Revised Technical Specifications of the 50.0N .H Items Required	Initial Technical Specifications of the Items RequirUMD-e102/71/6	91.No
	Digital Plush Mounted Chilinaina Digital Plush	.1
	n for Transforming India	
IM) Ity Flushed Digital Conference Unit with On/ Off Fush button to Activate/Deactivate the	Off Push button to Activate/Deactivate the	
Cardioid/ Super Cardioid/ Array Mic polar nattern, 16 or more inches length with	the dealer with around 16 method length with	
lackable connector. 02. original solution to switch off all the	Dated:-12/0' Dated:-12/0'	7/2019
Departs Override Button to switch off all the delegate units.		

Sub:-Invitation of online bids for procurement of a Audio Conference/PA System in Committee Room (Bengal Tiger) of NITI Aayog. Ref:-Pre-Bid Meeting held on 09/07/2019 at 11:00 AM in Committee Room No.134, NITI Bhawan.

With reference to Communication Cell's E-tender notification No.05/17/2019-CMU dated 01/07/2019 (Tender Id: 2019_NITIA_482432_1), the Pre-Bid Meeting was convened on 09/07/2019 at 11:00 AM in Committee Room No.134 under the Chairmanship of Director (Communications). Depending upon the feedback received from the representative of the prospecting bidding firms and with a view to attract maximum participation in the bidding process, it has been decided to make relevant changes in the technical specifications of the products required by NITI Aayog, as mentioned at Annexure 6 & 7 of the original tender document and in the footnotes of the Financial Bid Format as mentioned at Annexure 9 of the original tender document. The changes made in the tender document are highlighted hereunder in Red Colour. The revised Annexure 6, 7 & 9 are also attached for ready reference. All other terms and conditions of the tender document, apart from the ones indicated hereunder in red colour, will remain unchanged.

Number of Audio Channels – Min 4, expandable upto 32. Four different microphone operating modes should be supported. Automatic, First-In-First-On (FIFO), VOX (voice activated), and Manual. <u>Automatic Mixer Connecting Cables and Connectors:-</u>	Four different microphone operating modes should be supported: Automatic, First-In-First-On (FIFO) VOX (voice activated), and Manual MKA- MKA- (N.K.Arora) (N.K.Arora) Under Secretary to the Govt, of India
Copy to:- 1. Central Public Procurement Portal 2. Website of NITI Aayog	Eight-channel or more Automatic Mixer capable of being linked for installations to 200 or more input channels. Frequency Response 20 Hz to 20 kHz (+/- 01dB). 2 or more aux-level signals Automatic gain adjustments as additional microphones are activated
Digital Feedback Suppressor: - 2 or more Input Channels. Automatic feedback deduction and filter deployment. 15 or more filters per channel. Selectable Low-High filters. Frequency Response. 20 kHz (+/-	 5. Digital Feedback Suppressor: - 2 or more input Channels. Automatic feedback deduction and filter deployment. 15 or more filters per channel. Selociable Low-High filters Erequency Response: 20 Hz to 20 kHz (+/-

