

Bid Document

Bid Details	
Bid End Date/Time	28-05-2020 18:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Management (iim)
Office Name	Sambalpur, Odisha
Total Quantity	37
Item Category	Microphone , Microphone , PA Mixer , Electronic Lectern , PA Speaker , Professional Large Format Display , Audio Digital Signal Processor , Visual Presenters , USB Camera for Video Conferencing System
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Primary product category	Audio Digital Signal Processor

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Microphone (8 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type	Wireless	Wireless
	Form Factor	Handheld	Handheld
	If Wireless, Operating Range (meter)	91	More than 91.0 Or higher
	If Table Top, Length of Goose-neck (mm)	0	*
	Polar Pattern / Directionality	Cardioid	Cardioid
	Microphone Transducer Type	Dynamic	*
	Inbuilt Speaker	No	*
	Frequency Response (Hz)	20-20,000 Hz	*
	Equivalent Noise Level (dBa)	0	*
	Signal to Noise Ratio (dB)	103	*
	Electrical impedance (ohm)	0	*
	Sensitivity	-50 dBV/Pa (3.15 mV)	*
	LED Indicator	Available	*
	On/Off switch	Available	*
	Volume Control	Yes	*
	Audio Connector Type	XLR	*
	Casing Material	Metal	*
	Power Source	-	*
	Operating Temperature Range (Degree C)	-	*
	Operating Humidity (RH%)	95	*
Dimension (W x H x L) (mm)	-	*	
Warranty (Years)	3	3	

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019,Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	8	30

Microphone (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type	Wireless	Wireless
	Form Factor	Collar (Lapel)	Collar (Lapel)
	If Wireless, Operating Range (meter)	100	More than 100.0 Or higher
	If Table Top, Length of Goose-neck (mm)	0	*
	Polar Pattern / Directionality	Cardioid	Cardioid
	Microphone Transducer Type	Condenser	*
	Inbuilt Speaker	No	*
	Frequency Response (Hz)	20-20,000 Hz	*
	Equivalent Noise Level (dBa)	103	*
	Signal to Noise Ratio (dB)	103	*
	Electrical impedance (ohm)	0	*
	Sensitivity	-54.5 dBV/Pa (1.85 mV)	*

LED Indicator	Not Available	*
On/Off switch	Available	*
Volume Control	No	*
Audio Connector Type	XLR	*
Casing Material	Plastic	*
Power Source	-	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (RH%)	95	*
Dimension (W x H x L) (mm)	-	*
Warranty (Years)	3	3

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019,Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	2	30

PA Mixer (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type	Analog	Analog
	Number of Channels	4	*
	Inputs	Mic,Line	*
	Outputs	Main	*
	Signal to Noise Ratio (dB)	90	*

Impedance (ohms)	4	*
Built-in USB option	Not Available	*
Phantom Power (Volts)	48V	*
Computer Connectivity	Not Available	*
Total harmonic distortion (dB)	-6	*
Treble (Hz)	20000	*
Bass (Hz)	45000	*
On-board Effects	Yes	*
Number of Faders (Number)	0	*
Rack Mount Kit	Not Available	*
Dimensions (mm x mm x mm)	-	*
Weight (Kg)	6	*
Power Consumption (Watt)	320	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (RH %)	54	*
BIS Registration under CRS of Meity	Exempted	*
BIS Registration Number and its validity	-	*
Availability of Test Reports from Central Govt/ NABL/ILAB accredited lab covering all the declared parameters as per Governing specification	-	*
If Yes, Test Report Number	-	*
If Yes, Test Report date	-	*
If Yes, Name of the Lab	-	*
If Yes, Address of the Lab	-	*
Warranty (Year)	3	3

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019, Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	1	30

