

## CCTV SPECIFICATIONS FOR TENDER

S. NO.	ITEMS WITH SPECIFICATIONS	QUANTITY
<b>NETWORK VIDEO RECORDERS</b>		
1	<ul style="list-style-type: none"> <li>• 16 Channel NVR</li> <li>• H.265+ SUPPORT</li> <li>• 300+ MBPS BANDWIDTH SUPPORT</li> <li>• 12 MEGAPIXEL SUPPORT</li> <li>• 1 HDMI</li> <li>• 1 VGA</li> <li>• INTELLIGENT FEATURES SUPPORT</li> <li>• 4K ULTRA HD SUPPORT</li> <li>• 2 SATA HDD PORTS, 8TB CAPACITY EACH</li> <li>• 2 USB PORTS SUPPORT</li> <li>• 2 X 6TB SURVEILLANCE HARD DRIVE</li> <li>• Multi Output (Optional)</li> </ul>	03
<b>CAMERAS</b>		
2	<ul style="list-style-type: none"> <li>• 8 Megapixel PTZ DOME CAMERA</li> <li>• Night Vision</li> <li>• H.265 SUPPORT</li> <li>• 30X OPTICAL ZOOM</li> <li>• 25/30 FPS @ 4K/8 MEGAPIXEL</li> <li>• AUTO TRACKING SUPPORT</li> <li>• IR LENGTH OF MINIMUM 200 METERS</li> <li>• IP67</li> <li>• IK10 SUPPORT</li> <li>• PRIVACY MASKING SUPPORT</li> <li>• INTELLIGENT FEATURES SUPPORT</li> </ul>	01
3	JOY STICK FOR PTZ SPEED DOME CAMERA	01
4	<ul style="list-style-type: none"> <li>• 4 MEGAPIXEL CAMERA</li> <li>• Night Vision</li> <li>• H.265+ SUPPORT</li> <li>• 25/30FPS @ 4 MEGAPIXEL</li> <li>• WIDE DYNAMIC RANGE</li> <li>• 2.7mm to12mm (MOTORIZED ZOOM LENS)</li> <li>• AUDIO IN AND OUT SUPPORT</li> <li>• IR LENGTH OF 50 METERS</li> <li>• PRIVACY MASKING SUPPORT</li> <li>• INTELLIGENT FEATURES SUPPORT</li> <li>• SD MEMORY SUPPORT</li> <li>• IP67</li> <li>• POE</li> </ul>	05
5	<ul style="list-style-type: none"> <li>• 4 MEGAPIXEL CAMERA</li> <li>• Night Vision</li> <li>• H.265+ SUPPORT</li> <li>• 25/30FPS @ 4 MEGAPIXEL</li> <li>• WIDE DYNAMIC RANGE</li> <li>• FIX LENS</li> <li>• DIGITAL ZOOM SUPPORT</li> <li>• INTELLIGENT FEATURES SUPPORT</li> </ul>	37

	<ul style="list-style-type: none"> <li>AUDIO IN AND OUT SUPPORT</li> <li>IR LENGTH OF 50 METERS</li> <li>PRIVACY MASKING SUPPORT</li> <li>SD MEMORY SUPPORT</li> <li>IP67</li> <li>POE</li> </ul>	
<b>CABLING</b>		
6	<ul style="list-style-type: none"> <li>CAT 6 UTP HIGH QUALITY CABLE</li> <li>BARE STANDARD COPPER CONDUCTOR</li> <li>23AWG</li> <li>PURE COPPER</li> <li>HIGH QUALITY DUCT PATI MUST BE FIXED ON SCREW</li> </ul>	RFT (AS PER REQUIREMENT DURING INSTALLATION)
7	<ul style="list-style-type: none"> <li>2 CORE POWER CABLE 3/29 PURE COPPER, HIGH QUALITY</li> <li>HIGH QUALITY DUCT PATI MUST BE FIXED ON SCREW</li> </ul>	RFT (AS PER REQUIREMENT DURING INSTALLATION)
<b>DISPLAY SCREEN</b>		
8	<ul style="list-style-type: none"> <li>ORIGINAL 55" 4K LED TV (Compatible with NVR Device)</li> <li>HDMI</li> <li>USB</li> <li>TV In/Out</li> </ul>	03
<b>POWER BACKUP</b>		
9	<ul style="list-style-type: none"> <li>3 KVA LINE INTERACTIVE UPS (IMPORTED/BRANDED)</li> <li>4 X 150 AH MAINTENANCE FREE DRY BATTERIES (IMPORTED/BRANDED)</li> </ul>	01
<b>NETWORK SWITCHES</b>		
10	<ul style="list-style-type: none"> <li>8-PORT POE SWITCH</li> <li>1 X 1000 BASE-X</li> <li>1 X 10/100/1000 BASE-T</li> <li>8 X 10/100 BASE-T</li> <li>INDUSTRIAL WIDE TEMPERATURE DESIGN</li> <li>MORE THAN 7K CAPACITY OF MAC ADDRESS LIST</li> <li>INDUSTRIAL POE SWITCH (TWO-LAYER)</li> <li>CONFORM IEEE802.3,</li> <li>IEEE802.3U,</li> <li>IEEE802.3AB/Z AND IEEE802.3X STANDARDS</li> <li>SUPPORT IEEE802.3AF,</li> <li>IEEE802.3AT STANDARD</li> </ul>	AS PER REQUIREMENT DURING INSTALLATION
11	<ul style="list-style-type: none"> <li>16-PORT POE SWITCH</li> <li>2 X 10/100/1000 BASE-T (COMBO PORT)</li> <li>2 X 1000 BASE-X (COMBO SFP PORT)</li> <li>16 X 10/100 BASE-T (POE POWER SUPPLY)</li> <li>200 METERS+ LONG DISTANCE POE TRANSMISSION</li> <li>POE MANAGEMENT, POE SETTING/EVENT STATISTICS/GREEN POE</li> <li>POE BUDGET: 190W</li> <li>SUPPORT POE, POE+, HI-POE</li> </ul>	AS PER REQUIREMENT DURING INSTALLATION

	<p>'ORANGE PORT' SUPPORT HI-POE, CAN BE USED WITH THE POE EXTENDER</p> <ul style="list-style-type: none"> <li>• LAYER 2 MANAGEMENT POE SWITCH</li> <li>• SUPPORT WEB MANAGEMENT</li> <li>• SEARCH AND UPGRADE VIA CONFIGURATION TOOL</li> <li>• HIGH LIGHTNING PROTECTION DESIGN</li> <li>• NON-BLOCKING VIDEO TRANSMISSION</li> </ul>	
12	<ul style="list-style-type: none"> <li>• HIGH QUALITY 4U CABINET FOR SWITCHES</li> <li>• GLASS DOOR</li> <li>• FAN</li> <li>• RCC CANOPY FOR OUT DOOR 4U CABINET (IF REQUIRED)</li> </ul>	AS PER REQUIREMENT DURING INSTALLATION
13	<ul style="list-style-type: none"> <li>• HIGH QUALITY (IMPORTED) 27 U CABINET FOR NVR, SWITCH &amp; UPS</li> <li>• 27U RACK 600 X 800 PERFORATED RACK</li> <li>• 1 FIX TRAY</li> <li>• 1 SLIDING TRAY</li> <li>• 4 FANS</li> <li>• 24 PORT PATCH PANEL LOADED</li> <li>• CABLE MANAGER</li> <li>• 12 WAY UNIVERSAL PDU</li> </ul>	01

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**Security In-charge**