



ODISHA COMPUTER APPLICATION CENTRE  
OCAC BUILDING, N-1/7-D,  
ACHARYA VIHAR SQUARE, NEXT TO PLANETORIUM,  
BHUBANESWAR – 751013

Our Ref. No.OCAC-SEGP-INFRA-0068-2025 - **5844** /Date 12-11-2025

**Short Quotation Call Notice**

Sealed quotations are invited from authorized supplier/dealer/distributor having valid document as mentioned below to supply the following item(s) in the Office of the LAW Department, Lokseva Bhavan, Bhubaneswar.

Sl.No.	Description	Qty./ Unit	Rate (Rs.)	GST	Amount (Rs.)	Total (Rs.)
1	86 inch LED Smart Display as per detail specification of Annexure-I	1 No.				
2	65 inch LED Smart Display as per detail specification of Annexure-I	2 Nos.				
3	Video Conferencing Kit (codec): UHD 4k video CODEC and Wireless Presentation System, Smart Camera 4K MPTZ with 12x Optical Zoom, Camera Display Mounting Bracket, USB 2.0 Cable (5M), IP Table Microphone. As per detail specification of Annexure-I	1 Set				
4	Wired/Wireless Hybrid Digital Discussion System with Conference Controller featuring full-digital ring network technology, lossless audio transmission. Includes multi-mode discussion control, USB recording and external camera auto-tracking feature via RS232/RS485. As per detail specification of Annexure-I	1 No.				
5	Conference Microphone for Chairman(Wired) as per detail specification of Annexure-I	1 No.				
6	Conference Microphone for Delegate (Wired) as per detail specification of Annexure-I	10 Nos.				
7	Inbuilt 200W (2x100W @ 8Ω) digital amplifier integrated with DSP, delivering HD voice with AEC, Noise Suppression, De-reverb, and AGC. It includes two 50W wall-mount speakers and comes with one handheld and one headband microphone. The compact unit ensures high-performance, reliable audio for professional conferencing environments. As per detail specification at Annexure-I	1 Set				
8	High-performance wall-mount speaker with a 5.25" woofer and titanium tweeter delivers rich bass and clear highs. Dustproof, water-resistant, and dual-axis mountable — ideal for conference rooms, classrooms, and auditoriums (two speakers).As per detail specification at Annexure-I	1 Set				

*Contd.*

9	1:4 4K HDMI Splitter	1 No.				
10	10 Mtr. HDMI Cable	6 Nos.				
11	5 Mtrs. HDMI cable	1 No.				
12	1 Mtrs. HDMI cable	1 No.				
13	8 port managed Gigabit Ethernet POE switch	1 No.				
14	3 KVA On-Line UPS with 6 nos. 26AH SMF Battery & accessories as per detail specification at Annexure-I	1 Set				
15	Custom built Wooden Rack & glass shelf for equipment & camera mount	1 No.				
16	Earthing with all accessories	1 LS.				
17	Installation, Commissioning, integration including electrical cables and Training	1 LS.				
	Grand Total Rs.:					

The sealed quotations should reach the undersigned on or before **19-11-2025** by **4:00 PM**. The authority reserves the right to accept/reject any or all the quotation without assigning any reason thereof. The interested firms should submit their quotations.

Document to be enclosed:

1. GST Registration certificate.
2. OEM Authorization Certificate



General Manager(Tech)

C.C: Notice Board and website of OCAC for information of the vendors.

N.B.: The material should be delivered within 1 Week of issue of Purchase Order.