SI.No	Initial Technical Specifications of the Items Required	Revised Technical Specifications of the Items Required
1.	Digital Flush Mounted Chairman Unit with Connecting Cables and Connectors:-	Digital Flush Mounted Chairman Unit with Connecting Cables and Connectors:-
Maru,	Fully Flushed Digital Conference Unit with On/ Off Push button to Activate/Deactivate the microphone.	Fully Flushed Digital Conference Unit with On/ Off Push button to Activate/Deactivate the microphone.
10001 7/2019	Dual flex Gooseneck Microphone with Cardioid polar pattern, around 16 inches length with lockable connector. Priority Override Button to switch off all the	Single/Dual Flex Gooseneck Microphone with Cardioid/ Super Cardioid/ Array Mic polar pattern, 16 or more inches length with lockable connector.
em in	delegate units. Fixed Speak and Function Buttons.	Priority Override Button to switch off all the delegate units. Fixed Speak and Function Buttons.
2. ITIN .	Digital Flush Mounted Delegate Unit with Connecting Cables and Connectors:- 00 11 16	Digital Flush Mounted Delegate Unit with Connecting Cables and Connectors:-
-CMU nvened frector of the	Dual flex Gooseneck Microphone with Cardioid polar pattern, around 16 inches length with lockable connector.	Fully Flushed Digital Conference Unit with On/ Off Push button with chairman priority. Single/Dual flex Gooseneck Microphone with Cardioid/ Super Cardioid/ Array Mic polar pattern, 16 or more inches length with lockable connector. Fixed Speak and Function Buttons.
3. of the	Digital Central Control Unit with Connecting Cables and Connectors:-	Digital Central Control Unit with Connecting Cables and Connectors:-
tender of the lighted ready e ones	Should be able to operate atleast 50 conferencing inputs without any software or accessories. Analog In – 2 or more. Analog Out – 8 or more. LAN Ports – 4 or more. Number of Audio Channels – Min 4, expandable upto 32. Four different microphone operating modes should be supported: Automatic, First-In-First-On (FIFO), VOX (voice activated), and Manual.	Should be able to operate atleast 30 conferencing inputs without any software or accessories. Analog In - 2 or more, (Optional) Analog Out - 8 or more. (Optional) LAN Ports (CAT 5/ CAT 6/ RJ45/ etc.) - 2 or more. Number of Audio Channels - Min 4, expandable upto 32. Four different microphone operating modes should be supported: Automatic, First-In-First-On (FIFO), VOX (voice activated), and Manual.
4. India	Eight-channel or more Automatic Mixer capable of being linked for installations to 200 or more	Automatic Mixer Connecting Cables and Connectors:- Eight-channel or more Automatic Mixer capable of being linked for installations to 200 or more
	input channels. Frequency Response: 20 Hz to 20 kHz (+/- 01dB). 2 or more aux-level signals Automatic gain adjustments as additional microphones are activated.	input channels. Frequency Response: 20 Hz to 20 kHz (+/- 01dB). 2 or more aux-level signals Automatic gain adjustments as additional microphones are activated.
5.	Digital Feedback Suppressor: - 2 or more Input Channels. Automatic feedback deduction and filter deployment.	Digital Feedback Suppressor: - 2 or more Input Channels. Automatic feedback deduction and filter deployment.
	15 or more filters per channel. Selectable Low-High filters. Frequency Response: 20 Hz to 20 kHz (+/-	15 or more filters per channel. Selectable Low-High filters. Frequency Response: 20 Hz to 20 kHz (

