Specifications	S.No.1 39,140 ,141&1 42	MFD (copier, Fax, scanner & Printer)	Print speed:As fast as 21 pages per minute (ppm)	Print speed:20 ppm or more
35	71	Annexure -4 Technical	S.No.1 56	UTM ( Firewall)	The appliance-based security platform should be capable of providing	The appliance-based security platform should be capable of providing

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		Specifications			firewall, IPS, URL Filtering, Application Control, and VPN (both IPSec and SSL) functionality in a single appliance	firewall, IPS, URL Filtering, Application Control, and VPN
36	71	Annexure -4 Technical Specifications	S.No.1 56	UTM ( Firewall)	Proposed Firewall should not be proprietary ASIC based in nature & should scale against dynamic latest security threats.	Point deleted
37	71	Annexure -4 Technical Specifications	S.No.1 56	UTM ( Firewall)	NGFW should support 3Des/AES IPSec VPN throughput of atleast 100 Mbps	Point deleted
38	71	Annexure -4 Technical Specifications	S.No.1 56	UTM ( Firewall)	Firewall should support atleast 10 concurrent VPN peers IPSec / SSL	Point deleted
39	71	Annexure -4 Technical Specifications	S.No.1 56	UTM ( Firewall)	Firewall should support creating access-rules with IPv4 & IPv6 objects simultaneously	Point deleted
40	73	Annexure -4 Technical Specifications	S.No.1 74	Mobile Jammer	6-Band Power Supply 110-240V AC, Total O/P Power 28 W, Antenna Gain 7 dBi (CDMA, GSM, WIFI), 9 dBi (DCS, 3G, 4G) Accessories Jammer with inbuilt directional antennas and power supply Range: within 30 m Radius	6-Band Power Supply 110-240V AC, Total O/P Power 15 W or higher, should block CDMA, GSM, WIFI, DCS, 3G, 4G. supply Range: within 30 m Radius
41	76	Annexure -4-		Technical specifications		To add: S.No.189 Part Code: SCA001 HDMI Video scalar Specifications given in this corrigendum

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42	82	Annexure -5	A5.4	Hardware Compliance		To add: S.No.91 Part Code:SCA001 HDMI Video scalar
43	90	Annexure -6		Price Bid	S.No.52-AUD002 Audio System - Type 1 (Upto 200 people) for 1 week	S.No.52-AUD002 Audio System - Type 1 (Upto 200 people) for 2 days
44	91	Annexure -6		Price Bid	S.No.54-AUD004 Audio System - Type 2 (Upto 400 people) for 1 week	S.No.54-AUD004 Audio System - Type 2 (Upto 400 people) for 2 days
45	91	Annexure -6		Price Bid	S.No.56-AUD006 Audio System-type 3 for upto 1000 people audience for 1 week	S.No.56-AUD006 Audio System-type 3 for upto 1000 people audience for 2 days
46	95	Annexure -6		Price Bid	S.No 186-MAN001- Manpower charges for local within Chennai	S.No 186-MAN001- Manpower charges for local within Chennai for 1 day
47	96	Annexure -6		Price Bid	S.No.187-MAN002- Manpower charges outside chennai and within Tamil Nadu	S.No.187-MAN002- Manpower charges outside chennai and within Tamil Nadu for 1 day
48	96	Annexure -6		Price Bid	S.No.188-MAN003- Manpower charges for outside Tamil Nadu	S.No.188-MAN003- Manpower charges for outside Tamil Nadu for 1 day
49	96	Annexure -6		Price Bid		To add: S.No.189- SCA001 HDMI Video scalar for 1 day
50	96	Annexure -6		Price Bid		To add: S.No.190- SCA002 HDMI Video scalar for 2 days
51	96	Annexure -6		Price Bid		To add: S.No.191- PAP004 Paper Shredder for 2 days



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52	96	Annexure -6		Price Bid		To add:S.No.192-MAN004- Manpower charges for local within Chennai for 2 days
53	96	Annexure -6		Price Bid		To add:S.No.193-MAN005- Manpower charges outside chennai and within Tamil Nadu for 2 days
54	96	Annexure -6		Price Bid		To add:S.No.194-MAN006- Manpower charges for outside Tamil Nadu for 2 days
55	96	Annexure -6		Price Bid		To add:S.No.195-MAN007- Manpower charges within Tamil Nadu for 1 month
56	96	Annexure -6		Price Bid		Note1: To add: .4)For cables claim should be made on actual utilization only irrespective of day basis

The specifications for HDMI Video scalar is as follows:

189) HDMI Video scalar  
Part Code:SCA001

Sl. No.	Description	Details	Compliance Yes/No
1	Input	1 S Video and 1 C video	
2	Output	1 HDMI	