

Design, supply & installation of CCTV in mini sports Complex

Required minimum specification

Hik vision CCTV Camera (dome)	<ul style="list-style-type: none"> • 4MP network IP camera • Must support onvif • Wide angel view (2.8mm) Lenses • Low lumens • Power via POE • On- Board Storage • Weatherproof • Vandal-Resistant • H.265+ • EXIR • WDR • darkfighter
Hik vision CCTV Camera (bullet camera)	<ul style="list-style-type: none"> • 6MP network IP camera • Must support onvif • Wide angel view (2.8mm) Lenses • Low lumens • Power via POE • On- Board Storage • Weatherproof • Vandal-Resistant • H.265+ • EXIR • WDR • darkfighter
Hik vision Lift camera	<ul style="list-style-type: none"> • 6MP network IP camera • Must support onvif • Wide angel view (2.8mm) Lenses • Low lumens • Power via POE • On- Board Storage • Weatherproof • Vandal-Resistant • H.265+ • audio
Network Cable	CAT6 UTP network Cables
TV	Minimum 75inch LED TV with Mounting Brackets
UPS	Online 6KvA UPS system + 1hr backup (Control room)
Server Rack	42U Server Rack in Control room 9U network switch rack X 3
Life camera cable	CAT6 UTP network Cables
Fiber Optical Cable	4 core fiber Optic cable
Fiber	ODF 16 port rackmount x 3
Fiber	fiber patch cord
NVR	<ul style="list-style-type: none"> • Must store minimum 30 Days of recording • NVR 64 CH

Fiber Optic Switch	<ul style="list-style-type: none">• Minimum 16x SFP port (with Transceivers)
POE Switch	<ul style="list-style-type: none">• Minimum 2X SFP port (with Transceivers)

1. Ministry already has a Hik vision camera setup, so we want to continue with Hik vision
2. Cat6 cable must be approved by ministry IT department before installation
3. All network and power cable must be labeled from both ends
4. All network cables must be crimp B standard
5. All materials required for the work must be purchased by the party who wins the bid
6. All network switches must be full POE manageable.
7. Wiring and project document (including drawings) must be provided to ministry upon completion of the work.
8. All uplink must be Fiber
9. Connect existing Hik vision IP cameras to NVR
10. Connect existing 4 core fiber cable from security room to ODF