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oto	01dB). Other INCOLORISTICAL AND	01dB).
6.	Wireless Handheld Microphone :-	Wireless Handheld Microphone :-
	ning of a complete Audia Conferencian(PA Su	County Installation Testing & Commission
	Type. Dynamic.	
	Polar Pattern: Cardioid. upon stouborg off To snot	Polar Pattern: Cardioid/ Supercardioid.
	Frequency Auto Scan Functionality.	Frequency Auto Scan Functionality.
	Operating Range – Atleast 40 Meters.	Operating Range – Atleast 40 Meters.
ate the	Battery Life: Should be 08 hours or more.	Battery Life: Should be 08 hours or more.
7.	Wireless Lapel Microphone :-	Wireless Lapel Microphone :-
	Polar Pattern: Omnidirectional.	Polar Pattern: Omnidirectional.
	Frequency Auto Scan Functionality.	Frequency Auto Scan Functionality.
	Operating Range – Atleast 40 Meters.	Operating Range – Atleast 40 Meters.
	Battery Life: Should be 8 hours or more.	Battery Life: Should be 8 hours or more.
8.	Amplifier with built-in digital player/ recorder	Amplifier with built-in/external digital player
	with connecting cables & connectors:-	recorder with connecting cables d
	dira an	connectors:-
	Fower Output 120 Watt or more.	pattern, to or more menes tengen with
	Input Channels 4 Mic Inputs or more,	Power Output 120 Watt or more.
	1 Aux Input or more.	Input Channels 4 Mic Inputs or more
	Speaker Output 4 Ω , 8 Ω , 70V &	1 Aux Input or more.
	100V.	Speaker Output 4 Ω , 8 Ω , 70V &
	Digital Player MP3 with USB, SD	100V. and U. show to 8 - 100 golant.
	Card Reader.	Digital Player MP3 with USB, SI
	Recorder MP3 with USB, SD	Card Reader.
	Card Reader.	Recorder MP3 with USB, SI
	Power Supply AC 220-240VAC,	Card Reader.
	DC 12V.	Power Supply AC 220-240VAC
200 or	xer capable of being linked for installations to	Eight-channel or more Auto.V21 DC
	Superior Quality Equipment Rack	Superior Quality Equipment Rack
the state of the s		
the state of the s	Speakers with connecting cables and	
the state of the s	Speakers with connecting cables and connectors:-	2 of more aux-level sign-isrotonoo
<u>9.</u> 10.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers	connectors:- rest level-sus atom to S Superior Quality Ceiling Mounted Speakers of
the second s	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the	connectors:- and level-sub-stora to S Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V.
the state of the s	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with th
and the second se	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the	connectors:- and level-sub storm to S Superior Quality Ceiling Mounted Speakers o 20 W or more, 100V.
and the second s	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier.	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
the state of the s	Speakers with connecting cables and <u>connectors:-</u> Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. (8b10-++)	connectors:- Superior Quality Ceiling Mounted Speakers o 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u>	Speakers with connecting cables and <u>connectors:-</u> Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. (8b10-++)	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with th Amplifier.
10.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. :- (8b10 - ++) In case items listed at Sl.No.3 (Digital Central Control Contro	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u>	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers and The Speakers should be fully compatible with the Amplifier. Image: Speakers should be fully compatible with the Amplifier. :- (8b10-\+) In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidded	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with th Amplifier.
10. <u>NOTE</u>	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers and The Speakers should be fully compatible with the Amplifier. Image: Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.No.3	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with th Amplifier.
10. <u>NOTE</u> a.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.No Financial Bid Format at Annexure 9 by quoting the second	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u> a.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.No Financial Bid Format at Annexure 9 by quoting the second	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u> a.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.No Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) &	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u> a.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.Ne Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer)	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier. Introl Unit), Sl.No.4 (Automatic Mixer) & Sl.No.4 er as a single unit and it has technical specification to 4 and 5 above, the same may be indicated in the the total cost of the single unit in front of Sl.No.4 Sl.No.5 (Digital Feedback Suppressor) are sold by cum Feedback Suppressor) and it has technical
10. <u>NOTE</u> a.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.Ne Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) of the bidder at Sl.No.4 (St.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) of the bidder as	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier. Introl Unit), Sl.No.4 (Automatic Mixer) & Sl.No.4 er as a single unit and it has technical specification 0.4 and 5 above, the same may be indicated in the the total cost of the single unit in front of Sl.No.4 Sl.No.5 (Digital Feedback Suppressor) are sold by cum Feedback Suppressor) and it has technical lo.4 and 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cum
