

List of Materials Installed in E-Classroom Chemistry Department

S.No	Product description	Qty
1	Eco-proof wall panelling/Acoustics of the room	1309.62 Sq.Ft.
2	False ceiling / Gypsum ceiling	1063 Sq.Ft.
3	Flooring (Carpet)	832 Sq.Ft.
4	Paint	1388 Sq. Ft.
5	Stage platform with stairs	128Sq. Ft.
6	Window Glass Panelling	4 Nos.
7	Room Doors	1 Nos.
8	Curtains	4 Nos.
9	Electrical work	As per room requirement
10	lights surface	12 Nos.
11	Cassette Air Conditioner	3 Nos.
12	Electronic interactive board	1 No.
13	Electronic Lecturn	1 No.
14	Speakers	4 Ncs.
15	UPS System	1 No.
16	Console table	1 No.
17	Wall Fan	8 Nos.
18	Furniture product	
	a) Mesh chairs	2 Nos.
	b) Executive table	1 No.
	c) Almirah	1 No.
	d) Modular Bench (2-Seater)	36 Nos.

B. S. Name
 26-7-19
 अध्यक्ष/Head
 रसायन शास्त्र विभाग
 Deptt. of Chemistry
 G. Chasidas Vishwavidyalaya
 Bilaspur (C.G.) 495008

Hotel

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सामग्री का नाम

अनुक्रमांक	चालान देखक क्रमांक दिनांक	सामग्री प्रदाय करने वाली फर्म का नाम	मात्रा	दर	राशि	स्टोर कीपर के हस्ताक्षर	प्रमाणितकर्ता अधिकारी के हस्ताक्षर
1	2	3	4	5	6	7	8

S.No	List of Materials installed with Semi-Smart classroom		Qty per Room
1	Technical Specifications of Semi Smart /Interactive Classroom Solution		1 Set
	Semi Smart Classroom should be an integrated solution including Frame, Cabinet with Computer, Multimedia Controller, Visualizer & Biometric attendance device, Digital Display & System Audio		
A	Frame/Housing		
	Frame	Wall mounted structure with locking facility and sliding arrangement with Writing board (Minimum 60 Inches diagonal) in front.	
B	Cabinet for Computer, Multimedia Controller & Visualizer		
	Cabinet	Wall Mounted Lockable Enclosure to house Computer, Controller, Visualizer & Biometric attendance device	
	Material of Cabinet	Powder coated CRCA Steel Sheet of minimum 1.2mm thickness	
C	Computer		
	Form Factor	Computer should be of 2 litres Volume or less	
	CPU	Intel Core i3 (8th Gen processor) with minimum 3.0 Ghz Base frequency	
	RAM	4 GB RAM	
	Hard Disk	1 TB or better	
	In-Built Wi-Fi / Wireless LAN Card	Should have a inbuilt Wi-Fi / Wireless LAN Card	
	Ports (Min.)	HDMI x 1, DP(Display Port) x 2, USB 2.0/3.1 ports x 6, LAN Port x 1	
	Standard Keyboard	Wireless Keyboard	
	Optical Mouse	Wireless Mouse	
	Operating System	Windows 10 Pro Academic	
D	Multimedia Controller		
	Controller	Should have Power On/Off, , Volume Control, Mute, External PC input, VGA, Touch pad keys.	
	Input / Output Port on Front Panel of the Cabinet	Computer Audio IN, VGA IN, USB 3.0 x 2, HDMI IN, LAN Port, Power socket to give power to any external device being connected.	
E	In -Built Visual Presenter		
	Type	Portable	
	Technology	CMOS	
	Image Capture Size	Minimum A4 Size (210x297 mm)	
	Native Resolution	Full HD 1920 x 1080 or better	
	Optical Zoom	12x or better	
	Digital Zoom	8x or better	
	Video Frame Rates	30 FPS or better	
	Focus Arrangement	Auto Focus	
	Camera Head Rotation Angle	Camera head rotation angle-180 degree in horizontal and 180 degree in vertical or better	
	Light Source	White LED	
F	Biometric Attendance Device		
	Display	Minimum 2.5" Colour Display	
	Fingerprint Sensor	Optical sensor for capturing fingerprints	
	Failure Rate	recognition failure better then 0.001% & Acceptance failure better then 0.1%	
	Recognition Speed	less then 1 second	
	Capacity	minimum 1000 fingerprints,	
	Identification modes	EM Card, password & Fingerprint	

