

मुख्यालय : एपीजे हाऊस, ४ था मजला, ३ दिनशा वाच्छा रोड, चर्चगेट, मुंबई - ४०० ०२०.

दूरध्वनी : (९१२२) ४१५८ ०९०० / ४१५८ ०९०९

वेबसाईट : www.mtmc.co

CIN - U99999MH1975SGC018086


जावक क्र.मपविम/प्र.का/माहिती तंत्रज्ञान/२०२२
दिनांक :- ०३/०३/२०२२

दरपत्रक जाहीर सूचना

सर्व पुरवठा धारकांना याद्वारे कळविण्यात येते की,म.प.वि.महामंडळाच्या प्रधान कार्यालयातील Conference Hall मध्ये Video Conferencing System बसविणेकरिता नामांकित एजन्सीकडून दरपत्रके मागविण्यात येत आहे.त्याचा तपशिल खालीलप्रमाणे आहे.

अ.क्र.	तपशिल	नग	दर
१	Conference Hall मध्ये Video Conferencing System बसविणेबाबत.(सोबत यादीत जोडलेल्या प्रमाणे बाबी अंतर्भूत करावयाचे आहेत.)	०१Nos.प्रमाणे	

तरी इच्छुकपुरवठा धारकांनी आपले दर सीलबंद लिफाफ्यात दि.१०/०३/२०२२रोजी दुपारी १५.०० पर्यंत कार्यालयीन वेळेत महाराष्ट्र पर्यटन विकास महामंडळ,प्रधान कार्यालय,मुंबई येथे सादर करावेत.(GSTIN/PAN CARD No./Registration no.सह.)


महाव्यवस्थापक
म.प.वि.म.,मुंबई.

ठिकाण:- मुंबई.

Wireless Microphone				
S.N	Parameter	Specifications	Compliance Yes / No	Deviations, if Any
1	System Components	It should come up with Audio Conference microphone and Wireless Receiver.		
2	Audio Interface	It should have USB port or better for charging.		
3	LED Indicator	It should have LED indicator for battery status for charging.		
4	Output Port	It should have 6.3mm Stereo Output Port.		
5	Frequency Range	It should have a Frequency Range of 2,400 ~ 2,483 GHz		
6	Modulation	It should have bandwidth Efficient Modulation Format.		
7	OTA programming	It should support 5 or 2 Mbps Over-the-Air Data Rate or better.		
8	Microphone coverage	Should have a Coverage range of 360-degree or better.		
9	Reverberation time	Should have an Reverberation time of < 0.5 seconds or better.		
10	Noise level	Should have a Noise level of < 48 dBA		
11	Pickup	Should have an Audio Pickup of Up to 10 ft radial or better.		
12	AEC	Should have an Acoustic Echo Cancellation of > 40dB or better.		
13	Audio Features	Should have Automatic Echo Cancellation, Automatic Gain Control, Automatic Noise reduction, Automatic Non Linear Processing, Automatic Level Control, Automatic Microphone Equalizer.		
14	Humidity	It should support Non- Operating humidity (Non Condensation) of 20-85% or better.		
15	Cascading	It should be supplied with 3 microphone units right from day 1		