10. <u>NOTE</u> a.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.No Financial Bid Format at Annexure 9 by quoting the bidder as a single unit (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) of Sl.No.4 (Automatic Mixer)	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier. Introl Unit), Sl.No.4 (Automatic Mixer) & Sl.No.4 er as a single unit and it has technical specification 0.4 and 5 above, the same may be indicated in the the total cost of the single unit in front of Sl.No.4 classical superssor) are sold by cum Feedback Suppressor) are sold by cum Feedback Suppressor) and it has technical lo.4 and 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cum context).
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10. <u>NOTE</u> a. b.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. (8b10 - ++) In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.No Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & Sponter (Automatic Mixer) & (Automatic Mixer) & (Automatic Mixer) & (Automatic Mixer) & (Automatic	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier. Introl Unit), Sl.No.4 (Automatic Mixer) & Sl.No. er as a single unit and it has technical specification to 4 and 5 above, the same may be indicated in the the total cost of the single unit in front of Sl.No. Sl.No.5 (Digital Feedback Suppressor) are sold by cum Feedback Suppressor) and it has technical lo.4 and 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cur ic Mixer).
10. <u>NOTE</u> a. b.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.Ne Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder (Automatic Mixer)	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u> a. b.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.Ne Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder (Automatic Mixer)	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier. Introl Unit), Sl.No.4 (Automatic Mixer) & Sl.No.4 er as a single unit and it has technical specification to 4 and 5 above, the same may be indicated in the the total cost of the single unit in front of Sl.No.4 Sl.No.5 (Digital Feedback Suppressor) are sold by cum Feedback Suppressor) and it has technical lo.4 and 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cum ic Mixer).
10. <u>NOTE</u> a. b.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.Ne Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder (Automatic Mixer)	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u> a. b.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at SI.No.3 (Digital Central Coo (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at SI.No.3, SI.No.7 Financial Bid Format at Annexure 9 by quoting the Digital Central Control Unit). In case items listed at SI.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder & the bidder & t	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.
10. <u>NOTE</u> a. b.	Speakers with connecting cables and connectors:- Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier. In case items listed at Sl.No.3 (Digital Central Co (Digital Feedback Suppressor) are sold by the bidde of all the three units, as indicated at Sl.No.3, Sl.No Financial Bid Format at Annexure 9 by quoting the (Digital Central Control Unit). In case items listed at Sl.No.4 (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder as a single unit (Automatic Mixer) & the bidder as a single unit (Automatic Mixer or specifications of both the units, as indicated at Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No Financial Bid Format at Annexure 9 by quoting the Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No Financial Bid Format at Annexure 9 by quoting the Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No Financial Bid Format at Annexure 9 by quoting the Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No Financial Bid Format at Annexure 9 by quoting the Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No Financial Bid Format at Annexure 9 by quoting the Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No Financial Bid Format at Annexure 9 by quoting the Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer or specifications of both the units, as indicated at Sl.No Financial Bid Format at Annexure 9 by quoting the Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer or	connectors:- Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier. Introl Unit), Sl.No.4 (Automatic Mixer) & Sl.No.4 er as a single unit and it has technical specification 0.4 and 5 above, the same may be indicated in the total cost of the single unit in front of Sl.No.4 Sl.No.5 (Digital Feedback Suppressor) are sold by cum Feedback Suppressor) and it has technical io.4 and 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cur io.4 and 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cur io.4 and 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cur is Mixer). Intervention Supervision And 5 above, the same may be indicated in the total cost of the single unit (Automatic Mixer cur is Mixer). Intervention Supervision Intervention

