

**MATRIX FOR TECHNICAL SPECIFICATIONS FOR A CCTV SYSTEM FOR EMBASSY RESIDENCE****(TO BE FURNISHED BY THE COMPANY AND ATTACHED WITH TECHNICAL BID)**

S.No.	Product description	Unit	Qty	Whether the Company would be able to provide the given specifications and quantity (Yes/No)	If not, the nearest specifications that the Company can provide	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	CCTV System					
<b>1</b>	Supply, Installation, Testing & Commissioning of Fixed Dome Indoor, 1080p or better True Day/Night Network Switching IP, 2-4 MP, H.265 Dome Camera with external/internal IR with 1/3" or better progressive scan. The cameras shall have a minimum illumination of 0.01 Lux@50 IRE in color mode, 0.001 Lux @ 50 IRE in Black & White mode and 0 Lux with external IR along with weather protected features. <b>(Camera Should be – UL listed)</b>	Nos	0			
<b>2</b>	Supply, Installation, Testing & Commissioning of Fixed Bullet Camera with 1/3" progressive scan CMOS sensor, 0.008 Lux @ F1.2 illuminations with IR, super WDR up to 140 db, 1920x1080 image resolution, H.265(HEVC)/H.264/MPEG video compression along with weather protected features. <b>(Camera Should be – UL listed)</b>	Nos	0			
<b>3</b>	Supply, Installation, Testing & Commissioning of Motorized Bullet Camera with 1/3" progressive scan CMOS sensor, 2.8 to 12 MP motorized Lens, 0.008 Lux @F1.2 illuminations with IR, super WDR up to 140 db, 1920x1080 image resolution, H.265(HEVC)/H.264/MPEG Video	Nos	6			

	compression along with weather protected features. <b>(Camera Should be – UL listed)</b>					
<b>4</b>	Supply, Installation, Testing & Commissioning of High speed full PTZ Dome 1/1.8" or better CMOS sensor, 2-3 MP resolution, 36 optical zoom, 5-120mm Focal length, 255 Present Position, 360-degree continuous rotation, 8 group Cruise Track, 4 group pattern track, 0.01 Lux in Color/0.001 Lux in B&W mode for minimum illumination, H.265 main profile encoding, MJPEG/JPEG Baseline encoding. <b>(Camera Should be – UL listed)</b>	Nos	0			
<b>5</b>	Supply, Installation, Testing & Commissioning of High speed 16 CH NVR video output HDMI(1440x900 to 1920x1080), VGA(1440x900 to 1920x1080), CVBS(1440x900 to 1920x1080), Audio Input & Output supported, H.264 Video Compression, Audio Compression G711U, 2 SATA <b>along with embedded LINUX operating system</b>	Nos	1			
<b>6</b>	Supply, Installation, Testing & Commissioning of 42 inches LED Monitor with 350 NITS brightness	Nos	2			
<b>7</b>	Supply, Installation, Testing & Commissioning of 17/42U Rack for Switch Mounting with Fan and power strip, PoU, Hardware mounting kit.	Nos	1			
<b>8</b>	Supply, Installation, Testing & Commissioning of 6U Outdoor Industrial Rack for Switch Mounting with Fan and power strip, PoU, Hardware mounting kit.	Nos	1			
<b>9</b>	Supply, Installation, Testing & Commissioning of Work Station of latest Intel i7 8 <sup>th</sup> Generation or latest model, processor, Intel chipset Motherboard, 32 GB DDR4 RAM, 1TB SATA HOD at 7200 rpm along with <b>1TB STATA as standby</b> , 4K Graphic Card with 4 GB dedicated RAM with Quad Display ports/DVI/HDMI port. DVD writer, Giga LAN Card, Keyboard, Optical Mouse etc., complete as required for any complete Operating System	Nos	2			
<b>10</b>	Supply, Installation, Testing & Commissioning of Media Converter Standard IEEE802.33u, 10/100/1000 base-T, 1000 base-SX/LX IEEE802.3ah, IEEE802.3z/ab, Flow control IEEE8.2.3x port flow control and backpressure control, buffer space 128KB, Single mode fiber 8/125/8.3/125, 9/125mm and Wavelength of 850nm/1310nm/1550nm <b>along with infinite storage transmission.</b>	Nos	1			

<b>11</b>	Supply, Installation, Testing & Commissioning of 16 GE + 2 SEP port PoE Switch, PoE port output power 15.4w/30w/IEEE802.3af/at, protocol standard IEEE802.3af/IEEE802.3at, Forwarding Rate 100Mbps: 14880pps/1000 Mbps: 14800pps	Nos	1			
<b>12</b>	Supply, Installation, Testing & Commissioning of 24 port switch + 2 SEP port PoE Switch, PoE port output power 15.4w/30w/IEEE802.3af/at, protocol standard IEEE802.3af/IEEE802.3at, Forwarding Rate 100Mbps: 14880pps/1000 Mbps: 14800pps	Nos	1			
<b>13</b>	Supply, Installation, Testing & Commissioning of Single Mode one 1G SFP Module, Switch and SFP module should be from same OEM only.	Nos	2			
<b>14</b>	Supply, Installation, Testing & Commissioning of 12/24 Port Fiber Panels(LIU) fully loaded with Pigtails, Couplers, Splice Trays and other Mounting accessories.	Nos				
<b>15</b>	Supply, Installation, Testing & Commissioning of fully loaded 8/24 Port Patch Panel available in 1U 24 Port density. Jack should be covered for prevention from dust other contaminates. Flat type metal with perforated Rear Cable Manager to hold cables with Velcro or cable ties. RoHS compliant.	Nos				
<b>16</b>	Supply, Installation, Testing & Commissioning of LC-LC Single mode, 3 meter Fiber Patch cord in LSOH jacket, which reduces toxic/corrosive gases emitted during combustion.	Nos				
<b>17</b>	Supply, Installation, Testing & Commissioning of 3 meter Data patch cord in.	Nos				
<b>18</b>	Supply, Installation, Testing & Commissioning of 12 core multi-mode fiber cable. Optical Fibers in water blocked loose tube, taped, corrugated Steel Tape Armored(STA) polyethylene (HDPE) outer sheathed embedded with two steel wires on the periphery. The cables are with UV stabilized PE jacket and protected from Rodent attacks.	Meter				
<b>19</b>	Supply, Installation, Testing & Commissioning of 6A Field Termination Plugde signed to support 10 GB Networks that can be easily terminated using parallel Jaw Pilers.	Meter				
<b>20</b>	Supply and Drawing 3x1.5 sq mm size of PVC insulated Copper Conductor, Single Core Cable in existing surface/recessed steel/PVC conduit as required.	Meter				

<b>21</b>	Supply and fixing of 25 size of medium class PVC conduit along with accessories in surface/Recess including cutting the wall and making good the same in case of recessed conduit as required.	Meter				
<b>22</b>	Supply & laying of standardized 40mm HDPE pipe(medium) inside the soft soil in depth of approx. 75 cm including bends, inspection box and all other material required to complete.	Meter				
<b>23</b>	Pole 5/9 meter Galvanized Pole	Nos				
<b>24</b>	Trenching	Meter				
<b>25</b>	Junction box	Nos				
<b>26</b>	Any other material/equipment/accessories and specification thereof					

- (a)
- (b)
- (c)
- (d)

**UNDERTAKING**

It is hereby certified that M/s \_\_\_\_\_ (name of Company) is capable of providing and undertakes to provide above 'Specifications & Quantity' at the time of supply, installation, testing and commissioning of the CCTV System.

**(Seal & Signature of the authorized Company Representative)**

**Name & Address:**