

## Addendum

Tender For Installation of Audio Visual System in PIDB Conference Hall

Sl.No.	Query	Clarification
1	<b>Appendix B - Video System (Point 2)</b> Wall Mount Kit Customized - instead of HCL	Kindly refer to the revised <b>Appendix-B</b> (Details of Items for Installation of Audio Visual System in PIDB Conference Hall) and <b>Appendix-F</b> (Format of Financial Bid) mentioned herein below.
2	<b>Appendices B &amp; F - Video Conferencing Systems</b>	
3	<b>Appendices B &amp; F - Audio System</b> Push Button Switch for Microphone - Instead of Clearone/AKG/Shure/bosch	
4	<b>Appendices B &amp; F - Control System</b>	
5	<b>Appendix E- Technical Specifications of Items [Point no 2 (A) to (E)] - Audio System</b>	Refer to the revised Technical Specification of Audio System.
6	<b>Clause 1.12 - Earnest Money Deposit</b>	Earnest Money Deposit reduced form Rs.1,00,000/- (Rupees one lac) to Rs. 50,000/- (Rupees fifty thousand only).

## Addendum

### Appendix-B (Revised)

#### DETAILS OF ITEMS FOR INSTALLATION OF AUDIO VISUAL SYSTEM IN PIDB CONFERENCE HALL

##### Summary of Items:

Sl. No.	Description	Make	Qty
<b>Video System:</b>			
1	LCD Display 54" (Minimum Size) Diagonal Viewing Image, 1920 X 1080 Resolution, 2000: 1 Contrast ratio	Samsung/Panasonic/Sony	1
2	Wall Mount Kit for LCD display	HCL or equivalent	1
3	Cable cubby (1 VGA + Audio & 1 Power Socket)	Extron	2
4	15-pin HD Male to Male VGA Molded Connectors with Audio Cable	Extron	2
<b>Audio System</b>			
1	Table Embedded Microphone	AKG/Shure/Bosch/Crown	17
2	Handheld Wireless Microphone System	AKG/Shure/Bosch/Crown	2
3	Push Button Switch for Microphone	Customized	17
4	Professional Conferencing Systems (Amplifier cum mixer)	Clearone/Biamp	3

5	Ceiling Speakers	JBL/Bose	6
<b>Installation &amp; Commissioning</b>			
1	12 U AV Rack	Customized	1
2	Bulk Cables & Connectors	Customized	1
3	Installation & Termination	Customized	1

**Addendum**  
**Appendix-F (Revised)**  
**FORMAT OF FINANCIAL BID**

To

\_\_\_\_\_  
\_\_\_\_\_

**SUB: FINANCIAL BID FOR INSTALLATION OF AUDIO-VISUAL SYSTEM IN PIDB CONFERENCE HALL**

Dear Sir,

Reference to your Tender No \_\_\_\_\_ dated \_\_\_\_\_.

We hereby submit our quotation for a total of Rs \_\_\_\_\_ (A+B), with following breakup of two components as per Tender Document issued by Client is as under:-

- A) Our Quote for Installation of Audio Visual System in PIDB Conference Hall is for amount Rs. \_\_\_\_\_.  
(inclusive of all taxes, etc.)

Sr. No.	Name of Items	Qty	Cost per Unit (In Rs)	Total Cost	Make/Model
(a)	<u>Basic Cost of Items</u>				

1.	LCD Display 54" (Minimum Size) Diagonal Viewing Image, 1920 X 1080 Resolution, 2000:1 Contrast ratio	1			Samsung/ Panasonic/ Sony
2.	Wall Mount Kit for LCD display	1			HCL or equivalent
3.	Cable cubby (1 VGA + Audio & 1 Power Socket)	2			Extron
4.	15-pin HD Male to Male VGA Molded Connectors with Audio Cable	2			Extron
<b>Audio System</b>					
1.	Table Embedded Microphone	17			AKG/ Shure/ Bosch/Crown
2.	Handheld Wireless Microphone System	2			AKG/ Shure/ Bosch/Crown
3.	Push Button Switch for Microphone	17			Customized
4.	Professional Conferencing Systems (Amplifier cum Mixer)	3			Clearone /Biamp
5.	Ceiling Speakers	6			JBL/Bose
<b>Installation &amp; Commissioning</b>					
1.	12 U AV Rack	1			Customized
2.	Bulk Cables & Connectors	1			Customized
3.	Installation & Termination	1			Customized

	<b>Total of Basic Price</b>				
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B) Our Annual Maintenance Contract (AMC) quotation for 5 (five years) is for Rs.\_\_\_\_\_. (Inclusive of all taxes, etc.).