Batel

Prakash

Praveen

गुरु घासीदास विश्वविद्यालय,

भण्डार शाखा

सामग्री का नाम

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Testing Material

	Communication	USB, TCP/IP
	Permissions	Minimum 50 open time, 5 groups & 10 kind of combinations to open door.
	Power	DC 12V/1A
G	Technical Specifications for Display	
	Technology	LED (Light Emitting Diode) Backlit Display
	Display size (Diagonal)	Diagonal 65 inch or Higher
	Aspect Ratio	16:9/16:10
	Resolution	1920 X 1080 or higher
	Contrast Ratio	15000:1 or higher
	Brightness	500 cd/m ² or higher
	Display colour	8 bit-16 million colours or better
	Input Ports	USB port for Android x 2, VGA IN x 1, VGA Out x 1, HDMI x 3, USB B Type for Touch x 1, LAN Port for Android x 1, SDIF, RS-232, YPbPr, Video IN, Video Out
	Audio	Inbuilt front throw speakers
	Communication port	RS 232C & LAN
	Multi Touch	IR Sensor based Touch technology with minimum 6 touch capability.
	Power supply requirement	230V AC +/- 10%, 50 Hz
	Max Power consumption	Maximum 400 Watts
	Accessories to be supplied	AC Power cord, User Manual, Remote control, Wall mount bracket necessary cables and connectors shall be provided to make it a complete operable unit.
	Special Features	Features:- 1. Energy Saving – Ideal to Standby Time 2. Scheduled Power On / Off 3. Screen Shot in Single Click 4. Wireless / Wired Printer Support 5. Child Lock Setup to avoid misuseto 6. USB port Lock for Android 7. USB Plug & Play in Android – Document, PDF, PPT, Video, Audio 8. Smart Eye Protection – Eye Protection Writing Mode, Eye protection Brightness control mode as per light ambient 9. Background Change for Android
	Classroom Interactive Features	Interactive software should have features like choose, pens, annotate, erase, colour, shapes, sizes, text, Edit, fonts, stamp, move, capture, picture, video, save, Rotate, undo, image gallery, print, floating keyboard and Background etc.. The software should have network classroom feature to conduct remote teaching by having interaction through all the three types of media Audio, Video and Text.
	Ports Accessibility	Easily accessible ports in front panel.
H	System Audio	
	System Audio	Solution should be supplied with minimum 100 watts RMS amplifier and two speakers housed in array of minimum 50 W RMS each

Kate

Deep (K.P.K.)

Ankur

July

क्र.सं.	प्रदाय दिनांक	सामग्री प्राप्तकर्ता का नाम व उपविभाग	मात्रा	शेष बचत स्कन्ध	प्राप्तकर्ता के हस्ताक्षर	प्रमाणितकर्ता के हस्ताक्षर
9	10	11	12	13	14	15
11		पेज नं. 34 एवं 35 संख्या ब्लॉक 1 (A to H) तक की सामग्री MBA विभाग को प्रदाय किया गया है।				<p><i>Bhush</i> 21/12/19</p> <p>HEAD प्रमुख अध्यापक विभाग Department of Management Studies गुरु घासीदास विश्वविद्यालय Guru Ghasidas Vishwavidyalaya बिलासपुर (छत्तीसगढ़) Bilaspur (Chhattisgarh)</p>
12		पेज नं. 34 एवं 35 संख्या ब्लॉक 1 (A to H) तक की सामग्री Physics विभाग को प्रदाय किया गया है।				<p><i>Rajendra</i> 31/12/19</p> <p>विभागाध्यक्ष/H.O.D. शुद्ध एवं अनुप्रयुक्त भौतिकी विभाग Dept. of Pure & Applied Physics गुरु घासीदास विश्वविद्यालय Guru Ghasidas Vishwavidyalaya बिलासपुर (छ.ग.)/Bilaspur (C.G.)</p>
13		पेज नं. 34 एवं 35 संख्या ब्लॉक 1 (A to H) तक की सामग्री Rural Technology विभाग को प्रदाय किया गया है।				<p><i>Head</i> 21/12/2019</p> <p>HEAD Department of Rural Technology & Social Development Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.) 495009</p>
14		पेज नं. 34 एवं 35 संख्या ब्लॉक 1 (A to H) तक की सामग्री Forestry विभाग को प्रदाय किया गया है।				<p><i>Shivan</i> 21/12/19</p> <p>विभागाध्यक्ष Head वानिकी, वन्यजीव एवं पर्यावरण विभाग Department of Forestry, Wildlife and Environmental Science गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.) Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)</p>
15		पेज नं. 34 एवं 35 संख्या ब्लॉक 1 (A to H) तक की सामग्री Chemistry विभाग को प्रदाय किया गया है।				<p><i>Bhiman</i> 21/12-19</p> <p>अध्यक्ष/Head रसायन विभाग Dept. of Chemistry गुरु घासीदास विश्वविद्यालय Guru Ghasidas Vishwavidyalaya बिलासपुर (छ.ग.) 495009 Bilaspur (C.G.) 495009</p>