Speaker Track Camera				
S.N	Parameter	Specifications	Compliance Yes / No	Deviations, if Any
	Advanced Voice & Face Tracking Accuracy	Camera should have advanced both audio positioning, body detection and recognition technologies which should precisely frame the active talking speaker automatically. It should automatically switch between close-up image for speaker(s) and wide-angle image		
Dual PTZ Cameras with following specifications				
1	Image Sensor	The camera should have a 1/2.8" camera sensor or better		
2	Effective Pixels	The camera should be 2.14 megapixel or better		
3	Signal To Noise ratio	The camera should have a s/n >= 50dB or better		
4	Minimum Illumination	The camera should have a minimum illumination of .5 Lux.		
5	Field of View	The camera should have a 72.5 or more degrees Wide field of view and 6.3 or more degrees tele field of view.		
6	Zoom	The camera should have an optical Zoom of 12X or more and digital zoom of 12X or more		
7	Pan/Tilt Range	The camera should have a PAN range of -90° to +90° or more and Tilt range of -30° to +90° or more.		
8	Presets	The camera should have at least 256 presets		
9	Video Output	The camera should have Video Output through Digital DVI-D Port and 3G-SDI port.		
11	Resolutions Support	The camera should support resolutions of 1080p/60,1080p/50,1080p/30,1080p/25, 720p/60,720p/50, 720p/30, 720p/25 or better.		
12	Protocols	It should support TCP, HTTP, RTSP, RTMP, ONVIF, UDP or more.		
13	Video Compression	It should support H.265/.264/MJPEG or better compression.		

14	Advanced Voice & Face Tracking Accuracy	Camera should have advanced both audio positioning, body detection and recognition technologies which should precisely frame the active talking speaker automatically. It should automatically switch between close-up image for speaker(s) and wide-angle image for all attendees and should have Built-in image switch rules according to actual meeting scenarios.		
15				
16				
17	No of PTZ cameras	Dual		
18	Autoframing	It should support Auto framing technology when 2 speakers are active at same time		
19	Presets	The camera should have at least 256 presets		
20	Video Output	The camera should have Video Output through Digital DVI-D Port and 3G-SDI port.		
Interactive Display with Trolley				
S.N O	Parameter	Specifications	Compliance	Deviations, If Any
1	Display technology	OD18		
2	Display Panel Diagonal size (mm)	1651		
3	Width of The Effective Display Area of The Panel (mm)	1428.48		
4	Height of The Effective Display Area of The Panel (mm)	803.52		
5	Display Ratio	16:09		
6	Resolution	3840 x 2160		
7	Display Colour	1.07 Billion		
8	Brightness	≥450 cd/m ²		
9	Screen Orientation	Landscape		
10	Viewing Angle	178 ° or better viewing angle		
11	Response Time	Not more than 8 ms		
12	Lifetime	50,000 hours or more		
Touch Interactive Display - Audio System				
13	Speakers	Should be seamlessly build-in the display		
14	No. Of speakers and Max.Power Output	Touch Interactive Display shall have minimum of 2 speakers with the power of each speaker at 20 Watts or above		
15	Speaker Position	Seamlessly mounted in lower side of the display. Front facing, Forward through		
Touch Interactive Display - Touch Technology				
16	Deployment of Touch Technology	Advanced Infrared		
17	Thickness of the touch glass	4mm Toughened Glass		
18	Surface technology	Anti-Glare		
19	Touch accuracy	1mm		
20	Touch Sensor	Infrared or Capacitive		
21	Touch Points in Windows	Must have a touch capability of minimum 20 points		
22	Writing Tool	Shall use with stylus pen or finger		