## Technical Specifications of the Equipment & Accessories

### 1. Specification of 86-inch Smart LED Display

S No	Parameter	Specifications	Compliance Yes/No
1	Size	86 inch	
2	Resolution	3840 X 2160 (UHD)	
3	Backlight Unit Type	Direct	
4	Brightness	330 or higher	
5	Dynamic Contrast Ratio (Dynamic MCI (Hz))	1,000,000:1 or higher	
6	Static (Panel) Contrast Ratio	1200:1	
7	Refresh Rate	120Hz	
8	Video		
9	HDR (10 Pro / HLG)	Yes / Yes	
10	Audio		
11	Speaker (sound output)	10W + 10W(Minimum)	
12	Broadcasting System		
13	Digital (Terrestrial, Cable, Satellite)	DVB-T2/C	
14	Hospitality Feature	Hotel Mode / PDM / Installer Menu,One Channel Map,IP Channel Manager; External Speaker Out (Int Variable/Fixed, 3.5mm, Stereo, Single ended Type(GND,L+,R+), 2W+2W with 80)	
15	Smart Feature	WebOS (webOS 6.0 or better), Smart Home (Launcher Bar), Web Browser Pre-loaded App (YouTube only, ), SDP Server compatibility, Mood Display,Soft AP, WiFi (Version) (802. 11ac), Screen Share (Miracast), Smart Share, Bluetooth Audio Playback, HDMI-ARC (ARC, HDMI2)	
16	Signage Feature	Vertical Setup, Fail Over, Play Via URL, NTP Server Setting. Compatibility ,Crestron Connected (Network Based Control), DPM (Digital Power management), Time scheduler, RTC (Real Time Clock), NTP sync timer, BEACON, Embedded CM (contents manager), Embedded GM (Group manager)	
17	SUPERSIGN SW COMPABILITY	Control / Control Plus, CMS(Premium), Simple Editor.	
18	Input Interface		
19	Set Side	HDMI In (3 (2.0)), Headphone Out (Phone Jack Type), RS-232C(D-Sub 9pin / Phone jack) (Phone Jack, 4pi)	
20	Jack Interface		
21	Set Rear	USB (2.0), RF In, Digital Audio Out (Optical), External Speaker Out(3.5mm phone jack), RJ45 (Usage Purpose) (LAN)	
22	Bezel Width (L/R/U/B): 0n Bezel	15.9/15.9/15.9/19.9	
23	Power		
24	Power Supply (Voltage, Hz)	AC 120 V-, 50 / 60 Hz	
25	Standby Power Consumption	Under 0.5W	
26	Required Listing (Certification)		
27	Safety	CB, CU TR	
28	EMC	CE	
29	Accessory		
30	Remote type	S-con	

31	<b>Power Cable</b>	Detached (1.5m, Straight Type)	
32	<b>Warranty</b>	Onsite 3 years	
33			
34	OEM MUSTHAVE LOCAL SERVICE CENTRE.		
35	OEM MUST HAVE LOCAL REGISTERED OFFICE AT ODISHA SINCE 10 YEARS.		
36	AUTHORISATION VERIFICATION BY OEM LOCAL MANAGER.		
37	ODISHA BASE PARTNERS WILL BE PREFERABLE.		

## 2. Specification of 65-inch Smart LED Display

S No	Parameter	Specifications	Compliance Yes/No
1	Inch	65	
2	Resolution	3840 x 2160 (UHD)	
3	Refresh Rate	60 Hz	
4	<b>Video</b>		
5	HDR HDR 10 Pro	Yes	
6	HDR HLG	Yes	
7	<b>Audio</b>		
8	Audio Output	10W + 10 W	
9	Speaker System	2.0 Ch	
10	AI Sound / Pro	AI Sound	
11		Virtual 5.1 Up-Mix	
12	<b>Smart Function</b>		
13	Processor	A5 Gen6 AI Processor 4K or better	
14	Home Dashboard	Yes	
15	Web Browser	Yes	
16	Pre-Loaded App	Yes	
17	Magic Remote Compatibility	Yes	
18	Quick Cards	Group your Favorite Apps into Categories	
19	Hotel Mode	USB Cloning, IP Control, App Blocking, Input Locking	
20	<b>Connectivity</b>		
21	HDMI eARC	Yes	
22	WiFi	Yes	
23	Screen Share ( Miracast)	Yes	
24	DIAL	Yes	
25	Air Play	Yes	
26	Bluetooth	Yes	
27	Google Assistance	Yes	
28	Amazon Alexa	Yes	
29	Voice Recognition ( Standard)	Yes	
30	<b>Ports</b>		
31	HDMI In (Minimum)	3	
32	RF In	1	
33	USB (Minimum)	2	
34	RJ45	1	
35	<b>Power ( Unit: Watts)</b>		
36	Voltage, Hz	AC 100-200V, 50-60Hz	
37	Stand-by	Under 0.5 W	

