

Sl.No	Initial Technical Specifications of the Items Required	Revised Technical Specifications of the Items Required
1.	<p>Government of India National Institution for Transforming India (NITI Aayog)</p> <p>Sansad Marg, New Delhi-110001 Dated:-12/07/2019</p> <p>Corrigendum</p> <p>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.</p> <p>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.</p>	<p>Government of India National Institution for Transforming India (NITI Aayog)</p> <p>Sansad Marg, New Delhi-110001 Dated:-12/07/2019</p> <p>Corrigendum</p> <p>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.</p> <p>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.</p>
2.	<p>Under Secretary to the Govt. of India</p> <p><i>(N.K.Arora)</i></p>	<p>Copy to:-</p> <ol style="list-style-type: none"> 1. Central Public Procurement Portal 2. Website of NITI Aayog

Sl.No	Initial Technical Specifications of the Items Required	Revised Technical Specifications of the Items Required
1.	<p><u>Digital Flush Mounted Chairman Unit with Connecting Cables and Connectors:-</u></p> <p>Fully Flushed Digital Conference Unit with On/Off Push button to Activate/Deactivate the microphone. Dual flex Gooseneck Microphone with Cardioid polar pattern, around 16 inches length with lockable connector. Priority Override Button to switch off all the delegate units. Fixed Speak and Function Buttons.</p>	<p><u>Digital Flush Mounted Chairman Unit with Connecting Cables and Connectors:-</u></p> <p>Fully Flushed Digital Conference Unit with On/Off Push button to Activate/Deactivate the microphone. Single/Dual Flex Gooseneck 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.</p>
2.	<p><u>Digital Flush Mounted Delegate Unit with Connecting Cables and Connectors:-</u></p> <p>Fully Flushed Digital Conference Unit with On/Off Push button with chairman priority. Dual flex Gooseneck Microphone with Cardioid polar pattern, around 16 inches length with lockable connector. Fixed Speak and Function Buttons.</p>	<p><u>Digital Flush Mounted Delegate Unit with Connecting Cables and Connectors:-</u></p> <p>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.</p>
3.	<p><u>Digital Central Control Unit with Connecting Cables and Connectors:-</u></p> <p>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.</p>	<p><u>Digital Central Control Unit with Connecting Cables and Connectors:-</u></p> <p>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.</p>
4.	<p><u>Automatic Mixer Connecting Cables and Connectors:-</u></p> <p>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.</p>	<p><u>Automatic Mixer Connecting Cables and Connectors:-</u></p> <p>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.</p>
5.	<p><u>Digital Feedback Suppressor: -</u></p> <p>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 (+/-</p>	<p><u>Digital Feedback Suppressor: -</u></p> <p>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 (+/-</p>

	01dB).	01dB).
6.	<u>Wireless Handheld Microphone :-</u> Type: Dynamic. Polar Pattern: Cardioid. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more.	<u>Wireless Handheld Microphone :-</u> Type: Dynamic. Polar Pattern: Cardioid/ Supercardioid. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more.
7.	<u>Wireless Lapel Microphone :-</u> Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more.	<u>Wireless Lapel Microphone :-</u> Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more.
8.	<u>Amplifier with built-in digital player/ recorder with connecting cables & connectors:-</u> Power Output 120 Watt or more. Input Channels 4 Mic Inputs or more, 1 Aux Input or more. Speaker Output 4 Ω, 8 Ω, 70V & 100V. Digital Player MP3 with USB, SD Card Reader. Recorder MP3 with USB, SD Card Reader. Power Supply AC 220-240VAC, DC 12V.	<u>Amplifier with built-in/external digital player/ recorder with connecting cables & connectors:-</u> Power Output 120 Watt or more. Input Channels 4 Mic Inputs or more, 1 Aux Input or more. Speaker Output 4 Ω, 8 Ω, 70V & 100V. Digital Player MP3 with USB, SD Card Reader. Recorder MP3 with USB, SD Card Reader. Power Supply AC 220-240VAC, DC 12V.
9.	<u>Superior Quality Equipment Rack</u>	<u>Superior Quality Equipment Rack</u>
10.	<u>Speakers with connecting cables and connectors:-</u> Superior Quality Ceiling Mounted Speakers The Speakers should be fully compatible with the Amplifier.	<u>Speakers with connecting cables and connectors:-</u> Superior Quality Ceiling Mounted Speakers of 20 W or more, 100V. The Speakers should be fully compatible with the Amplifier.

NOTE:-

- a. In case items listed at SI.No.3 (Digital Central Control Unit), SI.No.4 (Automatic Mixer) & SI.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 SI.No.3, SI.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 SI.No.3 (Digital Central Control Unit).
- b. In case items listed at SI.No.4 (Automatic Mixer) & SI.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 SI.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 SI.No.4 (Automatic Mixer).

