

**CORRIGENDUM TO RFP INVITATION OF BIDS FOR PROCUREMENT AND SUBSEQUENT ESTABLISHMENT OF ITEMS
FOR UPGRADATION OF THE SURVEILLANCE SYSTEM AT
ARMY PUBLIC SCHOOL, BATHINDA**

1. PI ref to our RFP for procurement of items for surveillance system at Army public school, Bathinda uploaded on 23/09/2023. It has come to notice that there is a requirement of issuing certain clarifications in respect of items being procured as part of above project.

2. Bidders are requested to note below mentioned clarifications and submit fresh technical and commercial bids. Last date of submission of Bids is 12th Oct 23.

S No	Item	Unit	Quantity	Technical specifications
(a)	2 MP Day Colour and night Black & White	Nos	130	<ul style="list-style-type: none"> • 1/3" 2 MP PS CMOS Image Sensor (0.84667cm) • Outputs max. 2 MP (2560 × 1440) @25/30fps • Insta stream and Smart H.264+ dual-stream encoding • DWDR, Day/Night (ICR), 3D-NR, ROI, AWB, AGC, BLC, HLC • Support Built-in Mic • 3.6mm fixed lens (2.8mm optional) • IR Range of 30 Mtrs, IP67, PoE • Mobile Software: Compatible software to supports streaming of live feed on Mobile • PC Software: Compatible software to supports streaming of live feed on Computer
(b)	PTZ 2 MP Colour	Nos	8	<ul style="list-style-type: none"> • 1/2.8" 2MP CMOS Image sensor (0.9071 centimeters) • Max. 25/30fps@2MP • 32x Optical zoom and 16x Digital zoom • WDR (120dB), 2D/3D-DNR, Day/Night (ICR), EIS, Electronic Defog, ROI, AGC, AWB, BLC, HLC • Up to 300 Presets, 5 Auto scan, 8 Tour, 5 Pattern, • Support Starlight Technology • IR Range of 100 Mtr.

				<ul style="list-style-type: none"> • Max 300°/s pan speed, 360° endless pan rotation • Deep-learning-based auto tracking and perimeter protection • SMD PLUS • Built-in 2/1 alarm in/out, IP67, IK10, Micro SD Card, PoE+ • Support Face Detection • Mobile Software: Compatible software to supports streaming of live feed on Mobile • PC Software: Compatible software to supports streaming of live feed on Computer
(c)	NVR 32 CH	Nos	7	<ul style="list-style-type: none"> • Up to 32 channel IP camera input • NVR must support secure (Https:443) protocol for web streaming and should be configured for Https protocol from day one. • Interstream/H.265/Smart H.264+/H.264/MJPEG • Max. decoding capability: 8 x 1080p@30fps. Supports adaptive decoding • Supports mainstream cameras of ONVIF and RTSP protocols • Support 2 SATA HDDs up to 10TB Each, 2 USB Ports • VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K • Support Multi-brand network cameras • AI by Camera: Face detection, perimeter protection, • IVS, people counting, heat map, and SMD • Mobile Software: Compatible software to supports streaming of live feed on Mobile • PC Software: Compatible software to supports streaming of live feed on Computer
(d)	Hard Disk 16TB (8+8)	Nos	14	<ul style="list-style-type: none"> • Digital Storage Capacity: 8 TB • Hard Disk Interface: Serial ATA • Connectivity Technology: SATA • Hard Disk Form Factor: 3.5 Inches • Type: Internal Hard Drive • Rotational Speed: 7200 RPM or above

(e)	LED 43"	Nos	7	<ul style="list-style-type: none"> • Screen Size: 43 Inches • Display Technology: LED • Resolution: 4K Ultra HD (3840x2160) • Refresh Rate: 60 Hz • Dual Band Wi-Fi • 2-way Bluetooth • HDMI ports 2.1 x 3 (HDMI 1 supports eARC) to connect personal computer, laptop, set top box, USB ports 2.0 x 1, 3.0 x 1 • RJ 45 port – 01 x 10/100/1000Mbps • Sound: 30 Watts Output • Smart Tv Features - Voice enabled Smart Remote, 2GB RAM,16GB Storage, 64bit Quad Core Processor • Mounting Hardware (To be supplied with): 1 Table Top Stand, 1 Wall mount stand with necessary screws
(f)	PoE Switch 8 Port	Nos	16	<ul style="list-style-type: none"> • Eight 1000Mbps RJ45 ports; Max. 30W Output of Single PoE Port • Support IEEE802.3i/802.3u/802.3x/802.3ab • Uplink Port: 2, 1000Mbps; Transmission Distance: 0-100m • PoE Power Budget: 48W
(h)	PVC Box	Nos	124	<ul style="list-style-type: none"> • Material: Plastic • Dimension: 12x12 Inch • No of ways: 4 • Cable entry: Bottom • Surface: color coated • Color: White