38	Certification	BIS	
39	<b>Accessory</b>		
40	Remote Type	Magic Remote	
41	Power Cable	Yes ( 1.5M)	
42	Warranty	3 years	

**Eligibility Criteria for the Original Equipment Manufacturer (OEM):**

1. OEM should have presence in India for more than 10 years (Certificate of Incorporation required).
2. The manufacturer should have minimum annual turnover of Rupees 500 Crores (each year) during last three financial years.
3. OEM should have Registered Office in Odisha (Valid document is required).
4. OEM should have complete direct service set-up in Odisha with a service team of minimum 2 trained Service Manager/Engineers.
5. OEM should have at least one direct/authorised franchisee service centre in the same district or adjacent district with proper legal agreement should be valid for last 6 months for providing quick on-site support.
6. OEM Should have ISO 9001:2015 & BS OHSAS 18001:2007 or ISO45001:2018.

### 3. Specifications of Room Based VC Endpoint

The proposed system must be based on ITU standards & hardware based. No software based solution will be accepted. All components of the VC system like Codec, Camera, Microphones and Remote Control should be from the same OEM.			
S.No.	Description	Specification Parameter	Compliance Yes/No
1	Package	UHD 2160p (4K) PTZ Camera, 4K Codec, Omnidirectional Digital Microphone and Touch Control Panel from the same OEM.	
2	Video Standards and Resolutions	It should support H.323 & SIP standards for communications.	
		It should support interoperability and bandwidth saving using video compression H.264 AVC, H.264 High Profile, H.265	
		It should support 4K30 fps,1080p30 fps,720p 30 fps.	
3	Content Standards and Resolutions	It should support both wired and wireless content sharing using standard based H.239 and BFCP. It should also support audio from Laptop used for content sharing.	
		It should transmit content to the far end location up to 4K15fps.	
		It should support inbuilt feature for wireless content sharing from Windows, MacOS, Android, iOS Smartphones & Tables without downloading any application on the user device.	
		It should support Content Annotation and WhiteBoarding/Blackboaring capability when connected to Touch Enabled Display/Monitor.	
4	Audio Standards and Features	It should support G.711, G.728, G.729A, G.722, G.722.1, G.719 or better	
		It should support 20kHz or better bandwidth with crystal clear audio and stereo sound.	
		It should have inbuilt technology to identify and eliminate non-human distracting noises such as keyboard typing, paper shuffling and wrapper crinkling during video calls.	
		Automatic Gain Control and Automatic Noise Suppression	
5	Video and Audio Inputs	1 x HDMI/HDCI/USB input for connecting main 4K Camera	
		1 x HDMI input to share 4K/Full HD content from PC/Laptop/Document camera/PTZ Camera.	
		3 x HDMI/USB inputs to connect additional PTZ cameras from same OEM to capture whiteboard/presenter and podium area in future whenever required.	
		3 x Microphone Inputs or more with support for minimum 3 digital omnidirectional mics. The bidder needs to quote 1 digital omnidirectional microphones with mute/unmute soft touch button on the microphone. Each microphone should have atleast 15 feet pickup range.	
		1 x RCA/3.5mm stereo line-in	
6	Video and Audio Outputs	2 x HDMI outputs for connecting primary and secondary 4K(UHD)/Full HD displays.	
		1 x RCA/3.5 mm stereo line-out	
7	Other Interfaces	1 x 10/100/1000 Ethernet port	
		1 x USB to support system software upgrade	
		Bluetooth 5.0 and WiFi 802.11a/b/g/n/ac (MIMO) for Wireless Content Sharing for Guests using their Smartphones and Tablets (Android and iOS)	
		1 x RS-232 Serial Port or equivalent port for connecting to	

