

**Typical Estimation format for CCTV System**

SL No	Item Description	Quantity	unit	Unit Cost	Total Cost	GST	Total amount
1	Indoor Fixed Bullet Camera	32	Nos				
2	Indoor Exp Proof PTZ Camera	4	Nos				
3	Indoor Fixed Exp Proof Camera	4	Nos				
4	Outdoor Fixed Bullet Camera	55	Nos				
5	Midspan for Outdoor Fixed Camera populated with Single Mode SFP Module	16	Nos				
6	L3 Fiber 24-port SFP Switch (16 port Fiber SFP and 8 Copper Gigabit Port)with 4 SFTP+ port also with dual power supply	2	Nos				
7	24-port 10/100/1000T PoE+ Switch with 4 SFP+ ports and redundant power supply+ 2 SR Transceiver modules to be included.	4	Nos				
8	8-port 10/100/1000T PoE+ Switch with 4 SFP+ ports + 2 SR Transceiver modules to be included.	3	Nos				
9	Supply of Single Mode 1G SFP LR Module	40	Nos				
10	Managememnt Server	1	Nos				
11	Recording Server	2	Nos				
12	100TB Usable Storage	1	Nos				
13	Digital Video Management software for Supply of Video Management Software 1 Base License + 100 Device Licenses with 3 Years Support	1	Nos				
14	Workstation with Graphic Card PC for Monitoring atleast 16 GB Graphic card	4	Nos				
15	55" Wall Mount Monitor	6	Nos				
16	42 U Rack with 4 Nos Power Strips 800mm*1200mm(W*D)	1	Nos				
17	Pole (6 mt) for Mounting Outdoor Camera	16	Nos				
18	Earthing Kit for outdoor poles	16	Nos				
19	Labour works for Pole erection and grounding fixing and installtion of earthing kit	16	Nos				
20	IP66 stainless steel outdoor junction box with MCB & RCCB	16	Nos				
21	Labour works for installation of IP66 outdoor junction box	16	Nos				
22	Network Surge Protector - Outdoor	55	Nos				
23	Network Surge Protector - Indoor	40	Nos				
24	Powerline Surge Protector - Outdoor	16	Nos				
25	Cat-6 4 pair UTP cable (Boxed rolls of 305 Meters)	7	Nos				
26	Labour works for CAT6 UTP Cable Laying	7	Nos				

27	LC-LC Singlemode Duplex Patch Cord, 3 Meter	70	Nos				
28	6 Port LIU loaded with SM Pigtail	25	Nos				
29	24 Port LIU loaded with SM Pigtail	3	Nos				
30	Cat 6 Patch cord - 1.5 Mtr - Yellow colour	110	Nos				
31	Cat 6 Patch cord - 5 Mtr - Yellow colour	16	Nos				
32	Cat 6 24-port loaded, Modular Jack Panel, 1U	4	Nos				
33	Labour works for CAT6 Patch Panel Fixing & Termination per piece - 4 Nos	4	Nos				
34	CAT 6 with Dual I/o faceplate and back box	10	Nos				
35	Labour work for CAT 6 with Dual I/o faceplate and back box installation	10	Nos				
36	12U Wall Mount Rack	7	Nos				
37	Labour works for 12U Wall mount Rack	7	Nos				
38	Labour works for Laying the Cable Manager - 200 Mtrs***	200	meter				
39	Labour works for 1.5" PVC Conduit Laying per Meter - 300 Mtrs ***	300	meter				
40	12 Core OFC (12 core SM outdoor / Indoor armoured direct burial) - 1500 Mtrs ***	1500	meter meter				
41	Specifications of Labour works for Laying cables in the existing cable trench per Meter	1500	meter				
42	32 mm dia HDPE Pipe- 1000 mtrs***	1000	meter				
43	Labour works for Laying HDPE Pipe per Meter- 1000 mtrs***	1000	meter				
44	Labour works for Laying OFC/Data cables inside the HDPE Pipe per Meter- 1000 mtrs***	1000	meter				
45	Cable Router Markers - 75 Nos***	75	nos				
46	Specifications of Labour works for fixing of cable route markers - 75 Nos***	75	nos				
47	40mm Casing and Capping- 100 mtrs***	100	meter				
48	Specifications of Labour works for 40mm PVC Casing Capping- 100 mtrs***	100	meter				
49	3 Core Armoured 1.5 Sqmm power cable (Mtrs)- 1000 mtrs***	1000	meter				
50	Labour works for routing 1.5 Sq mm Armored Power cable in the HDPE pipe per Meter- 1000 mtrs***	1000	meter				
51	Supply of RJ45 MALE JACK with Boot- 300 Nos***	300	Nos				
52	Labour works for RJ45 Crimping/termination- 300 Nos***	300	Nos				

53	Labour works for Splicing of OFC cable cores- 50 Nos***	50	Nos				
54	Labour works for Pit/trench Digging in rocky soil (earth work) per Meter- 1000 mtrs***	1000	meter				
55	Labour works for Road cutting (in rocky soil)- 100 mtrs***	100	meter				
56	Resident Engineer (OPTIONAL) - 1 Person (per year)	1	year				
57	Installation and Commissioning Charges	1					
58	Warranty for Camera (No cost involved)	3	years				
59	CAMC 4 Years (12% of Material cost)	4	years				