

BOQ FOR GEM (SRE ITEMS)

Ser No	Nomenclature	ITEM DESCRIPTION	ITEM QTY	UNIT OF MEASURE	CONSIGNEE ID	ZIP CODE	DELIVERY PERIOD IN NUMBER OF DAYS	UNIT PRICE (INCLUDING GST% APPLICABLE)	BRAND	MODEL	HSN CODE
1.	CP Plus PTZ Camera	SRE	02	NOS	Mohit@957	782138	21				
	<p>CP-UNP-D2521L10-DAQ 2 MP WDR 25xIR Network PTZ Camera – 100 Mtr, Image Sensor – 1/2.8" 2MP PS CMOS Image sensor (0.9071 centimetres), Effective Pixels - 1920 (H) x 1080(V), Electronic Shutter – 1/1s-1/30,000s, Max Aperture - F1.6-F3.5, RAM – 512MB, ROM-256 MB, Minimum illumination - 0.005 lux@F1.6 (Color, 30 IRE), 0.0005 lux@F1.6(B/W,30 IRE), 0 lux (IR light), White Balance – Auto, Indoor, Outdoor, Tracking, Manual, Sodium lamp, Natural light, Street lamp, S/N Ratio - &gt;55 db, Focus Control – Auto, Semi auto, Manual, Lens – 4.8mm-120mm, Close focus distance - 0.1m-1.5m, Angle of view – H:60.6-3.2,V:34.1-1.8,D:69.4-3.7, Iris Control – Auto, manual, DORI Distance – 1655.2mm (Detect), 653.8mm (Observe), 331.0mm (Recognize), 165.5mm (Identify), Back light Compensation – BLC/HLC/WDR (120dB), IR Control – Zoom Prio, Manual, IR Number – 6 IR, Day/Night – Auto (ICR)/Color/B/W, IR – IR Range of 100 Mtr, Video Format-PAL/NTSC, OSD- Camera title, date &amp; time, Gain Control – Auto, Manual, Resolution – 2MP (1920 x 1080), 720p (1280 x 720), D1 (704 x 576/704 x 480), Pan/Tilt Angle – Pan 0 to 360 endless, Tilt-15 to +90, auto flip 180, Optical Zoom – 25X, Digital Zoom – 16x, Image Rotation – 180, Defog – Electronic, Special Feature – up to 300 Presents, 5 pattern, 8 (up to 32 presents per tour) Tour, 5 Scan, Frame Rate – Main stream : 2MP (1920 x 1080) @1-25fps, 720p, D1@1-25fps sub stream 1:D1/CIF@1-25fps), Sub stream 2: 720/D1@(1-25 fps), SMD – Support, Noise Reduction – 2D NR/3D NR, RS-485 – 1 Channel, Idle Motion- Pattern, Preset, Scan, Tour, PTZ Protocol-CP-SD Pelco-P/D (Auto recombination) Protocol,SFTP,IPv6,IPv4,DNS,RTCP,NTP,RTP,HTTP,HTTPS,SNMP V3,TLS Version 1.2, TCP/IP, PPPoE, NFS, UDP, ICMP, SSL,DHCP, SMTP, RTPS, ONVIF (Profile, S Profile, G Profile T), unicast multicast, Power of memory – Support, Manual Speed – Pan:0.1-80/s, Tilt: 0.1-80/s, Present speed - Pan:0.1-80/s, Tilt: 0.1-80/s, Alarm event – Alarm input, Alarm linkage – Scan, Present, Tour, Pattern, Alarm digital output, Auto Tracking – Support, Privacy Mask – Support, IVS (Permitter Protection) – Tripwire, Intrusion, Object Abandon/Missing, SMD, Face detector,</p>										



2.	<p><b>CCTV Camera</b></p> <p>CP Plus 4MP (2560 x 1440) or better Bullet Camera  PTZ Camera / Speed Dome Camera – No  Type of Camera Housing – Bullet Camera  IP Camera – Yes, Camera Image Sensing Capacity – 4MP (2560 x 1440) or better, Maximum Resolution – 4MP (2560x1440)  Maximum Frame Rates (Frame per second) Supported – 25/30  Number of simultaneous video streams – Quad Stream (Full / Compressed , Image Sensor Type – CMOS  Image Sensor Size (Inch) – 1/2.8 to 1/2.3, IR Illumination Range (Meter) 31-50, Video Compression – H.265, Audio Compression – G.726, Generic Features – Audio Input Channel, Audio Output Channel, Alarm Digital Input, Alarm Relay Output, Privacy Zones, Installation Type / Area of use - Outer , Material of Housing – Aluminum / Aluminum alloy , Ingress Protection – IP67, Mounting Bracket – Wall Mounting , Lens Type – Fixed, Focal Length for fixed / Fisheye Lens Type (mm) - 3.6 or better , Focal Length for Varifocal Lens Type (mm) - 3.6 or better , Optical Zoom – being fixed lens, Digital Zoom – more than 12X -16X, Field of View (Degree) – More than 90-105, Iris Control – Fixed iris , Focus mode – Auto, Minimum illumination for Capturing Colour Image – 0.1lux , Electronic Shutter Speed – 1/25 to 1/100,000  SNR (Signal to Noise Ratio) (dB) (Minimum) – 50-59  WDR (Wide Dynamic Range)/ DWDR (Digital Wide Dynamic Range) – 120 dB, Feature / Accessories , Salient