

Clarifications to the Prebid queries

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

Sl. No.	Page No.	Clause No.	Title of the Clause	Description of the Clauses as per Tender Document	Amendment requested	Reasons for requesting the amendment	ELCOT's clarifications
1	17	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 three financial years	Request to reduce the Turn over amount to 1.5 Crore	Our Company has seen a Shortfall in the orders due to Covid situation. Hence we request you to reduce the turnover amount to Rs.1.5 crore,which will make our Company to take part in tender. We Are having a a turnover of Rs.1.70 crore in this financial year 2019-2020. kindly consider our query because we are eligible to all other criteria's expect this	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	S.No.1&2	Annexure-4 Technical Specifications 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 2 simultaneous 1080p60 channels :camera+auxillary camera or camera + content		Video Standards: H.264 or equivalent H.264 in an Encrypted call should be possible
3	47	S.No.1&2	Annexure-4 Technical Specifications 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. Dual: H.239(H.323) ; BFCP (SIP)		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	S.No.1&2	Annexure-4 Technical Specifications High Definition Video conferencing system	Audio standards supported: G.711, G.722,G.722.1, G.729, AAC-LD or equivalent standard must be supported	Audio standards supported: G.711, G.722,G.722.1, G.729A, AAC-LD or equivalent standard must be supported		Audio standards supported: G.711, G.722,G.722.1, G.729/G.729A, AAC-LD or equivalent standard must be supported
5	47	S.No.1&2	Annexure-4 Technical Specifications High Definition Video conferencing system	Other desirable features:Noise Reduction/Suppression, Automatic Gain control, Acoustic Echo Canceller, Active Lip synchronization	Acoustic Echo Cancellation, Adaptive post filtering,.Audio error concealment, Automatic Noise Suppression		Other desirable features:Noise Reduction/Suppression,Echo Cancellation.
6	47	S.No.1&2	Annexure-4 Technical Specifications 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) 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	S.No.3&4	Annexure-4 Technical Specifications 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 client connectivity	Video standards:Should support H.263, H.263+/H.263++, H.264, H.264 SVC/H.264 High Profile video algorithms	Video standards:Should support H.263, H.263+, H.264, H.264 SVC/ H.264 High Profile video		Tender conditions would remain the same

8	49	S.No.3&4	Annexure-4 Technical Specifications 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 client	Video Resolution:The proposed MCU should be able to combine HD and SD in the same conference without degrading the HD resolution from and to the HD endpoints. The MCU shall interoperate with multiple vendors' endpoints. The supported mediums should be IPv4 and IPv6.	Dual 1080p/60 fps channels for video and content. Live Video resolutions-QCIF upto 1080p Presentation video resolution-upto WUXGA or Higher		Tender conditions would remain the same
9	49	S.No.3&4	Annexure-4 Technical Specifications 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 client	Transcoding & Rate Matching:The MCU should support transcoding of different Audio/video Protocols. MCU should be able to combine HD and SD in the same conference without degrading the HD resolution from and to the HD endpoints	Point has to be removed		Tender conditions would remain the same
10	49	S.No.3&4	Annexure-4 Technical Specifications 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 client connectivity	Dual Video:The MCU should have H.239/BFCP protocol for sending and receiving dual video streams (Presenter + Presentation).	Dual 1080p/60 fps channels for video and content. Live Video resolutions-QCIF upto 1080p		Tender conditions would remain the same

11	49	S.No.3&4	Annexure-4 Technical Specifications 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 client connectivity	Video Layouts:At least 20 sites @720p or 10 sites @1080p to be seen simultaneously on the screen in traditional Continuous Presence mode. The MCU must also support advanced continuous presence such that the site that is "on-air" to be seen on a larger window and the other sites are seen in smaller quadrants	24 different layout options with upto 28 conference participants displayed on one screen using continuous Presence		Tender conditions would remain the same
12	49	S.No.3&4	Annexure-4 Technical Specifications 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 client connectivity	Security:The MCU must be a secure Non-PC Hardware with a strong operating system. The Hardware and software must be from the same OEM. The MCU should support 128 Bit strong AES encryption for calls and H.235 for authentication The MCU must support encryption for calls on SIP.	Individual /Personal layouts per conference participant Fully customizable personal layout controlled using DTMF automatic image size adjustment to match TV display		Tender conditions would remain the same
13	49	S.No.3&4	Annexure-4 Technical Specifications 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 client connectivity	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.	This point has to be removed		point deleted

