

**Pre-Bid Clarification for Tender No: 163 AIIMS Bhopal/Store/Video Wall/2014-2015/01,
Dated-16/10/14**

1. Following are the changes in tender specification

	Existing	Corrigendum
Item No. 1 : LED VIDEO WALL FOR MEDICAL COLLEGE ENTRANCE (CUBE VIDEO WALL):-		
1	LED Video Cube Wall (LED Wall) P6 Indoor full color LED display Size of 500 to 600 cms or 16 – 18 Ft. X 200 to 250 cms or 7 – 8 Ft . High brightness, excellent white color balance, Multiform file formats such as VGA, Video, AVI, MOV, MPG, DAT, VOB and so on. Comprehensive information sources that can be camera, video, VCD, DVD, LD, TV and so on. Synchronous PC control. One interface for sound signal and two for video signal at least CONTROL Connected and controlled by PC via LAN and remote control Install mode. Wall mounted, hung and stand structure also. Certification - CE& ROHS& CCC&FCC Including Server Software	LED Video Wall (LED Wall) P6 Indoor full color LED display Size of 500 to 600 cms or 16 – 18 Ft. X 200 to 250 cms or 7 – 8 Ft . High brightness, excellent white color balance, Multiform file formats such as VGA, Video, AVI, MOV, MPG, DAT, VOB and so on. Comprehensive information sources that can be camera, video, VCD, DVD, LD, TV and so on. Synchronous PC control. One interface for sound signal and two for video signal at least CONTROL Connected and controlled by PC via LAN and remote control Install mode. Wall mounted, hung and stand structure also. Certification - CE& ROHS& CCC&FCC Including Server Software.
Item No. 2 : LED VIDEO WALL 168 INCH :-		
2	Commercial-grade 46" LED-backlit panels bezel free with high brightness and contrast, and featuring a super-narrow 5.3mm bezel that minimises image content loss, a critical factor in multi-screen applications with a DVI-D output terminal, daisy chain connection to multiple monitors (up to four) can be realised on a digital basis Control commands can be sent from a computer through the LAN network to enable setting changes and remote diagnosis of multiple displays for efficient, centralised management Open Pluggable Specification compatibility allows use of a personal computer card, 3G-SDI, etc., enabling a wider scope of applications. Along With The Suitable Custom Made Media Player or Controller. Approved Makes –NEC / CHRISTIE / MITSUBISHI	Commercial-grade 46" LED-backlit panels bezel free with high brightness and contrast, and featuring a super-narrow bezel that minimises image content loss, a critical factor in multi-screen applications with a DVI-D output terminal, daisy chain connection to multiple monitors (up to four) can be realised on a digital basis Control commands can be sent from a computer through the LAN network to enable setting changes and remote diagnosis of multiple displays for efficient, centralised management Open Pluggable Specification compatibility allows use of a personal computer card, 3G-SDI, etc., enabling a wider scope of applications. Along With The Suitable Custom Made Media Player or Controller. Approved Makes –NEC / CHRISTIE / MITSUBISHI
3	Bezel size - 5.7 mm	Bezel size – 5.3 - 5.7 mm
4	Display device - TFT LCD (IPS)	Display device - TFT LCD (SPVA)
5	Built in stereo speakers at least 10W+10W each panel	Removed from the specification
6	Stereo Speaker 2x10 W	Removed from the specification
7	Approved Make- NEC/Christie/Mitsubishi	Approved Make- NEC/Christie/Mitsubishi/Any Make who fulfil the required specification asked in the tender document.
8		For exemption of tender and EMD fees, Bidder has to submit NSIC registration certificate along with the technical bid
9	Chapter-4 Point No 13 Submit Authorization Letter. (Attested Copy)	Chapter-4 Point No13 Submit Authorization Letter from OEM. (Attested Copy)
10	Chapter-3 Under NOTE at the end of the technical specs table The Technical Bid & Financial Bid should be kept in two	The Technical Bid & Financial Bid should be kept in two separate sealed envelope superscripting

separate sealed envelope superscripting with "Technical Bid for Furnishing of a lecture hall at AIIMS Bhopal" and "Financial Bid for Furnishing of a lecture hall at AIIMS Bhopal" otherwise the Tenderer bid will be rejected.	with "Technical Bid for Supply and Installation of Video Wall at AIIMS Bhopal" and "Financial Bid For Supply and Installation of Video Wall at AIIMS Bhopal" otherwise the Tenderer bid will be rejected.
---	---

2. Bidder has to submit the compliance report of the specification asked along with the technical bid in the same format mentioned below otherwise he will be treated as disqualified:
(Bidder has to write "YES" only if he fulfils the specification asked in the tender document otherwise has to write "NO" and can also explain in the remark column.)

Compliance of Technical Specifications should be on OEM Letter Head.