Features : White Balance (Indoor/Out Door/Manual Selectable), Auto Gain Control (On / Off selectable), Back light compensation, web Client (Viewer through HTTP System configuration, remote administration (Remote configuration and status using web based tool), On screen display, remote system update over network, Optional Features : Vandal Resistant housing (IK 10), Day/Night Capable, Built in microphone , Optional Accessories – NA, Audio Features – Built in Microphone, External Microphone Support , Alarm Features – Alarm Support, Pre/Post Alarm Buffer, Security Features – Multi Level User ID/Password, IP Address Filtering, Encrypted data Transmission (HTTPS/SSL/TSL), Watermark, Signed Firmware., Type of network required to transmit video/image recorded by camera - Wired , Simultaneous Connections : 6-10, Features of Network and Interface – Static IP Support, Dynamic IP Support, Digital Processing, IPv6 ready, ONVIF Support, On board SD Card Support – Yes, SD Card Capacity – 512 GB, Power Input – 24VDC/12 VDC without Adapter, Minimum Operating Temperature (-40), Maximum Operating Temperature 60 , Relative Humidity Non Condensing at 40 deg C (%RH) 95, Comprehensive Warranty (Year) - 2 , Time duration for repairing / replace the defect during Warranty – Within Two week &amp; <b>With Installation</b></p>	SRE	05	NOS	Mohit@957	782138	21
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<p>3. <b>CP Plus 12 MP 16 Channel</b></p> <p>16Ch.4K Network Video Recorder with 16 PoE Ports  16CH CP Plus CP-UNR-4K162-P16V4  Processor – Industrial Grade Processor  IP Camera Input – 16 Channel  Operating System – Embedded LINUX  Operating Interface – Web, Local GUI  AI by NVR – SDM Plus  Resolution – 12MP; 8MP; 5MP; 4MP; 3 MP; 1080p ; 960p ; 720p; D1; CIF; QCIF  Max decoding capacity : 8x1080p @30fps or 2 x 8MP@30 fps  Multi Screen Display – Main Screen : 1/4/8/9/16 Sub Screen : 1/4/8/9/16  Max 160/160/80 Mbps incoming / recording bandwidth  2 SATA Ports. Each disk can contain up to 20 TB, 2 USB Ports  Support IP Cameras with resolution up to 12 MP  AI by NVR supports 4 channel SMD Plus  Support EPTZ and one click arming and disarming  Support 160 PoE Ports M,Mobile Software : iCMOB, gCMOB,CMS Software :  KVMS Pro,Hard Disk 2 SATA ports. Each disk can contain up to 20TB. This limit  varies depending on the environment temperature.  AI by Camera – Face detection ; face recognition; perimeter protection; SMD  Plus; people counting; stereo analysis; head map  Perimeter Performance of AI by Camera – 6 Channels  Face Attributes – Gender; age group; glasses; expressions; face mask; beard  Face Detection performance of AI by Camera (Number of channels) -6 Channels  Face Recognition Performance of AI by Camera (Number of Channels) – 6  Channels ,SDM Plus by NVR – 4 channels : secondary filtering for human and  motor vehicle, reducing false alarms caused by leaves, rain and lighting  condition change,SDM Plus by Camera – 6 channels  Video Output – 1HDMI, 1 VGA Simultaneous HDMI : 3840 x 2160,1920 x 1080,  1280 x 1024, 1280 x 720 VGA: 1920 x 1080, 1280 x 720 Heterogeneous :  HDMI : 1920 x 1080,1280 x 1024, 1280 x 720 VGA: 1920 x 1080, 1280 x 1024,  1280 x 720,Compression – H.265; smart H.264+;H.264  Encode Strategy : Intrateam,Network Bandwidth – AI disabled : 160Mbps  incoming, 160 Mbps recording and 80 Mbps outgoing AI enabled : 80 Mbps  incoming, 80 Mbps recording and 60 Mbps outgoing.  Protocols : HTTP; HTTPS; TCP/IP; IPv6; UDP; NTP;DHCP;DNS;SMTP;UPnP; IP  Filter : FTP;DDNS;SNMP;Alarm Server; Insta on cloud; auto registration; IP  Search ; ONVIF 22.12 (Profile T; Profile S; Profile G) CGI  Power Supply 100-240 VAC, 50/60 Hz  Power Consumption : Total output of NVR is &lt;10 W (Without HDD) Total Output  power of PoE is 130W, the maximum output power of a single port is 25.5W  Operating temperature -10 C to +55 C (14 F to +131 F)  Operating Humidity :- 10% -93% (RH), non condensing  Storage Temperature -20 C to +60 C (-4 F to +140 F)  Dimension 375.0mm x 327.9mm x 53.0mm (14.76  Weight 2.60 Kg &amp; <b>With Installation</b></p>	SRE	01	NOS	Mohit@ 957	7821 38	21		