		external RS-232 controller	
8	Camera	The camera should support group framing and presenter tracking	
		The camera should support minimum 12X Optical Zoom, PAN +/-170°, Tilt +/- 30° & minimum 10 camera presets.	
		The camera should support 4K UHD resolution	
		Video Conference Camera and Codec should be controlled using same touch panel. Bidder need to supply two cameras on day 1.	
9	Network Features	H.323 and SIP bandwidth supporting up to 6 Mbps or more.	
		Must support IPv4 and IPv6 from day one on both H.323 and SIP.	
		Auto Gatekeeper Discovery, Lost Packet Recovery (LPR) technology, IP Precedence and DiffServ, Configurable MTU size	
10	USB Pass-Thru Mode	The system should have inbuilt functionality to use the VC system as an external camera and microphones when connected to a Laptop/PC over a single USB cable without using any external hardware components to connect to any Cloud Based VC platform like Cisco Webex, Zoom, BlueJeans, Microsoft Teams, Google Meet, etc.	
		The system should be able to support up to 1080p30fps video transmit in USB Pass-thru mode.	
		It should be possible to Mute/Unmute all the microphones and control camera functionality from the same touch control panel during USB pass-thu mode.	
		The system should be supplied with 5 mtrs. single USB cable from the same OEM for USB Pass-thru mode for seamless functionality.	
11	Security	Media Encryption (H.323, SIP): AES-128, AES-256, H.235.6 support	
		Authenticated access to admin menus, web interface and APIs	
		Local account password policy configuration	
		Global Directory/Centralized Directory/LDAP support	
12	Other Standards/features	H.460.18, H.460.19, SSL, TLS	
13	Cloud Integration	It should be possible to natively register the VC system with Microsoft Teams Room and Zoom Room account for native cloud based video calling features and experience. USB Pass-Thru mode functionality should also be available when the system in running in Microsoft Teams Room / Zoom Room mode.	
14	Additional Feature	It should able to achieve 1080p resolution at 1024 Kbps while making video call with same set of endpoint.	
15	Warranty	The complete solution (Codec, Camera, Mic and all cables), should be from the same OEM with 3 years warranty from day one.	

#### 4. Wired Discussion Units with Conference Controller

S No.	Parameter	Specifications	Compliance Yes/No
	<b>Controller</b>		
1	Technology	The unique digital ring network technology achieve full-digital signal transmission and processing	
2	Audio Sampling and Frequency response	48K audio sampling rate and 20Hz~20KHz frequency response	
3	Special Features	Output 16 segment equalized EQ to achieve sound field adjustment; pressure limit, which can recognize the noise gate passed by human voice. AGC automatic volume gain control; AFC automatic feedback suppression and auto-mix technology, advanced noise cancellation technology, Echo cancellation	
4	Output Zone Control	6 separated output zones function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle.	
5	Recording	USB audio recording	
6	Discussion Units Support	Single controller can support up to 90 units, by using additional Extension Main Units can be extended up to 5200 units	
7	Audio Input	2 channel audio input, XLR or RCA type, for local audio input or remote video-conferencing input.	
8	Audio Output	Maximum 8-channel audio output, XLR, RCA and Phoenix type, can be connected to simultaneous interpretation output or partitioned output	
9	Control Port	RS232 central control, realize microphone switch, priority, volume and other control	
10	Camera Control	RS232 or RS485 to send the PELCO/VISCA protocol to realize camera auto-tracking function.	
11	Limit on the number of active speaking persons	Active units at the same time will be 2 Chairman and 6 Delegates	
12	Discussion modes	"OPEN" Free for all, limited by the active units setting by controller, "VOICE" Can activate MIC by detecting sound without press button, "OVERRIDE" First in First out, "APPLY" To apply then to speak	
13	Control & Indicators	LCD display to show all the operations and results	
		4-Way button for menu operate	
		One-button press to start recording	
		light indicator	
14	Interfaces	Front panel USB recording interface, 3.5mm headphone for monitoring, 1x RCA audio input, 1x XLR audio input, 1x RCA audio output, 1x XLR audio output	
		6x Phoenix audio output connector, 2x RJ45 digital audio connection, 2x RJ45 for chairman unit, delegate unit, unit translators and other connection, 1x RJ45 for wireless AP or router, 1x DB9 male interface for external control, 1x DB9 female interface for camera	
		1x three-pin phoenix interface for camera control keyboard, 1x RJ45 for computer connection or network switcher, 1x grounding screw, 1x 100 ~ 240V AC Power Interface	
	<b>Chairman Unit</b>		

