

DESIGN, SUPPLY & INSTALLATION OF CCTV SURVEILLANCE SYSTEM IN HIYAA HOUSING PROJECT IN HULHUMALÉ PHASE II

ATTACHMENT TO EMPLOYER’S REQUIREMENT

REQUIRED MINIMUM SPECIFICATION

MATERIAL	SPECIFICATION (MINIMUM)
CCTV Camera (Dome & Bullet cameras)	<ul style="list-style-type: none"> • 4MP Network IP CAMERA • Must support ONVIF • IR Distance 60m • Wide Angel view / Varifocal Lenses (Bullet) • Good Video Image Quality • Low lumens • Power via PoE / ePoE • Acceptable Brands only as listed below*
Lift Camera’s	<ul style="list-style-type: none"> • 4MP Network IP CAMERA • Wireless transmitter & Receiver • Must support ONVIF • IR support • Wide Angel view • Good Video Image Quality • Low lumens • Power via PoE / ePoE
Network Cable	CAT6 UTP Network Cables
POE Switch (1 switch per 2 floors)	16xRJ45 PoE port & 2x SFP Port (with Transceivers)
POE Switch (Ground Floor)	16xRJ45 PoE port & 2x SFP Port (with Transceivers)
Fiber Optic Switch	Minimum 24x SFP port (with Transceivers)
Fiber Optical Cable	4 Core Fiber Optic cable (2 core to splice within building), (All core to splice from building to building)
NVR	<ul style="list-style-type: none"> • Must store minimum 30 Days of Recording (Good quality) • Channel Depends per Control room.

TV	Minimum 55inch LED TV with mounting brackets
PC	<ul style="list-style-type: none"> • i5 Processor • 8GB RAM • 1TB Hard • 27 inch Monitor • Keyboard Mouse • UPS
UPS	6Kva UPS System + 1hr Backup per building
Server RACK	Server RACK in Control Room.
Other Accessories	Jacks, splice trays, patch chords, mounting brackets, HDMI cable, video decoder for CCVT viewing, electrical cables for UPS etc.

***List of Acceptable Brands for Cameras –**

1. Hikvision
2. Dahua
3. Sony
4. Samsung
5. Hanwha Techwin
6. D-Link
7. Ubiquiti
8. Bosch
9. TP-Link
10. Axis Communication
- 11. Holis**

Note -

The network shall be designed considering the cameras from the acceptable brands only as listed above.

If any component of the network with required minimum specifications is not compatible with the designed network, the contractor shall amend the design with employer's consent and approval only.

All the materials/components shall be preferably locally available/serviceable and must have a service and hardware warranty of minimum 1 year.