Electronic Lectern (1 pieces)**Technical Specifications**

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Type	Type of Electronic Lectern	Processor Based	Processor Based
Chassis	Type of Chassis/ Frame	Metallic	Metallic
	Mount Tupe	Floor Mounted With Wheels	*
	Material of Chassis	Polymer Coated CRCA Steel Sheet	*
	Thickness of Enclosure (mm)	1.6 mm(Min) CRCA Sheet	*
	Screwless Chasis	Yes	*
	Adequate Space for Additional Devices	Yes	*
	Drawers / Cabinets	Yes	*
	If yes, Lockable	Yes	*
Display	Display	Available	Available
	Display Size (inches)	21 to 22	21 to 22
	Display Type	LED	LED
	Screen Resolution (Pixles)	1920×1080	1920×1080
	Aspect Ratio	16:09	*
	Tilt Screen	Yes	*
	If yes, Tilt Mechanism	Motorized	*
	Pre-Build Housing	Yes	*
	Touch Support	Available	*

	If yes, Touch Type	Capacitive	*
	Stylus	No	No
	Stylus Type	Battery Free Pen	Battery Free Pen
	Antiglare	Yes	*
	Scratch Resistant	Yes	*
	Vandal Resistant Screen	Yes	*
	Brightness (NITS) Minimum	250	250
	BIS Registration Number Under CRS for Display	-	*
System Details	Processor Make	Intel	*
	Processor Series	Intel core i5	*
	Processor configuration	-	*
	Operating System (Pre-loaded)	Windows 10	Windows 10
	Antivirus with one year Antivirus with one year liscense	Not-Available	*
	RAM Memory(Gb)	4	*
	Storage/HDD (GB)	1024	1024
	Built-in Standard Keyboard	Available	*
	Built-in Mouse	Available	*
Visualiser	Visualiser	Not-Available	*
	Total Pixels (Mega Pixel)	-	*
	Zoom Functionality	Not-Available	*
	Zoom	-	*
	Frame Rate (fps)	30	*
	Shooting Area	-	*
	Focus	Manual	*
	Resolution (Pixel)	-	*
	Internal Memory (Gb)	0	*
	Remote Control	Not-Available	*
	White Balance	Manual	*
	VGA Port	Not-Available	*
	HDMI	Not-Available	*
Audio Port	Not-Available	*	

	SD Card Slot	Not-Available	*
	USB 2	0	*
	USB 3	Not-Available	*
	LAN	Not Available	*
Built-in Devices	Optical Disk Drive Compatibility	No	*
	Inbuilt Speakers	Not-Available	*
	Number of Speakers	0	*
	Wattage of Each Speaker (Watt)	-	*
	Central Control Panel	Available	*
	Gooseneck Mic	0	*
	Wireless Mic	0	*
	Handheld Mic	0	*
	Wireless Reciever	0	*
	Amplifier	Available	*
	Amplifier Wattage (Watt)	-	*
Console Panel Ports	Usb 2	2	*
	Usb 3	2	*
	VGA Ports	3	*
	HDMI Ports	3	*
	Video Pin	1	*
	RJ 45	1	*
	Power Backup Min 30 Minutes	Not Available	Not Available
	Cooling System	Available	*
Generic Information	Maximum Power Consumption (Watt)	-	*
	Operating Temperature Range (Degree C)	5-45	*
	Storage Temperature (Degree C)	-10 to 55	*
	Operating Humidity (RH) (%)	40 Deg at 90% RH non condensing	*
	Storage Humidity (RH) (%)	-	*
	Overall Dimensions (cm x cm x cm)	-	*
	Weight (Kg)	-	*
	BIS Registration	-	*

	Number for Rest of the Components		
	On site OEM Warranty in years	3	3

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019,Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	1	30

PA Speaker (16 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specifications	Speaker Type	Main Speaker	Main Speaker
	Amplification Method	Passive Speaker	Passive Speaker
	If Powered , Amplifier Class	NA	*
	Configuration	Two Way	Two Way
	Number of Speakers	1	1
	Frequency Response (Hz)	150-10,000Hz	*
	Low Frequency Unit with Size in Inches	-	*
	High Frequency Unit with Size in inches	-	*
	Sound Pressure Level (SPL) (1W/1m) (dB)	88	*
	Coverage Pattern	-	*
	Maximum Level Sound	107	*