14	50	S.No.5&6	Annexure-4 Technical Specifications High definition Video Mixer for Mixing the available HD Video camera input and selecting the source to Video conferencing	Video format:1080i 50/59.94/60Hz / 720p 50/59.94/60Hz	1080i /50, 1080i/59.94, 720p/ 50, 720p/59.94, 480i/59.94, 576i/50		Tender conditions would remain the same
15	50	S.No.5&6	Annexure-4 Technical Specifications 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	This point has to be removed		point deleted
16	50	S.No.11&12	Annexure-4 Technical Specifications Still photography with High end Digital Camera	Image sensor:1.73X1.30 cm, (in 4:3 aspect ratio) Sensor	sensor Type:1.0" type (0.52x0.35") exmor RS CMOS sensor		Modified as: 1) Type of Lens:Digital single Lens 2) Recording media:SD,SDHC,SDXC 3) Effective Pixels:20 MegaPixels or above 4) File formats: JPEG, MP4,AVCHD 5) Wireless and bluetooth compatible
17	51	S.No.11&12	Annexure-4 Technical Specifications Still photography with High end Digital Camera	File formats: Still images: JPEG Movies: MP4 (Video: H.264/ MPEG-4 AVC, Audio: AAC stereo)	Recording format:Still Image:JPEG;Movie:XAVC S, AVCHD format ver 2.0 compatible , MP4		Modified as: 1) Type of Lens:Digital single Lens 2) Recording media:SD,SDHC,SDXC 3) Effective Pixels:20 MegaPixels or above 4) File formats: JPEG, MP4,AVCHD 5) Wireless and bluetooth compatible

18	51	S.No.17&18	Annexure-4 Technical Specifications 40inch LED/LCD Display with 15meter HDMI& C-Video cable	Type:60Hz D-LED BLU/IPS	60Hz D-LED BLU		Tender conditions would remain the same
19	51	S.No.17&18	Annexure-4 Technical Specifications 40inch LED/LCD Display with 15meter HDMI& C-Video cable	Response Time(Gto-G) :10 ms	8 ms		Tender conditions would remain the same
20	51	S.No.17&18	Annexure-4 Technical Specifications 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	RGB Analog D-SUB, DVI-D, Video:HDMI, AUDIO Stereo mini Jack		Input:RGB Analog D-SUB/ DVI-D, HDMI1 , AUDIO Stereo mini Jack
21	52	S.No.19&20	Annexure-4 Technical Specifications 55 inch LED/LCD Display with 15 meter HDMI & C-Video cable	Type:New Edge/IPS 60 HZ	120 HZ LED BLU		Type:New Edge/IPS/ 60 HZ/120 HZ LED BLU
22	52	S.No.19&20	Annexure-4 Technical Specifications 55 inch LED/LCD Display with 15 meter HDMI & C-Video cable	Resolution:UHD (3840 x 2160)	1920x1080(16:9)		Resolution:1920x1080 or better
23	52	S.No.19&20	Annexure-4 Technical Specifications 55 inch LED/LCD Display with 15 meter HDMI & C-Video cable	Response Time(Gto-G):10 ms	8ms		Tender conditions would remain the same
24	52	S.No.19&20	Annexure-4 Technical Specifications 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	RGB:Analog D-SUB, DVI-D,Video:HDMI, Audio :stereo mini jack		Input:DVI-D/D-SUB, HDMI, Audio Stereo mini Jack
25	52	S.No.21&22	Annexure-4 Technical Specifications 65 inch LED/LCD Display with with 15 meter HDMI & C-Video cable	Type:New Edge/IPS 60 HZ	60 HZ LED BLU		Type:New Edge/IPS/ 60 HZ LED BLU

26	52	S.No.21&22	Annexure-4 Technical Specifications 65 inch LED/LCD Display with with 15 meter HDMI & C-Video cable	Resolution:UHD (3840 x 2160)	1920x1080(16:9)		Resolution:1920x1080 or better
27	52	S.No.21&22	Annexure-4 Technical Specifications 65 inch LED/LCD Display with with 15 meter HDMI & C-Video cable	ResponseTime(GtoG) 10 ms	6.5 ms		Tender conditions would remain the same
28	52	S.No.21&22	Annexure-4 Technical Specifications 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	RGB:Analog D-SUB, DVI-D,Video:HDMI, Audio :stereo mini jack		Input:DVI-D/D-SUB, HDMI, Audio Stereo mini Jack
29	54	S.No.42&43	Annexure-4 Technical Specifications 3000 ANSI Lumens Multimedia projector	Display method:LCD	DLP		Display method:LCD/DLP
30	55	S.No.44&45	Annexure-4 Technical Specifications 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	HDMI IN ,COMPUTER 1 IN, COMPUTER 2 IN / MONITOR OUT, VIDEO IN , AUDIO IN SERIAL IN		Terminals:HDMI IN, Video IN, SERIAL IN
31	56	S.No.49&50	Annexure-4 Technical Specifications HDMI 4:1 Switcher	Support Dolby D (True HD)/ DTS (HD-Master Audio)/ PCM	Supported Dolby True HD,Dolby digital plus and DTS -HD Master Audio plus LPCM		Tender conditions would remain the same
32	64	S.No.97,98, 99&100	Annexure-4 Technical Specifications i7 Laptop with Power adaptor	Wifi:802.11b/g/n, Bluetooth: V4.0 High Speed	Bluetooth 4.0 wireless, integrated in Wi-Fi+ Bluetooth combo adapter		Wifi, Bluetooth
33	64	S.No.97,98 99 &100	Annexure-4 Technical Specifications i7 Laptop with Power adaptor	Hard disk:500 GB Serial ATA	HDD:SATA 6.0 Gb/s		Hard disk:500 GB or higher
34	64	S.No.105&106	Annexure-4 Technical Specifications Desktop Computer with i3 Configuration	Connectivity:Wired: 10/100/1000	Point has to be removed		point deleted