Touch Interactive Display - Connectivity Ports		
23	Front Interface	HDMI in*1, USB touch*1. USB3.0*3 (all systems are 3,0)
24	Inputs	HDMI in*2, DP in*1, Type C*1, VGA*1, VGA audio in*1, AV in*1, YPbPr in*1, USB2.0*1,Public USB3.0*1,Camera USB3.0*1, USB touch*1, LAN in*1
25	Outputs	SPDIF out*1,LAN out*1,(HDMI out is optional)
26	Other	RS232*1
Smart System(Android)		
27	Chips	Hisi810
28	CPU	Quad-core A73+A53 1.5GHz
29	GPU	Quad-Core MaliG51
30	Android version	Android8.0
31	Inbuilt WiFi	Dual WiFi (5G & 2.4G), Dual Hotspot (5G & 2.4G) BT5.0
32	RAM	4G
33	ROM	32G, with TF card slot available
34	Built-in Software:	Whiteboard, File manager, Screen mirroring, Chrome, google playstore, Youtube, WPS, Welcome Page, Settings, Calculator, User Manual, Float tool, Side tool bar, Note, Vote, Screen recording.
35	Object Regonisation	This product supports object recognition and produces different effects according to the diameter and size of the input objects. <ul style="list-style-type: none"> ● Fist/palm: identified as an eraser (100 pt). ● Fine Pen (3mm): suggested to use while writing. ● Thick Pen (≥ 8 mm)/ finger: suggested to use when you want to highlight
Touch Interactive Display - System Safety		
36	Mounting Capabilities	Display must have facility to mount on floor stand or wall brackets
37	Certification	Proposed Product must have BIS certification. And Attach the copy as proof.
38	Provision of OPS slot	Interactive display must have OPS slot for PC applications
39	Suitable wall mount kit with accessories	Equipment has to be supplied with suitable wall mount kit and accessories
40	Storage Temperature/Humidity	-10°C ~ 45°C/5% ~ 90%
41	Power consumption	≤230W
42	Shipping Weight	71.5kg
43	Panel type	IPS Ultra HD
44	Contrast Ratio	1200:1
45	Dynamic Contrast Ratio	30000:1
46	Display Colors	1.07 Billion
47	Glass Transmission	>92%
48	Touch Accuracy	±1mm
49	OPS	Interactive display must have OPS in slot and should be supplied with OPS
50	Processor	It should have Intel i5 processor (8th generation) or more
51	RAM	It should have RAM of 4GB
52	ROM / Storage memory	It should have memory storage of 256GB SSD or higher

53	Interface	It should have USB2.0 x 2 ports, USB3.0x 4 ports, DP outx1 port, HDMI out x1 port.		
54	Network	It should have RJ45 LAN port x 1		
55	WiFi	It should have inbuilt WiFi with two antennas.		
56	Bluetooth	It should have Bluetooth version 4.0 or above		
57	Audio ports	It should have 3.5mm with Mic/Line-inx1 port, Line-out 3.5mmx 1 port.		


**General Manager,
M.T.D.C. Ltd.**

S.No.	Pre-Qualification Criteria
1	Video Conference Solution OEM Should have direct technical support staff in Mumbai/ Maharashtra for immediate technical support. Official HR documentation Required.
2	Video Conference Solution OEM Shoud have an Office & Authorised Service Centre in Mumbai for immediate support. Valid Document for both Office & Service Centre should be submitted on OEM Letter head.
3	Video Conference Solution OEM Must have valid ISO 9001:2015, ISO 27000:2013 and ISO 14001:2015 Certified Company. (Related certificate copy required).
4	Video Conference Solution OEM should have established office in India from more than 10 Years. (Valid Certificate of incorporation required).
5	Video Conference Solution OEM should be in the Video Conference Line of Business from at least last 10 years. (Documented Proof Required). PO or Appreciation Letters for Video Conference Deployment from Government bodies, Government Undertaking prior to 2011 should be attached.
6	Bid Specific Manufacturer authorization: Wherever Authorised Distributors / Dealers are submitting the bid, Manufacturers Authorisation 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	Datasheet 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 Number for service support, Escalation Matrix for Service support.
9	Video Conference Solution OEM should have at least implemented of minimum 3 orders with Speaker Tracking Camera Wireless Microphones and Interactive displays in each orders in the last 3 years running successfully in government sector including Government departments/Universities/ Educational Institutes/ Public service undertaking / PSU Banks in INDIA. PO Copy or Appreciation letter required from Universities/ State Govt. / Public service undertaking / PSU Banks in India.
10	The Video Conference Camera, Audio Solution & Interactive Display should be from the same OEM to avoid any integration Issues.
11	On Premise Presentation & POC needs to be done - if asked by the Buyer, for the proposed solution before opening of the Financial Bid. Financial Bids of only Technically Qualified OEMs will be Opened.


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