



TECHNICAL SPECIFICATIONS

(Mentioned are min. requirement) –Basic Interactive Classroom (11 Nos.)

(Technically more superior product always acceptable)

Projector with Projector Mounting Stand

3 x Brighter Colours, and Reliable Performance, 3LCD, 3Chip Technology, Min. 3500 Lumens, Amazing Color Brightness, Up to 3x brighter colors than 1chip DLP projectors, High Definition Native resolution up to WUXGA (1920 x 1200) supports Full HD for presentations, videos and more. Wireless – Connect directly to your computer, smartphone or tablet, without wires with remote with Projector Mounting Kit.

Interactive Camera

Interactive Whiteboard System (Form factor: Surface independent & portable Interactive whiteboard system / Interactive area: Upto 100” Diagonal for 16:9 Aspect ratio (wide angle) and upto 80” Diagonal for 4:3 Aspect ratio. / Technology: 3D Optical Technology / Calibration: Automatic / Lens: Ultra Short focus (T/R 0.18 or less) / Movement detection: IR/Optical tracking / Tracking speed: Upto 195 Mn dots / sec / Simultaneous touch point support: Min. 10 touch point for Finger touch Upto 255 Touch Point for Stylus. / Resolution: Sub-pixel up-to 6768 x 4320 pxsq (Native 752x480) / Active background subtraction: Required / Storage temperature -10°C to 50°C / Interface: Through 1 x USB 2.0 / Compatibility platform: Windows / Linux / Power consumption: Less than 1 watt / Should support interactivity even on edge-blended projection surface / Interactivity: Stylus as well as Finger Touch **Stylus specification:** Battery FREE Super-capacitive technology / Stylus Recharge time: 180 seconds / Stylus weight & design: Weight less than 35gm and Design orientation towards comfort while writing for a long session. / Mouse click using stylus: Left & right click of mouse to be integrated in a single button. **Finger Touch Specification:** Finger Touch Technology: 180°PRISM laser Curtain / Compliance Certification: Class 1 certified, complied with IEC 60825-1 Safety standard of Laser product. / Wavelength: 830nm +/- 20 iv. Red Line Laser Wavelength: 650nm +/-20 / Divergence Angle: 180° / Power Voltage: 5v/ 1.5A / Power Consumption: 1W / Operating Temperature: -10°C ~ 50°C / Humidity 0%-95% / Storage Temperature: -30°C ~ 70°C / Humidity 0%-95% / Life Time: ≥7000Hrs / Line Width: 2.0mm ± 0.5mm at 1.5m / Magnets provided to Stick on Metallic Whiteboard Board: Yes / Interface: 1x Mini USB2.0 **Interactive Software:** Should Support multi touch & multi writing / Should support Gesture Recognition like zoom, pan, tilt, flicks etc./ Native handwriting recognition of English (on Windows platform) / Should have the following interactive tools/features like Pen, Eraser, spot light, curtain, shape recognition, shape editing, auto grouping, infinite color options for annotation, color bucket, back ground pattern, lines & arrows, screen capture tools (freehand capture is must), import / export files, recycle bin, unlimited pages, Cut & Paste, page navigation, save page(s), Undo/Redo, Geometric Tools like protractor, compass, ruler etc. / Shape-recognition up to six-sided figures (on Windows platform) / Should capable to annotate on any 3rd party applications / Annotation Capability & integration with MS office application (on Windows platform) a. MS Word: handwriting recognition & draw object, b. MS Excel: Should draw graph w/o touching KB & Mouse, c. MS Power point: Should Create, Edit, Save, delete & annotate slides.Should have recording feature / Extensive Resource Library with relevant Educational content / Software should support & compatible with document camera solution / Capability of taking Snapshot from running video (Win platform) / Should support & operational with MS Touch Pack (Free Multi-Touch application on Win platform) / Must have “Cloud Access” in Interactive Whiteboard Application to access filtered free educational content on any topic in the world from WWW. + Finished wall with white color.



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An Autonomous Institute under MHRD, Govt. of India.

<i>Sound & Speaker System & Microphone</i>
4 Nos. Wall Speaker(9Watt) + 60W Amplifier + Mixer + Low Noise Speaker Cable + Audio Jack & Port + Announcement Station/Cordless Microphone + Collar Microphone, RoHS Compliant/Standard.
<i>Projector Screen with Mounting kit</i>
Support Max View(Inch) Diagonal 84 inch; Top Musk : 2 ft height; Orthographic projection, 4:3 / 16:09 / 16:10 Aspect Ratio, Motorized Projector Screen; RF Remote Cordless Remote, High Gain Fabric with 1.2 Gain, Matt White Fabric; Use the tubular motor, Life time Lubricated Motor, Strain Free Viewing; Full HD Resolutions, Brightness Support >3000 Lumens, Rim Width : Within 20mm; All related cables, connectors, clamps & fittings accessories, RoHS certified.
<i>Connectors & Cables</i>
Needbased 1 Set HDMI Cable + 1 Set VGA cable + Low noise Audio cable(speaker+microphone) + Data Cable + Co-Axial Cable + USB Cable + 1 Set AV Cable + Related all type connector (standard quality along with performance certificates).
<i>6U Racks & PDU</i>
Wall Mount Rack, Size: 6U x 600mm W x 550mm D - (Dimensions are approximate), Front Glass Door with lock, 1 nos. self, 1*6 points PDU, 1 Nos. FAN, 12 Nos. Hardware mount screw, 1 Nos. Cable manager.

SERVICE DETAILS : Complete fixing & installations, commissioning, project management, needbased all cable laying along with fittings accessories supply, end-to-end all terminations, testing with test report submissions, training, documentation submission, Supervisor & project team posting at the time of installations, after proper go live 03 months man power posting & comprehensive warranty support included of all materials & services.