(j)	Cat 6 cable Indoor (305 Mtr)	Roll	12	<ul style="list-style-type: none"> • 4 Pair • Data transfer rate :1 Gigabits Per Second
(k)	Cat 6 cable Outdoor (305 Mtr)	Roll	4	<ul style="list-style-type: none"> • 4 Pair, Double Jacket • Outer material: Low-density polyethylene (LDPE) • Gauge: AWG - 24.0 (0.0201 inches) • Specification supported: CE, RoHS
(l)	Media Converter	Nos	30	<ul style="list-style-type: none"> • Cable Interface: Fiber Optic, Ethernet • Bandwidth of the LAN port 10/100/1000 mbps • Single-fiber single-mode to supports 20 KM Distance • Support conversion between 10Base-T/1000Base-TX twisted-pair electrical signal and 1000Base-SX/LX optical signals
(m)	4 Core OFC	Mtrs	2000	<ul style="list-style-type: none"> • No. of Cores: 4 • Mode Type: Single Mode • Jacket Material: HDPE • Standard: G652D
(n)	PVC conduit Pipe	Mtrs	1000	<ul style="list-style-type: none"> • Type: PVC conduit pipe • Diameter: 1 Inch • Length of one pipe: 10meters • Thickness: 2.2mm • Color: White
(o)	Clamps	Nos	3000	<ul style="list-style-type: none"> • 1 inch Metal Clamps for PVC Pipes • Type: round
(p)	2U Rack Outdoor	Nos	19	<ul style="list-style-type: none"> • Wall Mount Rack to be supplied with wall mount • Dimensions: 45 x 34 x 4 cm; 3.25 Kilograms • Material: Front Glass • Body: Iron (0.8mm Thick)
(q)	HDMI cable 10 Mtr	Nos	10	<ul style="list-style-type: none"> • 4K 2.0 HDMI Cable • Data Transfer Rate: 18 Gigabits Per Second • Length: 10 Meters

(r)	Flat wire 2 core	Roll	40	<ul style="list-style-type: none"> • 90 meters per roll • 2.5mm, 2 core flat copper wire
(s)	Fibre Termination box	Nos	50	<ul style="list-style-type: none"> • Dimension: 26 x 9 x 20 Centimeters • Cable Interface: Fiber Optic
(t)	Pigtails	Nos	50	<ul style="list-style-type: none"> • Corning single-mode • Standard: G652D • Connector type: SC to SC type • Cable: 0.9mm • Cable length: 2 meters
(u)	RJ45	Nos	400	RJ 45 connectors
(v)	16 Port Switch giga	Nos	1	<ul style="list-style-type: none"> • 16 x 10/100/1000 Mbps RJ-45 ports, plug and play installation • Complies with IEEE802.3, IEEE802.3x • Switching capacity: 32Gbps backplane • Data transfer speed upto 20000 mbps (full-duplex)
(w)	5 Port Switch giga	Nos	10	<ul style="list-style-type: none"> • 5 x 10/100/1000 Mbps RJ-45 ports, plug and play installation • Complies with IEEE802.3, IEEE802.3x • Switching capacity: 10Gbps backplane • Data transfer speed upto 20000 mbps (full-duplex)
(x)	Wireless Mouse	Nos	7	
(y)	15 U Rack with Assy	Nos	1	<ul style="list-style-type: none"> • Wall Mount Rack to be supplied with wall mount • Dimensions: 55 x 45 x 72 cm • Item Height: 72 Centimeters • Item Width: 45 Centimeters • Front Toughened Glass Door • Powder coating frame RAL 7035 • Two PDU 6 Socket

				<ul style="list-style-type: none"> • 10" Tray (4 Nos) • 2 Fan & Hardware Kit • One Cable Organizer 1U Closed
(z)	Installation & assy	Nos	138	Installation and assembling cost
(aa)	Invertor 4KVA	Nos	1	<ul style="list-style-type: none"> • Inverter-Type: Pure Sine Wave • VA Rating: 1100VA/12V • Peak Load: 924W • Output Voltage: 220V • LED Display for status of Power back-up / battery charging time in Hours and Minute • Rotary Bypass switch • To be supplied with Four batteries • Battery capacity – 160 AH • Voltage: 12 Volts • Electrolyte Volume (L):-20
(ab)	Invertor 2 KVA	Nos	2	<ul style="list-style-type: none"> • Inverter-Type: Pure Sine Wave • VA Rating: 2000VA/24V • Peak Load: 1680W • Output Voltage: 220V • LED Display for status of Power back-up / battery charging time in Hours and Minute • Rotary Bypass switch • To be supplied with Two batteries • Battery capacity – 160 AH • Voltage: 12 Volts • Electrolyte Volume (L):-20