Compliance Report

S.No.	Product Description Supply, Installation & Commissioning	Compliance Yes/No	Remark
Item No. 1 : LED VIDEO WALL FOR MEDICAL COLLEGE ENTRANCE (CUBE VIDEO WALL):-			
1	P6 Indoor full color LED display Size of 500 to 600 cms or 16 – 18 Ft. X 200 to 250 cms or 7 – 8 Ft . High brightness, excellent white color balance, Multi form file formats such as VGA, Video, AVI, MOV, MPG, DAT, VOB and so on. Comprehensive information sources that can be camera, video, VCD, DVD, LD, TV and so on. Synchronous PC control. One interface for sound signal and two for video signal at least CONTROL Connected and controlled by PC via LAN and remote control Install mode.Wall mounted, hung and stand structure also. Certification - CE& ROHS& CCC&FCC Including Server Software		
	Pixel Pitch 6mm		
	Chip of LED - EPISTAR (Made in Taiwan)		
	Pixel dots / m2 - 27777pixle/m ²		
	LED per pixel SMD 3IN1 1R1G1B		
	Single Module - 32x32pixel		
	Screen Resolution- 2688x896		
	Cabinet Material – Steel		
	IC Driver - MB15024		
	Power Supply - UL Meanwell		
	Best View Distancing - >5.5 m		
	Vertical Viewing Angle- 140°		
	Constant Color Range- 16.8 million colors		
	Brightness - >1600cd/m2 Ensure brilliant images		
	Brightness Adjustment - Manual, 256 level; Auto, 8 levels		
	Grey Scale - 16,384 Shades Per Color		
	Operating Temperature -30°C~+ 60°C.10%~95%RH		
	LEDs Lifetime - >100,000 Hours		



	Refresh Rate - 1000HZ(no flickers while camcorder recording)		
	Frame Rate- 60 frames/sec		
	Color Temperature 6500K±500		
	Water proof - IP43 (front) IP54 (back)		
	Way of Drive - 1/16 constant		
	Support Mode VGA, Video, AVI, MOV, MPG, DAT, VOB , 800*800 display synchronically with the computer, correspondence dot to dot		
	Control Distance - 120 m (no repeating); Optical fiber transmission: 500m-10km		
2	Media Player (Media Controller)		
	CPU - I-7 4th Generation		
	RAM - 16 GB DDR3; 1600 MHz		
	Ethernet Port - Dual Giga Bit Lan		
	Graphics Card - GPU with 2GB DDR5 RAM		
	Operating System - Windows 7 64 bit		
	Hard Disk - 256 GB SSD RAID Enabled		
	Slots- PCI x16 2 Slots		
	Outputs - 6 Full HD Output , each of Resolution 1920x1080		
	Power consumption - 600Watt		
	Max. Supported resolution - 5760 x 2160 ; 3840 x 3240		
	Output Resolution - 5760 x 2160 ;3840 x 3240		
3	Audio System For LED Wall		
	Multiple Array System -compact, active and modular "all-in-one" Multiple Array system which combines PA and monitoring system Protective cover Castor Board Transport bag with carrying strap, padding, and zipper for optimal protection of the column speaker. Approved Make - Bose/ Ranker Scines / LD		
	Max. SPL (continuous) - 115dB		
	Frequency response: - 45 - 20,000Hz		
	Dispersion (H x V): - (horizontal) 120°		
	Low/mid driver - 2 x 8"		
	Woofer magnet - Ferrite		
	Midrange size - 16 x 3"		
	Midrange size: - 16 x 76mm		
	Tweeter dimensions: -1"		
	Mid/Hi system cabinet - aluminium		
	Amplifier: - 5-way Class A/B		
	Amplifier Output - 1600W		
	Protection circuits - Dual limiter		
	Cooling: - Aluminium heat sink		
	Line input connectors: - XLR, 6.3 mm Jack, RCA		
4	Cable Connector Hardware - Of All Required Hardware Cable Connector For Fixing Video Wall - Establishment of Server Room Along With 2 Way Pa System Connectivity		
5	Patch Bay Digital Extenders - Patch Bay PB12, Versatile, no-solder patch bay Provides 12 points in a single rack space, Normal, half-normal led and isolated configurations, 1/4" TRS for both balanced and unbalanced signals		

