

Estimate for CCTV at the Department of Music					
Materials					
Sl. No.	Item	Quantity	Unit		
1	8 Channel NVR (Honeywell/CP PLUS/Hikvision)	1	No.		
2	Surveillance HDD - 4 TB (Honeywell/CP PLUS/ Hikvision)	1	No.		
3	4 MP Network Bullet IR Camera (Honeywell/CP PLUS/ Hikvision)	3	Nos.		
4	4 MP Network Outdoor Bullet IR Camera (Honeywell/CP PLUS/Hikvision)	2	Nos.		
5	Cat6 UTP Cable (Molex/AMP/NORDEN)	170	Mtr		
6	Outdoor Cat6 UTP Cable (Molex/AMP/NORDEN)	200	Mtr		
7	Singleshutter faceplate	3	Nos.		
8	3/3 SMB (box)	3	Nos.		
9	RJ 45 Connectors	10	Nos.		
10	25 mm White ISI PVC Pipe with accessories	120	Mtr.		
11	8 port PoE+ Gigabit Ethernet switch 10/100/1000 Mbps with rack mounting and all accessories. Make: (Netgear/CISCO/TP Link) (Should have sufficient power for connecting 5 bullet cameras)	1	Nos.		
12	6U wall mount Network rack with accessories (Netrack/Rittal/Dlink or equivalent)	1	No.		
13	32 " LED TV with wall mount Stand (Samsung/LG/Sony)	1	No.		
14	1 KVA UPS with wall mount Stand (V Guard/ APC/ Hykon)	1	No.		
15	Camera Pole 5inch (3 – 6 meter) with camera clamps with Graphite based chemical compound earthing and min 250 microns copper bonded low carbon steel rod, lightning & surge protection and suitable enclosure for keeping accessories.	1	No.		
16	Electrical Wiring with 2 Switches and 2 X 5 Amp socket	1	No.		
Labour					
17	Fixing and configuration of 8 Channel NVR with HDD	1	No.		
18	Fixing of Bullet Camera	5	Nos.		
19	Cat6 UTP Laying Charges	370	Mtr.		
20	RJ 45 / IO Termination Charges	13	Nos.		
21	Faceplate Fixing Charges	3	Nos.		

22	3/3 PVC Box fixing Charges	3	Nos.		
23	Laying Charges of 20/25mm PVC Pipe and make good the damages.	115	Mtr.		
24	Fixing and Configuration of Ethernet Switch	1	No.		
25	Fixing and dressing of wall mount Network rack	1	No.		
26	Installation of 32" TV with wall mount stand	1	No.		
27	Installation of 1 KVA UPS with wall mount Stand	1	No.		
28	Trenching earth up to 3 ft depth, Laying of HDPE, Baked brick layering, Refilling and restoration (For laying outdoor UTP Cable).	5	Mtr.		
29	Fixing of Camera Pole fixed in a concrete footing of min height of 1mtr, properly finished with painting	1	No.		
30	Testing, Commissioning and Labelling	1	Nos.		
31	Unforeseen Items	1	Nos.		
Total					