15	Type	Wired Table Top unit with built in speaker and Rj45 Loop in and out	
16	Speaker	Internal high-fidelity loudspeaker	
17	Transmit technology	High fidelity sound by zero loss audio transmit technology	
18	Audio Sampling and Frequency response	48K audio sampling rate and 20Hz~20KHz frequency response	
19	Special Features	Support AGC (Automatic Gain Control,15 segment)/ AFC (Adaptive Feedback Cancellation)/ ANC(Active Noise Control 15 segment)/ Mix (Auto-Mix) technology	
20	Chairman Priority	Chairman unit has priority to close all other units or mute them temporarily and consent the request for speaking from delegate	
21	Control & Indicators	OLED Display, MIC ON/OFF, Chairman unit with priority button and consent button for the delegates, Volume up and down	
22	Interfaces	Socket for Pluggable Gooseneck microphone	
		3.5mm stereo Headphone jack	
		2x RJ45 Connectors	
23	Input impedance	2 k $\Omega$	
24	Signal to Noise Ratio	70 dB	
25	Frequency response	20 ~ 20000Hz	
26	Microphone	Cardioid,Sensitivity--46dBV/Pa,Length-485mm	
	<b>Delegate Unit</b>		
27	Type	Wired Table Top unit with built in speaker and Rj45 Loop in and out	
28	Speaker	Internal high-fidelity loudspeaker	
29	Transmit technology	High fidelity sound by zero loss audio transmit technology	
30	Audio Sampling and Frequency response	48K audio sampling rate and 20Hz~20KHz frequency response	
31	Special Features	Support AGC (Automatic Gain Control,15 segment)/ AFC (Adaptive Feedback Cancellation)/ ANC(Active Noise Control 15 segment)/ Mix (Auto-Mix) technology	
32	Control & Indicators	OLED Display, MIC ON/OFF,Volume up and down	
33	Interfaces	Socket for Pluggable Gooseneck microphone	
		3.5mm stereo Headphone jack	
		2x RJ45 Connectors	
34	Input impedance	2 k $\Omega$	
35	Signal to Noise Ratio	70 dB	
36	Frequency response	20 ~ 20000Hz	
37	Microphone	Cardioid,Sensitivity--46dBV/Pa,Length-485mm	
38	Certifications	CE,FCC and RoHS	
39	Warranty	3 Years	

## 5. Specification of All in One DSP

S No	Parameter	Specifications	Compliance Yes/No
1	Digital Signal Processor	The DSP should have a 100% Full Duplex Echo Cancelling – no attenuation during full-duplex.	
2		The system should be Automatic echo cancellation (AEC).	
3		The system should be Automatic Gain Control (AGC).	
4		The system should be Dynamic Noise reduction.	
5		The should have frequency response between 20 Hz – 20 KHz	
6		The DSP should have USB port for integrating with Unified Software solutions like Skype, Lync, etc.	
7		DSP Should have dual capability of Local Sound Reinforcement and Far end Audio to be sent for Video conferencing at the same time without any Noise and Echo. Whatever teacher or student speaks through Collar or hand held microphone and Gooseneck microphone all should be Going to Far end Location over Video Conference and also should come out of Speakers for local Sound Reinforcement so that everyone present in class can also hear clearly.	
8	Wireless Microphone Features	The DSP should have inbuilt Amplifier. It should come as one single unit as DSP-cum-Amplifier, from day 1. It should have inbuilt Receiver for Wireless Microphones from day 1.	
9		2 no. of wireless Microphones should be supplied along with DSP from day one or more.	
10		The Microphone should have Frequency band of UHF 610MHz – 680MHz or better.	
11		The system should be Microphone Frequency Response- 80Hz~18KHz or better	
12		The system should have the facility to control the gain of microphone.	
13		The system should have LED indicator for status.	
14		Operating Range up to 100 Feet	
15	Amplifier Features	The system having inbuilt digital amplifier.	
16		The Amplifier should consist of a 200 Watts ( 100 WattsX2) at 8 Ohms or more	
17		2 no. of 50W wall mount Speakers should be supplied along with DSP from day one or more.	
18		The Amplifier should have S/N Ratio of >80dB.	
19	I/O Ports	The Amplifier should be inbuilt with DSP from day 1. Amplifier & DSP should come as single unit.	
20		Built-In 1 x Handheld, 1 x headband Microphone	
21		Unbalanced MIC input ( 1x 6.5mm phono jack )with gain control	
22		Balanced 48v/12v phantom mic inputs (2x Phoenix ports) with separate gain controller	
23		Line input – 1 x 2RCA	
24		Line Output – 1 x 2RCA	
25		USB voice interface X 1 or more	
26	Form Factor	It should have 1 X RS232 port for controlling	
27	Certification	The system should be standard 19 inches Rack Mountable or better.	
28	Warranty	Proposed product must have CE, RoHS, FCC certification. Copy to be attached as proof.	
		3 Years	

