<u>**National Institute of Electronics and Information Technology (NIELIT)**</u>

Minutes of Meeting for Pre-Bid Meeting w.r.t. the tender "Supply Installation Testing and Commissioning of UPS, Projector, Interactive Board, Visualizer and Display Panel (Tender ID: 2017_DIT_161719_1)"

As per the schedule of RFP, the pre-bid meeting was held on 16th Jan 2017 at NIELIT HQ. The following representatives from the bidders/OEM also participated in the pre-bid meeting:

a) Sh. Mangesh Kumar Singh, Genius Presentation Pvt. Ltd.
b) Sh. Vipul Jain, Samsung India Electronics Ltd.
c) Sh. Tarun Gupta, Univesco Integration
d) Sh. Amit Mehrotra, Casio India
e) Sh. Atul Jain, Glorich India Pvt. Ltd.
f) Sh. Krishan Gopal, LG Electronics India

2. The vendors have sought only one clarification on terms and conditions i.e. BG in place of Bank Draft for EMD; however they deliberated more on Technical Specification that may be modified in accordance with current technology and a common platform for the products so as to bid

Technical Specification of UPS	
Old specification as per RFP	**Revised specification for RFP**
1. Capacity: 1 KVA 2. Battery Backup: 60 minutes 3. Input Voltage: 140 V AC to 280 V AC 4. Input DC Voltage: 24 V 5. Input Frequency: 50 Hz ± 6% 6. Input Compatibility: D/G Set 7. Output Voltage: 220V + 9% (Mains Mode), 220V+5% (Battery Mode) 8. Output Frequency: 50 Hz ± 6% (Under Mains Mode), 50 Hz ± 1% (Under Battery Mode) 9. Protection: Short Circuit, Overload, Low Battery 10. Indicators: Mains On, Load on Battery 11. Audible Alarm: Main Failure, Battery Low 12. Temperature: 0° C to 45° C	**Participants in the Pre-bid meeting suggested no change in Technical Specifications for this product.**

Technical Specification of Projector	
Old specification as per RFP	**Revised specification for RFP**
1. Power Supply: 220 to 240 V AC, 50/60 Hz 2. Resolution: Min 1024 x 768,WXGA 3. Computer Compatibility: VGA (640 x 480) to WUXGA (1920 x 1200) 4. Compatibility with Computer OS: Win XP onwards, Linux, Apple Mac 5. Lamp Life: Min. 20,000 Hrs. 6. Brightness: Min. 2000 lumens 7. On Screen Menu: English 8. Contrast Ratio: Min. 1000:1 or better 9. Aspect Ratio: Min. 16:9 10. Input/Output Connections: 1 VGA, 1 HDMI, 1 VGA out 11. Accessories: Power cord (15 meter), VGA	1. Power Supply: 220 to 240 V AC, 50/60 Hz 2. Resolution: **Min. 1024 x 768** 3. Computer Compatibility: VGA (640 x 480) to WUXGA (1920 x 1200) 4. Compatibility with Computer OS: Win XP onwards, Linux, Apple Mac 5. **Light Source Life: Min. 20,000 Hrs. (Single Unit)** 6. Brightness: **Min. 1500 lumens** 7. On Screen Menu: English 8. Contrast Ratio: Min. 1000:1 or better 9. Aspect Ratio: **Min. 4:3** 10. Input/Output Connections: 1 VGA, 1 HDMI, 1 VGA out

Old specification as per RFP	Revised specification for RFP
cable (15 meter), wireless remote control, Remote Batteries, Carry Bag, HDMI Cable (15 meter), Lens Cover etc. 12. Screen/Wall Mounted: Yes 13. Ceiling mount kit as required with necessary accessories. 14. Built in WiFi System.	11. Accessories: Power cord (15 meter), VGA cable (15 meter), wireless remote control, Remote Batteries, Carry Bag, HDMI Cable (15 meter), Lens Cover **(optional)** etc. 12. Screen/Wall Mounted: Yes 13. Ceiling mount kit as required with necessary accessories. 14. Built in WiFi System.