Power Supply AC 220-24 Superior Quality Equipment Rack

Revised Annexure-6 of e-Tender Ref.No.05/17/2019-CMU dt 01/07/2019

Supply, Installation, Testing & Commissioning of a complete Audio Conferencing/ PA System

biological states (Technical Specifications of the products required) and another and

SI.No	Item Description	
1.	Digital Flush Mounted Chairman Unit with Connecting Cables and Connectors:- Fully Flushed Digital Conference Unit with On/ Off Push button to Activate/Deactiv microphone.	vate the
	Single/Dual Flex Gooseneck Microphone with Cardioid/ Super Cardioid/ Array Microphone and Super Cardioid/ Array Microphone Super Cardioid/ S	c pola
2.	Digital Flush Mounted Delegate Unit with Connecting Cables and Connectors:-	
	Fully Flushed Digital Conference Unit with On/ Off Push button with chairman priority.	
	Single/Dual flex Gooseneck Microphone with Cardioid/ Super Cardioid/ Array Mic	c pola
	pattern, 16 or more inches length with lockable connector.	
	Fixed Speak and Function Buttons.	
3.10111 10	Digital Central Control Unit with Connecting Cables and Connectors:-	
	Should be able to operate atleast 30 conferencing inputs without any software or accessor	ies.
	Analog Out 9 on mone (Ontional)	
	LAN Ports (CAT 5/ CAT 6/ RJ45/ etc.) – 2 or more.	
SB, SD	Number of Audio Channels – Min 4, expandable upto 32.	
da da	From different minutes and the day of the late of the day of the First L. First C.	(FIFO)
SB, SD	VOX (voice activated), and Manual.	()
4. AV04		
.9AV04	Eight-channel or more Automatic Mixer capable of being linked for installations to	200 0
la marte	Superior Quality Equipment Rack Superior Qualit slannab turni arom	200 0.
bna a	Encry an an D ann and 20 Hz to 20 Hz (1/ 01 JD)	.01
MILL E	2 or more aux-level signals	
	Automatic gain adjustments as additional microphones are activated.	
5	Digital Feedback Suppressor: -	
with the	Digital i coubach ouppicoout	
	Automatic feedback deduction and filter deployment.	
	15 or more filters per channel.	
	Selectable Low-High filters.	
	Frequency Response: 20 Hz to 20 kHz (+/- 01dB).	NOTE
6.		
SI NO.13	Wireless Handheld Microphone :- Type: Dynamic.	
	Polar Pattern: Cardioid/ Supercardioid.	
	Total Lattern. Calubra, Supercalubra.	
	Frequency Auto Scan Functionality	
	Operating Range – Atleast 40 Meters	
	Operating Range – Atleast 40 Meters.	
2.04.18	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :-	đ
SI No.3 Sold b.7	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional	.d
	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional.	.d
SI No.3 SI No.3 Sold b.7 Schoical d in the ser cum	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality.	.d
	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters.	.d
d in the ser cum	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more.	
d in the ser cum	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more. Amplifier with built-in/external digital player/ recorder with connecting cables & connect	
d in the ser cum	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more. Amplifier with built-in/external digital player/ recorder with connecting cables & connect Power Output 120 Watt or more.	
d in the ser cum	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more. Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more. Amplifier with built-in/external digital player/ recorder with connecting cables & connect Power Output 120 Watt or more. Input Channels 4 Mic Inputs or more, 1 Aux Input or more.	
d in the ser cum	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more.Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more.Amplifier with built-in/external digital player/ recorder with connecting cables & connect Power OutputInput Channels4 Mic Inputs or more, 1 Aux Input or more.Speaker Output4 Ω , 8 Ω , 70V & 100V.	
	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more.Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more.Amplifier with built-in/external digital plaver/ recorder with connecting cables & connect Power OutputInput Channels4 Mic Inputs or more, 1 Aux Input or more.Speaker Output4 Ω , 8 Ω , 70V & 100V.Digital PlayerMP3 with USB, SD Card Reader.	
d in the ser cum	Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more.Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more.Amplifier with built-in/external digital player/ recorder with connecting cables & connect Power OutputInput Channels4 Mic Inputs or more, 1 Aux Input or more.Speaker Output4 Ω , 8 Ω , 70V & 100V.	

10. Speakers with connecting cables and connectors Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.

CompleteAudio Conterencing/ PA System
(Technical Specifications of the products offered)
-: 3TOM

- a. The items listed at Sl. No. 1 to 7 above should necessarily be of the same Brand/ Make with two years warranty.
 - **b.** In case items listed at Sl.No.3 (Digital Central Control Unit), Sl.No.4 (Automatic Mixer) & Sl.No.5 (Digital Feedback Suppressor) are sold by the bidder as a single unit and it has technical specifications of all the three units, as indicated at Sl.No.3, Sl.No.4 and 5 above, the same may be indicated in the Financial Bid Format at Annexure 9 by quoting the total cost of the single unit in front of Sl.No.3 (Digital Central Control Unit).
 - c. In case items listed at Sl.No.4 (Automatic Mixer) & Sl.No.5 (Digital Feedback Suppressor) are sold by the bidder as a single unit (Automatic Mixer cum Feedback Suppressor) and it has technical specifications of both the units, as indicated at Sl.No.4 and 5 above, the same may be indicated in the Financial Bid Format at Annexure 9 by quoting the total cost of the single unit (Automatic Mixer cum Feedback Suppressor) in front of Sl.No.4 (Automatic Mixer).
 - **d.** All the quoted equipment should be fully compatible with each other.

Buttons. Digital Flush Mounted Connecting Cables and

Analog Out - 8 or more

Revised Annexure-7 of e-Tender Ref.No.05/17/2019-CMU dt 01/07/2019

Supply, Installation, Testing & Commissioning of a CompleteAudio Conferencing/ PA System (Technical Specifications of the products offered)

NOTE:

SI. No.	Item Description	Make & Model of the Product Offered	Whether Technical Specificatio ns Complied (Yes /No)	Whether Technical Specifications vetted by OEM (Yes/ No)	Remarks
1.	Digital Flush Mounted	no way way Succ	(1)	ibal Central Control Un	(Dis
sold by	Connecting Cables and	lixer cum Fccdl	nit (Automatic N	iso items listed at SI N bidder as a single u	
in the cr cum	Connectors:- Fully Flushed Digital Conference Unit with On/ Off	ng the total cost intomatic Mixer)	nexure 9 by quot ant of SLNo.4 (At	ucial Bid Format at Ar back Suppressor) in fr	
	Push button to Activate/Deactivate the microphone. Single/Dual Flex Gooseneck	ipatible with each	rould be faily con	ne quoted equipment s	d, All
	Microphone with Cardioid/ Super Cardioid/ Array Mic				
	polar pattern, 16 or more inches length with lockable connector.				
	Priority Override Button to switch off all the delegate units. Fixed Speak and Function				
	Buttons.				
2.	Digital Flush Mounted Delegate Unit with Connecting Cables and				
	Connectors:- Fully Flushed Digital Conference Unit with On/ Off Push button with chairman				
	priority. Single/Dual flex Gooseneck Microphone with Cardioid/ Super Cardioid/ Array Mic				
	polar pattern, 16 or more inches length with lockable connector. Fixed Speak and Function				
	Buttons.				
3.	Digital Central Control Unit with Connecting Cables and Connectors:-				
	Should be able to operate atleast 30 conferencing inputs without any software				
	or accessories. Analog In – 2 or more. (Optional)				

	(Optional)	hours or more.	
	LAN Ports (CAT 5/ CAT 6/		D
	RJ45/ etc.) – 2 or more.		.8
	Number of Audio Channels -	in/esfermal digital player/	
	Min 4, expandable upto 32.	recorder with connecting	
	Four different microphone	cables & connectorsi-	
	operating modes should be	Power Output	
1	supported: Automatic, First-	120 Watt or more.	
	In-First-On (FIFO), VOX	Input Channels 4	
	(voice activated), and Manual.	Mic Inputs or more, I Aux	
		Input or more	
4.	Automatic Mixer	Speaker Output 4	
	Connecting Cables and		
	Connectors:-	$\Omega, \otimes \Omega, 70V \& 100V.$	
	Eight-channel or more	Dıgıtal Player	
	Automatic Mixer capable	MP: with USB, SD Card	
	of being linked for	Reader.	
	installations to 200 or more	Recorder	
		MP with USB, SD Card	123 13
	input channels.	Reader	
	Frequency Response: 20 Hz		
	to 20 kHz (+/- 01dB).	Power Supply	
	2 or more aux-level signals	AC 220-240VAC, DC 12V.	1 - Call
	Automatic gain adjustments	Superior Quality	9.
	as additional microphones	Equipment Rack	
	are activated.	Superior Quality Ceiling	01
	and the second se	Mount Speakers with	
5.	Digital Feedback	connecting cables and	
	Suppressor: -		
	2 or more Input Channels.	contectors	
	Automatic feedback	Superior Quality Celling	
	deduction and filter	Monated Speakers of 20 W	
	deployment.	or more, 100V.	lesses in
	15 or more filters per	The Speakers should be fully	1.3 8 8.4
		compatible with the	
	channel.	Auglifier.	1
	Selectable Low-High		
	filters.		
	Frequency Response: 20 Hz		
	to 20 kHz (+/- 01dB).		
6.	Wireless Handheld		
	Microphone :-		
	Type: Dynamic.		
	Polar Pattern: Cardioid/		
	Supercardioid.		
	Frequency Auto Scan		
	Functionality.		
	Operating Range – Atleast 40		1.5.15
1.	Meters.		
	Battery Life: Should be 08		
-	hours or more.		
7.	Wireless Lapel		
	Microphone :-		
	Polar Pattern:		
	Omnidirectional.		
	Frequency Auto Scan		
	Functionality.		
	Operating Range – Atleast		
	40 Meters.		
1	Battery Life: Should be 8		