	Amplifier with built-in/external digital player/ recorder with connecting cables & connectors:-	8
	Power Output 120 Watt or more. Input Channels 4 Mic Inputs or more, 1 Aux Input or more. Speaker Output 4 Ω, 8 Ω, 70V & 100V. Digital Player MP3 with USB, SD Card Reader. Recorder MP3 with USB, SD Card Reader. Power supply AC 220-240VAC, DC 12V.	
	Superior Quality Equipment Rack	9

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
(Technical Specifications of the products required)

Sl.No	Item Description												
1.	<p>Digital Flush Mounted Chairman Unit with Connecting Cables and Connectors:- Fully Flushed Digital Conference Unit with On/ Off Push button to Activate/Deactivate the microphone. Single/Dual Flex Gooseneck 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.</p>												
2.	<p>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.</p>												
3.	<p>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) 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.</p>												
4.	<p>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.</p>												
5.	<p>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 (+/- 01dB).</p>												
6.	<p>Wireless Handheld Microphone :- Type: Dynamic. Polar Pattern: Cardioid/ Supercardioid. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more.</p>												
7.	<p>Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8 hours or more.</p>												
8.	<p><u>Amplifier with built-in/external digital player/ recorder with connecting cables & connectors:-</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Power Output</td> <td>120 Watt or more.</td> </tr> <tr> <td>Input Channels</td> <td>4 Mic Inputs or more, 1 Aux Input or more.</td> </tr> <tr> <td>Speaker Output</td> <td>4 Ω, 8 Ω, 70V & 100V.</td> </tr> <tr> <td>Digital Player</td> <td>MP3 with USB, SD Card Reader.</td> </tr> <tr> <td>Recorder</td> <td>MP3 with USB, SD Card Reader.</td> </tr> <tr> <td>Power Supply</td> <td>AC 220-240VAC, DC 12V.</td> </tr> </table>	Power Output	120 Watt or more.	Input Channels	4 Mic Inputs or more, 1 Aux Input or more.	Speaker Output	4 Ω, 8 Ω, 70V & 100V.	Digital Player	MP3 with USB, SD Card Reader.	Recorder	MP3 with USB, SD Card Reader.	Power Supply	AC 220-240VAC, DC 12V.
Power Output	120 Watt or more.												
Input Channels	4 Mic Inputs or more, 1 Aux Input or more.												
Speaker Output	4 Ω, 8 Ω, 70V & 100V.												
Digital Player	MP3 with USB, SD Card Reader.												
Recorder	MP3 with USB, SD Card Reader.												
Power Supply	AC 220-240VAC, DC 12V.												
9.	Superior Quality Equipment Rack												

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.

NOTE:-

- 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.

			<p>Buttons Fixed Speak and Function connector. inches length with lockable polar pattern. 16 or more super Cardioid Array Mic Microphone with Cardioid SingleDual for Goosneck microphone. Push button Conference Unit with On/Off</p>
			<p>Buttons Fixed Speak and Function connector. inches length with lockable polar pattern. 16 or more super Cardioid Array Mic Microphone with Cardioid SingleDual for Goosneck priority Push button with chairman Conference Unit with On/Off Fully Flashed Digital Connectors:- Connecting Cables and Delegate Unit with Digital Flush Mounted</p>
			<p>Buttons Fixed Speak and Function connector. inches length with lockable polar pattern. 16 or more Analog In - 2 or more or accessories inputs without any software atleast 30 connecting should be able to operate Cables and Connectors:- Unit with Connecting Digital Central Control</p>

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

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

NOTE:

Sl. No.	Item Description	Make & Model of the Product Offered	Whether Technical Specifications Complied (Yes /No)	Whether Technical Specifications vetted by OEM (Yes/ No)	Remarks
1.	<p>Digital Flush Mounted Chairman Unit with Connecting Cables and Connectors:- Fully Flushed Digital Conference Unit with On/ Off Push button to Activate/Deactivate the microphone.</p> <p>Single/Dual Flex Gooseneck 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.</p>				
2.	<p>Digital Flush Mounted Delegate Unit with Connecting Cables and Connectors:- Fully Flushed Digital Conference Unit with On/ Off Push button with chairman priority.</p> <p>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.</p>				
3.	<p>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) Analog Out - 8 or more.</p>				

	<p>(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.</p>				<p>hours or more Amplifier with built-in internal digital processor with connecting cables & connectors Power Output 120 Watt or more Input Channels 4 Mic inputs or more 1 Aux</p>	8
4.	<p>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.</p>				<p>Input or more Speaker Output 4 Ω 8Ω, 70V & 100V Digital Player MP3 with USB, SD Card Reader Recorder MP3 with USB, SD Card Reader Power Supply AC 220-240VAC, DC 12V</p>	9
5.	<p>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 (+/- 01dB).</p>				<p>Mount 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</p>	10
6.	<p>Wireless Handheld Microphone :- Type: Dynamic. Polar Pattern: Cardioid/ Supercardioid. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 08 hours or more.</p>					
7.	<p>Wireless Lapel Microphone :- Polar Pattern: Omnidirectional. Frequency Auto Scan Functionality. Operating Range – Atleast 40 Meters. Battery Life: Should be 8</p>					

Revised Annexure-9 of e-Tender Ref.No.05/17/2019-CMU dt 01/07/2019

Committee Room: BENGAL TIGER- (Item-wise rate for the products required)

Sl.No.	Item Description	Indicative Requirement (In Nos.)	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.	Total Price of the item(s)/ equipment (Including GST) Rs.
(A)	(B)	(C)	(D)	(E)=C*D	(F)	(G)	(H)= C*G
1.	Digital Flush Mounted Chairman Unit with Connecting Cable and connectors	01					
2.	Digital Flush Mounted Delegate Unit with Connecting Cable and connectors	14					
3.	Digital Central Control Unit with Connecting Cable and connectors	01					
4.	Automatic Mixer with Connecting Cable and connectors	01					
5.	Digital Feedback Suppression with Connecting Cable and connectors	01					
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					