35	64	S.No.105&106	Annexure-4 Technical Specifications Desktop Computer with i3 Configuration	Ports:6 x USB 2.0 Ports & HDMI Port	2 x USB 2.0 Ports & 1 x HDMI port		2 x USB 2.0 Ports & 1 x HDMI port
36	65	S.No.107,108&109	Annexure-4 Technical Specifications Desktop Computer with i5 Configuration	Connectivity:Wired: 10/100/1000	Point has to be removed		point deleted
37	65	S.No.110,111,112&113	Annexure-4 Technical Specifications Desktop Computer with i7 Configuration	Display:19" LED Screen Display	Point has to be removed		Tender conditions would remain the same
38	65	S.No.110,111,112&113	Annexure-4 Technical Specifications Desktop Computer with i7 Configuration	Connectivity:Wired: 10/100/1000	Point has to be removed		point deleted
39	66	S.No.117&118	Annexure-4 Technical Specifications High-end Server with 21inch Display	Ethernet 1Gb 2-port 36i Adapter	Network controller:HPE embedded dual Port 361i adapter network interface		point deleted
40	66	S.No.117&118	Annexure-4 Technical Specifications High-end Server with 21inch Display	Operating System: Windows Server software 2012	Operating System: Windows Server		Operating System: Windows Server
41	66	S.No.119&120	Annexure-4 Technical Specifications UPS 600 VA with 30 minutes back up	Output Power Capacity: 600 Watts/600 VA	600 VA		Tender conditions would remain the same
42	66	S.No.119&120	Annexure-4 Technical Specifications UPS 600 VA with 30 minutes back up	Frequency Range 50/60 Hz \pm 1 Hz	Frequency Range 50 Hz \pm 1 Hz		Tender conditions would remain the same
43	66	S.No.119&120	Annexure-4 Technical Specifications UPS 600 VA with 30 minutes back up	Typical Recharge Time 8 hours	Battery Recharge Time 5-6 hours		Tender conditions would remain the same
44	66	S.No.119&120	Annexure-4 Technical Specifications 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		Battery Type: sealed Lead-Acid Maintenance-free
45	66	S.No.121,122,123&124	Annexure-4 Technical Specifications 1KVA UPS with 30mins backup, built in battery	Nominal Input Voltage 230V	Power factor:>-0.99 @ Nominal Voltage(Full Load)		Tender conditions would remain the same

46	66	S.No.121,122,123&124	Annexure-4 Technical Specifications 1KVA UPS with 30mins backup, built in battery	Frequency Range 50/60 Hz \pm 1 Hz	Frequency Range (batt mode):50 Hz \pm 0.2Hz or 60 Hz \pm 0.2 Hz		Tender conditions would remain the same
47	66	S.No.121,122,123&124	Annexure-4 Technical Specifications 1KVA UPS with 30mins backup, built in battery	Typical Recharge Time 8 hours	4 hours to recover to 90% capacity		Tender conditions would remain the same
48	66	S.No.121,122,123&124	Annexure-4 Technical Specifications 1KVA UPS with 30mins backup, built in battery	On-battery wave shape Stepapproximated sine-wave	waveform(batt Mode);Pure sinewave		waveform:sine wave
49	66	S.No.121,122,123&124	Annexure-4 Technical Specifications 1KVA UPS with 30mins backup, built in battery	Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte (leak proof)	Point has to be removed		point deleted
50	66	S.No.125&126	Annexure-4 Technical Specifications 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	Input:Output Power Capacity 1400 Watts / 2000 VA Waveform : Pure Sine wave		Output Power Capacity 1400 Watts / 2000 VA Waveform Type: Sine wave
51	67	S.No.125&126	Annexure-4 Technical Specifications 3 KVA Online UPS with One hour back up	INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz \pm 5 Hz (auto sensing)	Frequency range:40 Hz-70 Hz		INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz \pm 5 Hz
52	67	S.No.127&128	Annexure-4 Technical Specifications 5 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: Output Power Capacity 1400 Watts / 2000 VA Max Configurable Power 1400 Watts / 2000 VA Nominal Output Voltage 120V,208V Waveform Type: Sine wave,		Tender conditions would remain the same
53	67	S.No.127&128	Annexure-4 Technical Specifications 5 KVA Online UPS with One hour back up	INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz \pm 5 Hz (auto sensing)	INPUT: Nominal Input Voltage 208V Input Frequency :60 Hz \pm 5 Hz		INPUT: Nominal Input Voltage 230V Input Frequency 50/60 Hz \pm 5 Hz

