

**LIST OF APPROVED MAKE / MANUFACTURER FOR LOW VOLTAGE (LV) SYSTEMS
MATERIALS
(IN ALPHABETICAL ORDER)**

S/No.	Item Description	Specified Brand/Make/Manufacturer
1	2 & 3 X 1.0 Sq. Mm. FRLS flexible cable for Fire Detection & Alarm System	FINOLEX, HAVELL'S, POLYCAB ,R.R. KABLE
2	2 & 3 X 1.5 Sq. Mm. FRLS flexible cable for Fire Detection & Alarm System	FINOLEX, HAVELL'S, POLYCAB ,R.R. KABLE
3	F/UTP CAT6ACabling System – Cable and components	COMMSCOPE-SYSTIMAX, PANDUIT-PANNET, TYCO-NETCONNECT
4	Fiber Optics Components (Data & Voice/Telecom, Single Mode) – Cables, LIUs, Shelves, Pigtails, Patch-cords, Connectors, Couplers, Splices	COMMSCOPE-SYSTIMAX, PANDUIT-PANNET, TYCO-NETCONNECT
5	Outdoor pole mounted enclosure and wall mounted enclosures for faculty Housing	HENSEL, HOFFMAN, PANDUIT
6	IP66 rated 96 core External Splicing Kit for outdoor fiber optics cable	3M, RAYCHEM, TYCO
7	Networking Racks, Data Centre racks, Distribution Racks – from sizes 15U to 42U	APW-VERO PRESIDENT, PANDUIT-PANNET, RITTAL
8	Networking Switches& NMS – Edge/Access, Distribution, Core Switches and all their accessories and options such as fiber optics interface modules and transceivers& NMS.SM and MM fiber optics transceivers shall be original (OEM supplied). All these components shall be from a single OEM.	CISCO, EXTREME NETWORKS, HP
9	Wi-Fi System - Wireless Access Points, Wireless Controller, Wireless licenses etc. All these components shall be from a single OEM.	CISCO, EXTREME NETWORKS, HP-ARUBA, RUCKUS
10	CCTV / Video-Surveillance All types of Cameras (Indoor and Outdoor) – Fixed Dome, Fixed CS-Mount/Box, PTZ	AXIS, BOSCH, SONY
11	VMS Software Platform	GENETEC, MILESTONE, NICE
12	Servers for VMS Server & Recorder Function	DELL, HP, LENOVO
13	Storage System for CCTV	EMC2, HP, IBM, NETAPP
14	Industrial Ethernet Switch incl. Power supplies	ALLIED TELESIS, GARRETCOM, MOXA
15	Client PCs - Hardware/Computers/Workstations	DELL, HP, LENOVO
16	Fire Detection & Alarm System	NOTIFIER, SIEMENS-FIRE FINDER, TYCO-SIMPLEX
17	A3 Size Colour Laser Printer	CANON, EPSON, HP
18	55" HD/DVi Professional Display for CCTV Monitoring	HITACHI, PANASONIC, SAMSUNG
19	Access Control System Readers, Controllers	BOSCH, IDENTIV, LENEL, MATRIX
20	Access Control & Time Attendance Software Application	BOSCH, IDCUBE, MATRIX
21	Electro-Magnetic Locks	ALGATEC, ASSA-ABLOY, BEL