## 6. Specification of Wall Mount Speakers

S No	Parameter	Specifications	Compliance Yes/No
1	Enclosure Material	The system should be made of ABS Plastic	
2	Woofers type	The system should be have polypropylene cone woofer	
3	Woofers size	The system should be have woofer size of 5.25" or higher	
4	Tweeter type	The system should be have Titanium dome type Tweeter	
5	Tweeter size	The system should be have Tweeter size of 1" or higher	
6	Frequency response	It should be frequency bandwidth 90HZ – 20 kHz	
7	Impedance	It should have impedance of 8 ohms or higher	
8	SPL (Sound Pressure Level)	It should have SPL of 90dB or higher	
9	Power (RMS)	It should have 50 watts or higher Power (RMS)	
10	Connectors	It should have 1 (one) pair metal binding terminal type connectors	
11	Type of Mounting	It should be wall-mounting or higher	
12	Dual axis Mounting	It can be mounted vertically or horizontally in both axis	
13	Warranty	3 Years	

OEM ELIGIBILITY CRITERIA	
1	The OEM should have direct technical support staff and/or an office in <b>Odisha</b> to ensure immediate technical support. An official confirmation on the OEM's letterhead or relevant documentation must be provided.
2	The OEM must be certified with valid ISO 9001:2015, ISO 45001:2018, ISO 27001:2022, ISO 14001:2015, and ISO 50001:2018 certifications. Copies of the relevant certificates must be submitted as proof.
3	The OEM should have established office in India for a minimum of 15 years. A valid certificate of incorporation or equivalent document must be provided as proof.
4	The OEM must be a Make in India manufacturer with a factory located in India. Relevant proof must be submitted.
5	The buyer reserves the rights for any changes/cancellation/rejection of any part or whole bid, without assigning any reason whatsoever.
6	Manufacturer authorization: Wherever Authorized Distributors / Dealers are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the tender.
7	Data sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
8	Dedicated/ toll free Telephone No. for service support, Escalation Matrix for Service support.
9	The OEM must have been established in business for at least 15 years. Documented proof, such as appreciation letters from government bodies or government undertakings dated prior to 2011, must be submitted
10	The OEM must have a minimum average annual turnover of ₹80 Crores over the last three audited financial years. Proof must be provided through audited statements or CA-certified certificates.
11	The Chairman/Delegate Units with Controller, DSP, and Speakers must be sourced from a single OEM to ensure seamless integration and avoid compatibility issues.

## 7. Specification of On-Line UPS

Sl.No.	Parameter	Specifications	Compliance Yes/No
1	Capacity (in kVA / kW)	3kVA/2.4kW 1-Phase Input / 1-Phase Output with IGBT Rectifier	
2	Input Voltage Range	110-300VAC	
3	Input Frequency Range	40 - 70Hz	
4	Nominal Output voltage	200/208/220/230/240 VAC	
5	O/P Voltage	200/208/220/230/240Vac	
6	Min Inbuilt Charger	6Amp or above	
7	Efficiency(Min)	89%	
8	Output Socket	Output Socket. Minimum 2 nos. - Indian Socket & 1 Terminal Block inbuilt to the UPS back	
9	Backup Required	Min.1872 VAH for 30min.at 2000Watt Load	
10	Battery Bank Voltage	72 VDC	
11	USB Port should be available	Yes	
12	RS232 & SNMP Port	Yes	
13	Product IP	IP 20	
14	Inbuilt Automatic Bypass	Yes	
15	Intelligent Battery Management	Yes	
16	Battery Deep Discharge Protection	Yes	
17	ECO Mode	Yes	
18	Manufacturer	QMS: As per ISO 9001: 2008	
		EMS: As per ISO 14001: 2004	
		ISO 45001: 2018 TL9000 Factory calibration lab of manufacturer shall be NABL accredited in India	
19	ROHS	Yes	
20	2 Years Warranty for UPS & 2year on Battery.		