54	67	S.No.131, 132&133	Annexure-4 Technical Specifications High end Copier Machine with Duplex printing and scanning	Duplex:Paper sheet, books and three dimensional objects up to 2 kg	Point has to be removed		Tender conditions would remain the same
55	68	S.No.139, 140,141& 142	Annexure-4 Technical Specifications MFD (copier, Fax, scanner & Printer)	Print speed:As fast as 21 pages per minute (ppm)	Maximum A4:upto 20 ppm black		Print speed:20 ppm or more
56	71	S.No.156	Annexure-4 Technical Specifications UTM (Firewall)	The appliance-based security platform should be capable of providing firewall, IPS, URL Filtering, Application Control, and VPN (both IPSec and SSL) functionality in a single appliance	It should be capable of providing firewall, IPS, URL Filtering, Application Control and VPN		The appliance-based security platform should be capable of providing firewall, IPS, URL Filtering, Application Control, and VPN
57	71	S.No.156	Annexure-4 Technical Specifications UTM (Firewall)	Proposed Firewall should not be proprietary ASIC based in nature & should scale against dynamic latest security threats.	Point has to be removed		point deleted
58	71	S.No.156	Annexure-4 Technical Specifications UTM (Firewall)	NGFW should support 3Des/AES IPSec VPN throughput of atleast 100 Mbps	Point has to be removed		point deleted
59	71	S.No.156	Annexure-4 Technical Specifications UTM (Firewall)	Firewall should support atleast 10 concurrent VPN peers IPSec / SSL	Point has to be removed		point deleted
60	71	S.No.156	Annexure-4 Technical Specifications UTM (Firewall)	Firewall should support creating access-rules with IPv4 & IPv6 objects simultaneously	Point has to be removed		point deleted
61	73	S.No.174	Annexure-4 Technical Specifications 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, O/P Power 15 W,High power mobile signal jammer that blocks CDMA, GSM, DCS, 3G, 4G and wifi & bluetooth signals Range: 1-50 meters		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
62	74	S.No.175	Annexure-4 Technical Specifications Tablet PC 3G/4G SIM inbuilt	Tablet PC 3G/4G SIM inbuilt , Android latest OS or higher, Dual camera 8 MP back and 5MP front, 16 GB internal Memory, 4 GB RAM, Display 8 or higher, Display Resolution 2,048 x 1,536 pixels	Tablet dual SIM,OS Android 6.0, camera 8 MP and 5MP front, 16 GB internal Memory, 4 GB RAM, Display 8 or higher, Display Resolution 1,536x2048 pixels		Tender conditions would remain the same

63	-	-	-	-	<p>Addition of the following Items from previous tender.</p> <p>1.BAC001 Back drop Flexi board with Printing per Square feet basis 1</p> <p>2.STA001 Stationary Charges</p> <p>3.PLQ001 Plaque Opening /Frill Opening systems wrth remoie (g feet x 6 Feet</p> <p>4.LIG001 Lighting equipment</p> <p>5.FIB001 Fiber Optic cable laying & Dismanfling for tive retay of video coverage Per meter basis</p> <p>6.UNVO01 Providing unveiling board with size of 8'xg feet</p> <p>7.UNVO02 Providing unveiling board with size of 3x2 feet</p> <p>8.UNVO03 Providing satin cloth</p> <p>9. UNVO04 Providing board for covering area</p> <p>10. UNVO05 8x8 Back drop with stone</p>	-	Not required in this tender
64	-	-	-	-	<p>In the Tender, for some of the items rates have been asked for 1 day & 2 days, some for 3days,somefor 1 week & some for 1 month.We had requested that the tender to maintain the uniformity for alt the items in terms of rates for 1 day,rates for 2 days, rates for 1 week & 1 month, consumable can be extra for printers / copiers. The Technical Committee was kind enough to accept our request. Hence, we request you to release the corrigendum to modify the periods asked for 1 day, 2 days, 1 week and upto 1 month in the price bid</p>	-	Not required in this tender