Pressure Level (dB)		
Nominal Impedance (Ohm)	16	*
Speaker Port	Sealed Enclosure	*
Side Handles	Yes	*
Connectors	XLR (Male)	*
Enclosure	Aluminium Sheet	*
Mounting	Wall Mount	*
LED Indicators	No	*
BIS Registration Number under CRS of Meity for Powered Speaker	-	*
Dimensions (H x W x D) (mm x mm x mm)	-	*
Weight (Kg)	2.9	*
Power Rating (Watt)	30	*
AC Power Input	230V ~ 50/60 Hz	*
Warranty (Years)	3	3, 4, 5 Or higher

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019,Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	16	30

Professional Large Format Display (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Ungrouped	Screen Size	216	216, 247, 228, 304,

(Diagonal) Minimum (cm)		254 Or higher
Technology	LED Backlit	LED Backlit
Screen Type	Touch	Touch
Panel Technology	In Plane Switching (IPS)	*
Orientation	Landscape	*
Native Resolution (Pixels)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
Aspect Ratio	16:9	16:9
Brightness (Nits) Minimum	450	450, 500, 600, 700, 1000, 1500 Or higher
Native Contrast Ratio (Minimum)	-	*
Viewing Angle (Horizontal:Vertical)	178:178	*
Response Time (milli seconds)	6	*
Bezel width (mm)	34	*
Number of Speakers	2	*
Arrangement of Speakers	Inbuilt	*
Wattage of Speaker (with maximum 10% THD) (Watt)	15	*
Output Port for audio output if internal speakers are not there	Available	*
VGA Port	Available	*
HDMI Port	Available	*
DVI-D Port	Not Available	*
Display Port	Not Available	*
USB Port	Available	*
RS 232C Port	Available	*
RJ 45	Available	*
In built Sinage Software	Not Available	*
Power Consumption in Operating Mode (Maximum) (Watt)	155	*
Power Consumption in Sleep Mode (Maximum) (Watt)	1	*
Duty Cycle	16 x 7	16 x 7
Mounting arrangement	-	*

BIS Registration under CRS of Meity	Exempted	*
If Yes, BIS Registration number	-	*
ROHS Compliance	Yes	*
Power Supply	230 V AC, 50 Hz	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (%RH)	-	*
Dimensions (L X B) (cm x cm)	-	*
Weight (Kg)	-	*
Accessories to be supplied : AC Power cord, remote control, user manual, wall mount bracket, necessary cables and connectors	Yes	*
On Site OEM Warranty (Year)	3	3

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019, Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	2	30

Audio Digital Signal Processor (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)

Performance Specifications

Maximum Number of Channels	48	More than 48.0 Or higher	
Inputs	Mic	Mic, Line, Mic / Line Or higher	
Outputs	Main	Main, Other Or higher	
No of Mic Inputs	12	12.0 - 20.0 Or higher	
Number of Line Inputs	20	More than 20.0 Or higher	
Number of Mic/Line Inputs	12	12.0 - 20.0 Or higher	
Number of Phantom Power Inputs	7	7.0 - 20.0 Or higher	
USB input for Soft VC	Yes	*	
Number of USB channel	8	*	
USB Bit Depth (Bit)	24	*	
Frequency Response (Minimum) (Hz)	20	*	
Frequency Response (Maximum) (Hz)	20000	*	
Input Impedance (Ohm)	80000	*	
Output Impedance (Ohm)	207	*	
Phantom Power (Volt)	36	*	
THD(%)	0.04	*	
Sample Rate (dBm)	48000	*	
Ethernet Port	Yes	*	
RS 232 port	Yes	*	
PSTN port for telephone	Yes	*	
VOIP port for telephone	Yes	*	
Configuration Port	Ethernet	*	
Dialer Supported	Software and Hardware both	*	
AEC	Yes	*	
Number of AEC Ports	12	*	
Number of Line Output	8	*	
Number of Mic/Line Output	8	*	
FEATURES	DSP Expandability option	Yes	*
	Expansion Protocol	AVB	*
	Limiter	Yes	*