**Validity:** The prices are valid upto \_\_\_\_\_ (fill date) (min 90 (ninety) days from opening of the tenders).

Company Seal:

(Authorised Signatory)

Place :

Date :

**Addendum**

## Appendix-E (Revised)

### Technical Specification for Audio System

1	<b>Table Embeeded Microphone</b>	
	Frequency Response	50–17000 Hz
	Sensitivity (at 1 kHz , open circuit voltage)	Cardioid: –35 dBV/Pa (18 mV) Omnidirectional: –28 dBV/Pa (42 mV) Bidirectional: –37 dBV/Pa (14 mV)
	Maximum SPL (1 kHz at 1% THD, 1 kΩ load)	Cardioid: 121 dB Omnidirectional: 114 dB Bidirectional: 123 dB
	Equivalent Output Noise (A-weighted)	Cardioid: 28 dB SPL Omnidirectional: 21 dB SPL Bidirectional: 29 dB
	Signal-to-Noise Ratio (referenced at 94 dB SPL at 1 kHz)	Cardioid: 66 dB Omnidirectional: 75 dB Bidirectional: 65 dB
	Dynamic Range (1 kΩ load at 1 kHz)	Cardioid: 93 dB Omnidirectional: 93 dB Bidirectional: 94 dB
	Logic Connections	LED IN: Active low ( $\leq 1.0V$ ), TTL compatible. Absolute maximum voltage: -0.7V to 50V.
	Environmental Conditions	Operating Temperature: -18–57 °C (0–135 °F) Storage Temperature: -29–74 °C (-20–165 °F) Relative Humidity: 0–95%
2	<b>Handheld Wireless Microphone System</b>	
		<b>Receiver</b>
	Carrier frequency	710 to 865 MHz, 1 fixed frequency
	Audio bandwidth	40 Hz to 20 kHz
	THD at 1 kHz	typ. 0,8 %
	Signal/Noise ratio	typ. 110 dB(A)
		<b>Handheld transmitter</b>
	Carrier frequency	710 to 865 MHz, 1 fixed frequency

	Audio bandwidth	65 Hz to 20 kHz
	THD at 1 kHz	typ. 0,8 %
	Signal/Noise ratio	typ. 110 dB(A)
		<b>bodypack transmitter</b>
	Carrier frequency	710 to 865 MHz, 1 fixed frequency
	Audio bandwidth	40 Hz to 20 kHz
	THD at 1 kHz	typ. 0,8 %
	Signal/Noise ratio	typ. 103 dB(A)
3	<b>Professional Conferencing Systems</b>	
	<b>Audio Performance</b>	
	Conditions: Unless otherwise specified, all measurements are performed from 20 Hz	
	Frequency Response:	20 Hz to 22 kHz +/- 1 dB
	Noise (EIN):	-126 dBu, 20 kHz BW, max gain
	THD+ Noise	<0.02%
	Dynamic Range:	>105 dB (non A weighted)
	Crosstalk	<-91 dB re 20 dBu full band
	<b>Auto Mixer Parameters</b>	
	Number of Open Microphones (NOM)	
	PA Adaptive Mode	
	First Mic Priority Mode	
	Maximum # of Mics	
	Ambient Level	
	Gate Threshold Adjust	
	Off Attenuation Adjust	
	Hold Time	
	Decay Rate	
	Chairman Override	
	96 Total Microphones per site	
	6- Global Gating Groups	
	4- Internal Gating Groups	
	RS 232	DB-9
		9.6k – 115k baud
		8/1/2000
		Hardware Flow Control

	Network	10/100 Auto Switching (PC and
		Network Port)
		HTTP Server
		Telnet Client
		SNMP Agent
		SMTP Client
		DNS
		DHCP
	Power	100-240VAC; 50/60 Hz,
		300 Watts (maximum)
		Idle: 139 BTU/hr
		Full Load: 779 BTU/hr
		Efficiency: >80%
	<b>Power Amplifiers</b>	
	Channels	4
	Amplifier Output:	4x35 Watts into 8Ω
	Impedance	Selectable 8Ω, 70V, 100V
	THD + Noise:	<0.2% (1/3 Power)
	Crosstalk	<-68 dB