Signature

6	Signal Cable - signal Wire 2 core 23/0.2 ATC conductor PVC insulated, over all shielded with copper screening & PVC sheathing Approved Make : Asian, Belden, CSC		
7	Mixer – 10-Channel Mixing Console: Max. 4 Mic / 10 Line Inputs (4 mono + 3 stereo) / 1 Stereo Bus / 1 AUX (incl. FX) Total harmonic distortion 0.02 % @ +14dBu Hum & noise level -128 dBu (Mono Input Channel, Rs: 150Ω, GAIN knob: Max) Crosstalk -83 dB Level Meter 2 x 7 -segment LED meter [PEAK, +10, +6, 0, -6, -10, -20 dB] Approved Make - Soundcraft / Yamaha / Behringer		
8	Hardware On Site Construction of Video Wall Frames and Mounting Provisions, complete installation of Video Wall , wiring, audio system, console room & personnel training.		
9	Support Structure - Frame of Galvanized Steel maintaining minimum 150mm gap from the wall by using L angle, J profile, gasket strip, Hook in bracket & self-tappings screw substructure with a gap of 60- 120mm c/c as per site requirement, which is to be fixed/ anchored as per manufacturers specifications and clad with Approved mural in one of three alternative mural profiles not less than 0.5mm. Use of wood as per the strength requirement. Full with installation & commissioning.		
10	Mural Sheet – 3 Types		
10.1	MS Profile Mural Sheet : 0'6" - 1'0" gap from the wall		
	MS Profile Sheet Mural - Wall mural in metal sheets and fixing it. Wall size= 13m x 7m. LED wall dimensions= 5.3m x 2.3m. Net area for mural = 78.81 Sq. M. Mural should be atleast 150mm away from the wall or to be flushed with the LED video wall. All the fittings and cabling required for LED video wall must go from behind this mural.		
10.2	Clay Mural : 0'6" - 1'0" gap from the wall		
	Clay Mural - The design for wall mural in clay and fixing it. Wall size= 13mx7m. LED wall dimensions= 5.3m x 2.3m ,Net area for mural = 78.81 Sq. M. Mural should be atleast 150mm away from the wall or to be flushed with the LED video wall. All the fittings and cabling required for LED video wall must go from behind this mural.		
10.3	Glass mosaic mural : 0'6" - 1'0" gap from the wall		
	Glass Mosaic - The design for wall mural in glass mosaic tiles of BISAZZA or equivalent make, and fixing it. Wall size= 13m x 7m. LED wall dimensions= 5.3m x 2.3m. Net area for mural = 78.81 Sq. M. Mural should be atleast 150mm away from the wall or to be flushed with the LED video wall. All the fittings and cabling required for LED video wall must go from behind this mural.		
Item No. 2 : LED VIDEO WALL 168 INCH :-			
	LED Video Cube Wall 46" Inch LED Video Wall Bezel Free - Commercial-grade 46" LED-backlit panels bezel free with high brightness and contrast, and featuring a super-narrow bezel that minimises image content loss, a critical factor in multi-screen applications with a DVI-D output terminal, daisy chain connection to multiple monitors (up to four) can be realised on a digital basis Control commands can be sent from a computer through the LAN network to enable setting changes and remote diagnosis of multiple displays for efficient, centralised management Open Pluggable Specification compatibility allows use of a personal computer card, 3G-SDI, etc., enabling a wider scope of applications. Along With The Suitable Custom Made Media Player or Controller. Approved Makes –NEC / CHRISTIE / MITSUBISHI		

Panel Size - 46 Inch		
Display orientation - Landscape / Portrait		
Display device - TFT LCD (SPVA)		
Backlight technology - LED Direct		
Display resolution - Full HD		
Contrast ration - 3000:01:00		
Brightness - Not less than 700cd/m2		
Viewing angle (H/V):- Up/Down 178° Left/Right 178°		
Display colours - Color Calibration Function		
Bezel size - 5.3 - 5.7 mm		
Input Connectors- DVI-D, HDMI, Display Port, D-sub, Composite, Audio		
Output Connectors: - DVI-D, RCA pin-jacks, External speaker jacks, Comport,		
OPS Slot		
Digital Gradation Circuit		
Depth 128 mm		
Viewable image size - H: 1024mm / V: 578.6m		
Built in stereo speakers at least 10W+10W each panel		
Media Player - Media Controller		
CPU - I-7 4th Generation		
RAM - 16 GB DDR3; 1600 MHz		
Ethernet Port - Dual Giga Bit Lan		
Graphics Card - GPU with 2GB DDR5 RAM		
Operating System - Windows 7 64 bit		
Hard Disk - 256 GB SSD RAID Enabled		
Slots - PCI x16 2 Slots		
Outputs - 8 Full HD Output , each of Resolution 1920x1080		
Power consumption - 600Watt		
Max. Supported resolution - 5760 x 2160 ; 3840 x 3240		
Output Resolution - 5760 x 2160 ; 3840 x 3240		
Software- Multi Display System Management Software, capable of displaying multiple inputs simultaneously on Display Screen, with supportable Media Controller as required.		
MS Fabrication :- Fabrication of MS structure for Video Wall Supports		



Date Extended

Date: 04/11/2014

Note:

1. Last date of Submission with reference to Tender No.163: AIIMS Bhopal/Store/Video Wall/2014-2015/01 Dtd: 16.10.2014 for "Supply and Installation of Video Walls at AIIMS Bhopal" has been extended to 14th November 2014 (Upto 14.00Hrs) in the Tender Box Kept at the Office of Stores Officer, 1st Floor, E-Wing, Medical College Building, AIIMS Bhopal, Saket Nagar, and Bhopal- 462024 (MP)

2. Extended date of opening of technical bid for the tender is 14th November 2014 (15.00Hrs) at the Director's Board Room, 1st Floor, Admn-Wing, Medical College Building, AIIMS Bhopal, Saket Nagar, Bhopal-462024 (MP) at AIIMS Bhopal.