hours or more.	(lensing))
8. Amplifier with built-	LAN Ports (CAL 5/ CAL 6/ RJ45/ etc.) - 2 or more.
in/external digital player/	Nawa etc.) - 2 or more. Number of Audio Channels -
recorder with connecting	Min I, expandable upto 32.
cables & connectors:-	
Power Output	Foundifferent microphone operating modes should be
120 Watt or more.	supported: Automatic, First
Input Channels 4	
Mic Inputs or more, 1 Aux	In-First-On (EfFO), VOX
Input or more.	(voice activated), and Manual.
Speaker Output 4	Automatic Miyer
	Connecting Cables and
Ω, 8 Ω, 70V & 100V.	Connectors: -
Digital Player	Eight-channel or more
MP3 with USB, SD Card	Automatic Mixer capable
Reader.	of being linked for
Recorder	installations to 200 or more
MP3 with USB, SD Card	input channels.
Reader.	
Power Supply	Frequency Response: 20 Hz
AC 220-240VAC, DC 12V.	to 20 kHz (+/- 01dB).
	2 or more aux-level signals
9. Superior Quality	Automatic gain adjustments
Equipment Rack	as additional microphone
0. Superior Quality Ceiling	are potivated.
Mount Speakers with	Digital Feedback
connecting cables and	Suppressor: -
connectors	2 or more Input Channels
Superior Quality Ceiling	
Mounted Speakers of 20 W	Automatic feedback
or more, 100V.	deduction and filter
The Speakers should be fully	deployment.
compatible with the	15 or more filters per
Amplifier.	channel.
	Selectable Low-High
	filters.
	Frequency Response: 20 Hz
	to 20 kHz (+/- 01dB).
	Wireless Handheld
	Microphone :-
	Type: Dynamic
	Polar Pattern: Cardioid/
	Frequency Auto Scan
	Functionality
	Operating Range ~ Atleast 40
	Dattery Life: Should be 08
	Vireless Lapel
	Microphane :-
	Polar Pattern:
	Omni firectional.
	Frequency Auto Scan
	Operating Range - Atleast
	40 Meters. Bartery Life: Should be 8

	Committee	e Room: BENG	AL TIGER- (Item-wise rate	for the	products requi	red) total (bar
Sl.No.	Item Description		Unit Price of the Item/ Equipment (Excluding GST) Rs.	Total Price of the Item(s)/ Equipment (Excluding GST) Rs.	Rate of GST (%)	Unit Price of the Item/ Equipment (Including GST) Rs.	b. The actual
(A)	(B)	(C)	(D)	(E)=C*D	(F)	(G)	(H)= C*G
chn f al ic same of the sold by	Chairman Unit with Connecting Cable and	i). (Digital Foodba	ted at SLNo mat at Auno i Control lin at) & SLNo.5	cial Bid For ligital Centra atomatic Mix	hree ni Finan No.3 (1 10 4 (A	dicated in the in front of SL ns listed at SL	muy he in single unit e In case iter
chnical	connectors (10	dback Suppres	ver cum Fea	utomatic Mi	(A) tiqu	as a single	the Indder
bo 2. oib) koolback	Digital Flush Mounted Delegate Unit with Connecting Cable and connectors	of An Aly rice of ngle unit (Auto	cost of the si	oring the tota	at by qu	ns of both the retal Bid Form) in from of SI	in the Fitta
. E nig with T Stainf	Digital Central Control Unit with Connecting Cable and connectors	10 ignature of the					
4.	Automatic Mixer with Connecting Cable and connectors	01					Dated - <u>/ /2019</u>
5.	Digital Feedback Suppression with Connecting Cable and connectors	01			41		
6.	Wireless Handheld Microphone	01					
7.	Wireless Lapel Microphone	01					
8.	Amplifier with Built-In Digital Player/ Recorder with Connecting Cable and connectors	02					
9.	Equipment Rack	01					

