Technical Specifications

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| Sl. # No. | Item | TechnicalSpecification | Unit | Qty |
| 1 | 4 MP ColorVu Bullet Network Camera | 4K ColorVu vari-focal lens Bullet Network CameraHigh quality imaging with 4 MP resolutionEfficient H.265+ compression technologyClear imaging against strong backlight due to 130 dB WDR technology 2.8 mm to 12 mm manual/motorized (with -Z) vari-focal lens PoE (Power over Ethernet) Focus on human and vehicle targets classification based on deep learning24/7 colorful imagingWater and dust resistant (IP67)Brand: Hikvision or equivalent  | each | 7 |
| 2 | 12 MP ColorVu Bullet Network Camera | 4K ColorVu vari-focal lens Bullet Network CameraHigh quality imaging with 12 MP resolutionEfficient H.265+ compression technologyClear imaging against strong backlight due to 130 dB WDR technology 2.8 mm to 12 mm manual/motorized (with -Z) vari-focal lens PoE (Power over Ethernet) Focus on human and vehicle targets classification based on deep learning24/7 colorful imagingWater and dust resistant (IP67) Brand: Hikvision or equivalent  | each | 3 |
| 3 | 32CH NVR with 4SATA Interphase | 32-ch 1U 4K NVRUp to 32 channel IP cameras can be connectedUp to 1-ch@32 MP/2-ch@12 MP/16-ch@1080p decoding capacity1 HDMI and 1 VGA interfaces: both interfaces support independent video output4 HDDs for continuous video recordingSupports various special function cameras, including thermal camera/fisheye/people counting/heatmap/ANPR (automatic number plate recognition)Advanced streaming technology enables smooth live view and data self-correction in poor network conditionsSupports dual-stream recording to save time and bandwidth Brand: Hikvision or equivalent  | each | 1 |
| 4 | 4TB HDD | 4000GB/4TB Surveillance Internal Hard Drive HDD SATA 6Gb/s 64MB Cache for NVR Security Camera System with Drive Health ManagementRead Speed 190mps Brand: Hikvision or equivalent  | each | 4 |
| 5 | 24 Port PoE Switch with 4 SFP Ports | 24 x 10/100/1000 + 4 x Gigabit SFP (2 combo)Switching capacity : 56 Gbps Forwarding performance (64-byte packet size) : 38.69 MppsMAC address table size 16K entriesRAM 512MB with 256MB Flash MemoryLayer 3 switching, Layer 2 switching, DHCP support, VLAN support, IGMP snooping, syslog support, DoS attack prevention, port mirroring, DiffServ support, weighted round-robin (WRR) queuing, broadcast storm control, IPv6 support, multicast storm control, unicast storm control, firmware upgradable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, Trivial File Transfer Protocol (TFTP) support, access control list (ACL) support, quality of service (QoS), jumbo frames support, MLD snooping, SNMP, RMON, SNTP, Auto SmartPorts24 x 10Base-T/100Base-TX/1000Base-T - RJ-45 (24 x PoE+) 2 x combo SFP slot + RJ-45 ? 2 x SFP slot 1 x USB port - file management 1 x RJ-45 console - management | each | 1 |
| 6 | 8 Port PoE Switch with 4 SFP Ports | 8× 10/100/1000 Mbps RJ45 ports4× PoE+ ports transfer data and power on individual cablesWorks with IEEE 802.3af/at compliant PDsSupports PoE Power up to 30 W for each PoE portSupports PoE Power up to 66 W for all PoE ports\*Up to 250m data and power transmitting range under Extend Mode\*\*Priority Mode ensures high priority of ports 1–2 to guarantee the quality of sensitive application Brand: Hikvision or equivalent  | each | 1 |
| 7 | 40” Screen | 40” LED HD Screen3840\*2160 resolutionAndroid 6.0 OS or aboveARM Dual Core A9 1.2GHz CPUDDR3/8GB Flash memory802.11 b/g/n Wifi SupportSupport all format of Videos, Audio and ImageSupport Android AppsConnectivity Ports 1TV, 3HDMI, 1USB, 1AV, 1 optical, 1 YPBPR and 1EarphoneBrand : Panasonic, samsung or equivalent Brand: Samsung or equivalent  | each | 2 |
| 8 | SC/LC single Mode Fiber Optic Module | Maximum distance of up to 10 kmHot-pluggable Single-mode fiber 1000BASE-LX (IEEE 802.3z standard)Duplex SC/LC connectorMSA, RoHS-compliant  | each | 2 |
| 9 | Indoor 9U rack | 19” Mounting angles made of welded steelWelded to Frame, Vented and Field Cable entry exit cut outsLockable Toughened Glass Door  | each | 2 |
| 10 | Fiber Patch Cord SC/LC | End-Face Type: PC/UPC/APCFiber Diameter: 0.9mm, 2.0mm or 3.0mmAvailable for simplex and duplexThe outer jacket can be PVC, LSZH, Armored etcAvailable for different connectors: SC, LC, FC, ST, MPO, MTP, MU, DIN, D4, E2K etcFiber Type: Single mode fiber G652D, G657A1 and G657A2, Multimode fiber OM1, OM2, OM3 and OM4 are available | each | 8 |
| 11 | UPS,1500VA, single phase with inbuilt battery. | Line Interactive UPS with total Load Capacity of 865Watts / 1500VALCD Display and Sleek Design6 nos. India 3 Pin 6A Output Socket – 4 with Battery backup & 2 with Surge protection OutletsAutomatic Voltage Regulator (AVR) with Wide Input Voltage Range of 170-294V45-60\* min. Back-Up time \*as per the loadGreen UPS with Programmable Outlets with energy-saving featuresGenerator Compatible Brand: APC or equivalent  | each | 1 |
| 12 | HDPE Pipe 25mm | 25mm HDPE Pipe for Fiber burial(Actual Quantity will be determined based on actual site measurements) | m | 1 |
| 13 | Cassing capping  | 1"(Actual Quantity will be determined based on actual site measurements) | m | 1 |
| 14 | Power socket  | 20A, modular power socket set (Actual Quantity will be determined based on actual site measurements) | set | 1 |
| 15 | 4 Core Fiber Optic Cable | 4 Core Fiber OpticCable type BurialApplication Telecommunication (Actual Quantity will be determined based on actual site measurements) | m | 1 |
| 16 | UTP cable  | Cat 6(Actual Quantity will be determined based on actual site measurements) | m | 1 |
| 17 | 4 Port LIU | 4 sliding Port LIURack mountable | each | 2 |
| 18 | Media Converter | 10BASE-T / 100BASE-TX / 1000BASE-T RJ-45 copper port100BASE-FX / 1000BASE-X SFP portUse multimode SFP or single-mode SFP | set | 2 |
| 19 | Copper cable | 2.5sqmm, 2 core PVC insulated copper cable.(Actual Quantity will be determined based on actual site measurements) | m | 1 |
| 20 | Installation | Installation and configuration of already existing CCTV Cameras |   |   |
|  |  | \*Camera (drawing UTP/Optic fiber cable in Cassing capping/HDPE pipe, wiring power supply for switches in cassing capping /HDPE with all necessary accessories including connection, testing and commissioning of power sockets, RJ45 etc. as required). | each | 18 |
|  |  | \*Dismantling of 8 existing outdoor cameras. | each | 8 |
|  |  | \*and all necessary work (fiber splicing, configuration, installation of 9U rack etc.) | lot |   |