Technical Specification of Interactive Board	
Old specification as per RFP	**Revised specification for RFP**
1. Size: 77"/78" 2. Board Surface: Scratch resistance surface, maintenance free 3. Aspect Ratio: 16:9 4. Writing Tools: Pen, Stylus, Finger 5. Power Supply: AC 220 -240V 50/60 Hz 6. Computer Interface: USB and Bluetooth 7. Computer Compatibility: Must be compatible with Laptops, Desktops. 8. Technology: Touch (Resistive, Optical, Infrared) 9. Accessories: USB Interface cable, Electronic Pen & Pen holder, Eraser, Markers (1 Black, 1 Red, 1 Blue), Software (CD-ROM), Wall Mounting Operating Instructions & Installation Manual	1. Size: 77"/78" 2. Board Surface: Scratch resistance surface, maintenance free 3. Aspect Ratio: **4:3** 4. Writing Tools: Pen, Stylus, Finger 5. Power Supply: AC 220 -240V 50/60 Hz 6. Computer Interface: USB and Bluetooth 7. Computer Compatibility: Must be compatible with Laptops, Desktops. 8. Technology: Touch (Resistive, Optical, Infrared) 9. Accessories: USB Interface cable, **Dummy Pen** & Pen holder, Eraser, Markers (1 Black, 1 Red, 1 Blue), Software (CD-ROM**), Wall Mounting kit** with Operating Instructions & Installation Manual

Technical Specification of Visualizer	
Old specification as per RFP	**Revised specification for RFP**
1. Sensor: 1/3" CMOS 2. Total Pixel: Min. 2 Mega Pixel 3. Zoom: Min. 15x Optical or better, 9x digital 4. Frame Rate: Min. 25 5. Shooting Area: Max : 13.5" x 10.6" Min : 0.1" x 0.1" 6. Focus: Auto/Manual 7. Resolution: It should have 820 TV Lines or more 8. Signal Support: It should support the following resolutions 1024×768; 1280×1024; 1360×768; 1920×1080 or more. 9. White Balance: It should have option of Auto/ Manual White Balance. 10. Multimedia Function: It should have the following Functions: Color/Black-White, Mirror, Rotate, brightness control, freeze. 11. VGA Input: It should have at least 1 VGA inputs, 1 HDMI-IN 12. RS-232 Input: It should have RS-232 Port for Control. 13. AV Output: It should have Video Outx1, 1 VGA, 1HDMI-OUT 14. USB Output: It should have USB Port ×1 15. Control Modes: Following Control Options are required, Control Panel; Remote Controller; RS-232 Control or more 16. Power Source It should work on 100-240Volts 50-60HZ or better.	1. Sensor: 1/3" CMOS 2. Total Pixel: Min. 2 Mega Pixel 3. Zoom: Min. 15x Optical or better, 9x digital 4. Frame Rate: Min. 25 5. Shooting Area: **Min. A4** 6. Focus: Auto/Manual 7. Resolution: **Min. HD** 8. Signal Support: It should support the following resolutions 1024×768; 1280×1024; 1360×768; 1920×1080 or more. 9. White Balance: It should have option of Auto/ Manual White Balance. 10. Multimedia Function: It should have the following Functions: Color/Black-White, Mirror, Rotate, brightness control, freeze. 11. VGA Input: It should have at least 1 VGA inputs, 1 HDMI-IN 12. RS-232 Input: It should have RS-232 Port for Control. 13. AV Output: It should have Video Outx1, 1 VGA, 1HDMI-OUT 14. USB Output: It should have USB Port ×1 15. Control Modes: Following Control Options are required, Control Panel; Remote Controller; RS-232 Control or more 16. Power Source It should work on 100-240Volts 50-60HZ or better.

Technical Specification of LED Screen	
Old specification as per RFP	**Revised specification for RFP**
1. Screen Size: 55 inches 2. Aspect Ratio: 16:9 3. Picture Quality: Full HD (1920*1080) 4. Input: Minimum Two HDMI, One USB, One RS232 5. Contrast Ratio Minimum 400000:1 6. Refresh Rate: 60 Hertz 7. Power Consumption: Power consumption of 90 Watts or less 8. Energy Star rating: The panel should be energy Star rated 9. Speaker: Min. 2 speakers of 10W each 10. Brightness: Min. 300 nits	1. Screen Size: 55 inches 2. Aspect Ratio: 16:9 3. Picture Quality: Full HD (1920*1080) 4. Input: Minimum Two HDMI, One USB, One RS232 **5.** Contrast Ratio: **Native min. 1000:1 & Dynamic min. 40,000:1** 6. Refresh Rate: 60 Hertz 7. Power Consumption: **Max. 150 Watts** 8. Energy Star rating: The panel should be energy Star rated 9. Speaker: Min. 2 speakers of 10W each 10. Brightness: Min. 300 nits **11. Certification: BIS, FCC, UL**

3.   As per Clause 31 of the Tender Document the bidders are required to submit EMD in the form of Bank Demand Draft or NEFT/RTGS. In Pre-bid meeting vendors requested NIELIT to accept EMD in the form of Bank Guarantee. Therefore, Committee members clarified that according to **Rule 157 Bid Security** of GFR, EMD may be accepted in the form of Bank Guarantee issued by Nationalised/Scheduled Bank. However NIELIT may get the same verified from the bank after opening of Technical Bid and before opening of Financial Bid.