connecting		
cables and b U MO-0102\11\ connectors	vised Annexure-9 of e-Tender Ref.No.05	Re
	nt listed at SI, No. 1 to 10 / 15 moost colline Rs.	
te Rate Unit Price Total Price of the of of the item/ item(s)/	Item Indicative Unit Price Total Price Description Requirement of the of the	.oVI.I
GST Equipment equipment -: stol	Item/ Item/ Item(s) Equipment Equipment Equipment	
	tided on the basis of Grand Total indicated at Row 11 above.	
	d at the time of Placement of Work Order depending up	
c. Taxes will be payable at the applical	ble rates from time to time.	
	Digital Central Control Unit), Sl.No.4 (Automatic Min	xer)
 may be indicated in the Financia single unit in front of Sl.No.3 (Dig e. In case items listed at Sl.No.4 (Auto the bidder as a single unit (Auto specifications of both the units, as in 	matic Mixer) & Sl.No.5 (Digital Feedback Suppressor) are a omatic Mixer cum Feedback Suppressor) and it has te adicated at Sl.No.4 and 5 of Annexure 6, the same may be in	of the sold be chnice
	ng the total cost of the single unit (Automatic Mixer cum Fe omatic Mixer).	edbad
Suppressor) in front of Sl.No.4 (Aut	Delegate Offin	
	Cable and	
	connectors	
	Digital Contral 01	3.
	Signature of the applicant bidder alo Rubber	
		i Stat
	Cable and	
Dated:- / /2019		
Dated:- / /2019	Cable and connectors	
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting	
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and	
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and connectors	
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and connectors Digital 01	4
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and connectors Digital 01 Feedback	
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and connectors Digital 01	
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and connectors Digital 01 Feedback Suppression with Connecting With Connecting Cable and	
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and connectors Digital 01 Feedback Suppression with Connecting with Connecting Cable and connecting	4. 5.
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and Cable and Digital 01 Feedback Suppression With Connecting With Connecting Cable and Wireless 01	4. 5.
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and connectors Digital 01 Feedback Suppression with Connecting with Connecting Cable and connecting	4. 5.
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and Cable and Digital 01 Digital 01 Feedback Suppression With Connecting with Connecting With Connecting Witeless 01 Connectors Mireless 1 apel 01	4. 5.
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and Cable and Digital 01 Digital 01 Digital 01 Suppression Suppression with Connecting with Connecting Wite Connecting Wireless 01 Mireless 01 Mireless 01	4. 5.
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and Cable and Digital 01 Digital 01 Digital 01 Suppression Suppression with Connecting with Connecting Witeless Cable and Wireless 01 Mireless Lapel 01 Mireless Lapel 01 Mierophone Microphone 02 Mierophone 02	4. 5.
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and Digital 01 Digital 01 Suppression Suppression With Connecting With Connecting With Connecting With Connecting Witeless 1 Mireless 01 Mireless Lapel 01 Miretess Lapel 01 Miretess Lapel 01 Miretophone Mierophone Miretophone Miretophone Miretophone Miretophone Miretophone Miretophone Miretophone	4 5 0
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and Digital 01 Digital 01 Suppression Suppression with Connecting Wireless Cable and Wireless 1 Miretess Lapel 01 Miretess Lapel 01 Miretess Lapel 01 Miretess Lapel 01 Miretess Lapel 01 Miretess Lapel 01 Miretess Lapel 01 Miretes 10 Miretes 10 Mire	4 5 0
Dated:- / /2019	Cable and connectors Automatic 01 Connecting Cable and Cable and Digital 01 Suppression Suppression with Connecting Wireless Cable and Wireless Lapel 01 Microphone 01 Microphone 01 Microphone 01 Connecting Handheld 01 Microphone 01 Connecting Mireless Lapel 01 Microphone 02 Connecting Recorder with 02 Recorder with	4 5 0
Dated:- / /2019	Cable and connectors Automatic 01 Mixer with Connecting Cable and Ecolback Feedback Suppression Suppression Witeless of Cable and Wireless 01 Microphone 01 Microphone 01 Microphone 01 Microphone 01 Microphone 01 Microphone 01 Microphone 02 Microphone 02 Microphone 02 Microphone 02 Connecting Recorder with 02 Player/ Player/ Cable and 02 Microphone 02 Connecting Connecting Connecting Connecting Connecting Cable and	4 5 0
Dated:- / /2019	Cable and connectors Automatic 01 Connecting Cable and Cable and Digital 01 Suppression Suppression with Connecting Wireless Cable and Wireless Lapel 01 Microphone 01 Microphone 01 Microphone 01 Connecting Handheld 01 Microphone 01 Connecting Mireless Lapel 01 Microphone 02 Connecting Recorder with 02 Recorder with	4. 5. 6. 7.