	Filters	Yes	*
	Feedback supressor	Yes	*
	Mixer	Yes	*
	Matrix	Yes	*
	Rack Mount Kit	Yes	*
	wirelessly Controllable through smart devices	Yes	*
	If Yes, type of devices	Windows	*
	Other Features, if any	-	*
Others	Dimensions (mm x mm x mm)	-	*
	Weight (Kg)	4	*
	Maximum Power Consumption(Watt)	Yes	*
	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	45	*
	Operating Humidity (RH) (%)	98	*
	Other certifications available	UL,CE,FCC,RoHS	*
	Availability of Test Reports from Central Govt/ NABL/ILAB accredited lab covering all the declared parameters as per Governing specification	No	*
	If Yes, Test Report Number and Date	-	*
	If Yes, Name of the Lab	-	*
	If Yes, Address of the Lab	-	*
	Warranty	3	3 Or higher

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

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S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019,Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	2	30

Visual Presenters (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Ungrouped	Type	Desktop	Desktop
	Technology	CMOS	CMOS
	Resolution (Pixels)	Full HD (1920 x 1080)	Full HD (1920 x 1080)
	Image Pickup Device	2	*
	Video Frame Rates (fps)	30	30.0 - 100.0 Or higher
	Optical Zoom	17	17.0 - 50.0 Or higher
	Shooting Area (mm)	A4,A3	*
	Focussing Arrangement	Auto & Manual Both	Auto & Manual Both
	Layout	Landscape & Portrait Both	*
	Lens Focal Length (mm)	340	*
	Digital magnification	32	*
	Image Memory (Number of Images)	1101	More than 1101.0 Or higher
	Image Rotation Facility (Degree C)	90	*
	Light Source	White LED	*
	Life Of Lamp used (Years)	3	*
	USB Port (Number)	1	*
	VGA Port (Number)	2	*
	DVI-I Port (Number)	0	*
	HDMI Port (Number)	2	*
	RS 232 Port (Number)	0	*
Network	No	No	

Connectivity		
Full Function Remote Control	Yes	*
Light Box	No	*
Certifications Available	-	*
Power Requirement	230V, 50 Hz AC	*
Standard Accessories to be provided	Yes	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (% RH)	95	*
Dimensions (mm x mm x mm)	-	*
Weight	2.39	*
TTC covering all the parameters from a Central Govt Lab/an ILAC accredited Lab/ NABL approved Lab	No	*
If Yes, TTC Number	-	*
If Yes, TTC Date	-	*
If Yes, Name of the Lab	-	*
If Yes, Address of the Lab	-	*
On Site OEM Warranty (Years)	3	3

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019,Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	1	30

USB Camera For Video Conferencing System (4 pieces)

Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type of USB Camera for Video Conferencing System	USB Camera without Speaker Phone	USB Camera without Speaker Phone
	Type of Camera & Speaker Phone Combination	Stand alone USB Camera	Stand alone USB Camera
	Resolution	Full HD(1920 x 1080 progressive signal)	Full HD(1920 x 1080 progressive signal)
	Compression Format	H.264	*
	Frame Rate	60 fps	60 fps
	Zoom Range Optical	5X	*
	Zoom Range Digital	5X	*
	Field of View (Degree)	120	*
	Controls Settings of PAN , TILT and Zoom	Yes	*
	Remote Control	Yes	*
	Integrated Speakers	No	*
	Number of MICS	1	*
	Auto Focus	Yes	*
	UL/CE certification	-	*
	Certifications available	NA	*
	Operating Temperature Range (Degree C)	-	*
	Operating humidity (Rh %)	80	*
Installation & Commissioning	Yes	*	
Availability of Test Reports from Central Government / NABL approved / ILAC accredited lab to prove conformity to the specification (Test reports are to be furnished when demanded by buyer)	No	*	
On Site OEM Warranty (Year)	3	3	

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ratri Parida	768019,Indian Institute of Management Sambalpur, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur, Odisha- 768019	4	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---