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4.	<p><b>CCTV Camera Cable</b></p> <p>D Link Cat6 100M Outdoor UTP 23 AWG Copper  Whole Diameter – 7.1mm +- 0.2  Copper Diameter 23 AWG or 0.5733mm  Weight : Approx 20 Kg of total box  Frequency and Speed : Upto 250 MHz and Max, Speed 10 Gbps at 55M, Max Speed 1Gbps at 100M  Certification : UL, ETL, RoHS, TIA/EIA 568C 2 Complaint  Insulation : HDPE over Copper Wires, LDPE and Inner PVC jacket over and above 4 Pairs, UV Protection  Conductor : 4 Pairs of 23 AWG Twisted Solid Copper  Colour – Black  Shielding – UTP  Transmission protocols supported. 10GBASE-T, 5 GBASE-T, 1000BASE-T  Separator – PE(Polyethylene)  Operating Temperature Range - 20 C to +60 C  Storage Temperature Range - 20 C to +60 C  Twists per turn &gt; 200  <b>&amp; With Installation</b></p>	SRE	100 Mtr	NOS	Mohit@ 957	7821 38	21				
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5.	<p><b>Display Panel</b></p> <p>LG Ultra HD (3840 x 2160) LCD (Liquid Crystal Display)  Professional Large Formation Display  Operating Time (Number of operation hours per day x number of days in week) – 16 x 7  Input Ports available in product – HDMI 2.0 port  Output Ports available in product – Auxiliary (3.5mm stereo)  Additional Ports available in product – Ethernet, RS 232 Port, USB 2.0  Frame Material Encircling Display – Plastic  Diagonal Display Size (In Inches) – Between 50 and 60 (127 – 152.4cm)  Display Technology – LCD (Liquid Crystal Display)  Type of Backlight in Display Technology – Direct lit LED  Type of panel technology – VA (Vertical Alignment)  Native Resolution of Display – Ultra HD (3840 x 2160)  Max display brightness in product (in nits) – Between 250 and 500  Maximum Horizontal Viewing Angle (In deg) – Greater then 170  Maximum Vertical Viewing Angle (In deg) Greater then 170  Operating system in product – Web OS  Features Supported – CMS (Content Management System), Scheduling, Media Player, Inbuilt Speaker, Bluetooth, Wifi  Available Orientation Mode in Product – Landscape and Portrait (Horizontal and Vertical)  Minimum Standard Warranty (Year) - 1  Standard Warranty on product (In Years) -3  Native Resolution of Display (Pixels) – Ultra HD (3840 x 2160)  Standard accessories – AC power cord, remote control, mounting hardware kit (wall mount brackets, required bolts/nuts, and any accompanying fixtures), necessary cables / connectors, basic connectivity cables to be supplied with the product.  Software updates, if any, will be provided by the OEM during the warranty period  Standard mounting / installation in INCLUDED in the scope of supply &amp; <b>With Installation</b></p>	SRE	01	NOS	Mohit@ 957	7821 38	21				
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6.	<p><b>Western Digital Purple 2 TB Surveillance Hard Drive</b>  <b>SATA</b>  Digital Storage Capacity – 2000 GB  Brand Name – WD  Hard Disk Interface – Serial ATA-600  Network Connectivity technology SATA  Hard Disk Type Mechanical Hard Disk  Product Features – Not Performance Used  Box contents – Internal Hard Drive  Hard Disk form factor – 3.5 Inches  Model No WD Purple HDD  Compatible Devices – Desktop  Hard Disk Rotation Speed – 5400 RPM  Read Speed 180 megabytes per second  Media Speed 180 MB/s  Cache Memory Installed size – 64  Form Factor – 3.5 Inch  Hardware Connectivity – SATA 6.0 Gb/s  Hard Drive Size – 2TB  Customer Package Type – Standard Packing  Warranty – 3 Year Limited warranty &amp; <b>With Installation</b></p>	SRE	01	NOS	Mohit@9 57	7821 38	21							
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