

Bid Document

Bid Details	
Bid End Date/Time	03-10-2019 21:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Gujarat
Department Name	Education Department Gujarat
Organisation Name	N/a
Office Name	Government Engineering College Palanpur
Total Quantity	3760
Item Category	Video Recorder for CCTV System , Surveillance Hard disk , Camera for CCTV System , Camera for CCTV System , Layer 2 Access Switch , Layer 2 Access Switch , Networking/Server Rack , Line Interactive UPS with AVR , Cables suitable for CCTV System (Accessories) , Laying & Installation Charges for Cables (with or without conduit) Suitable for CCTV System(Accessor , Installation & Commissioning charges for CCTV Cameras (Accessories)
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Bid to RA enabled	No

Video Recorder For CCTV System (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
TYPE	Type of Recording Device	NVR	NVR
	IP Camera Support	Yes	Yes
	PTZ Camera control Support	Yes	Yes

	Housing construction	Alluminium	Alluminium
	Mounting	Wall Mounted	*
	Rack Mount configuration	NA	*
	Capability of Recorder to Work with Other Makes of CCTV Cameras (ONVIF support)	Yes	*
VIDEO	Number of Video Input Channels	32	32
	Number of Non-IP based Video input Channels for HVR	NA	NA
	Number of IP based Video input Channels for HVR	32	32
	Number of Video Output Channels	32	32
	Recording Resolution	Full HD (1920 x 1080)	Full HD (1920 x 1080)
	Supported Compression Technique	H.264,MPEG-4,H.264+	*
	Maximum Number of cameras to be viewed on a single display	32	*
	Total number of simultaneous local views	2	*
	Simultaneous Monitoring Connections for All Cameras (Users in Local Network for Client Connection)	8	*
	Recording Speed for all channels (fps)	25	*
	Minimum Through put (Mbps)	256	*
	Display Image Rate	Real time per channel	*
	AUDIO	Audio Support	Yes
Audio Input		32	*
Audio Output		1	*
Audio Compression		G.726,G.711,G.722.1,A-Law,U-Law,MP2L2,AAC	*

	Minimum Number of Simultaneous Channels for Two-way Audio Support	1	*
SECURITY	Type of Encryption	HTTPS (SSL/TSL),HTTP (SSL/TSL),WPA,WPA2,TKIP	*
	Multi Level User ID / Password	Yes	*
ALARM	Alarm Support	Yes	*
	Alarm Input	4	*
	Alarm Output	1	*
	Pre / Post Alarm Buffer	Yes	*
	Pre-Alarm Recording	5	*
	Post-Alarm Recording	60	*
	Video Content Analytics (VCA)	Trip-wire Detection,Motion Detection,Intrusion Detection,Tampering	*
NETWORK PROTOCOLS / INTERFACE / OPERATING SYSTEM	Operating System Supported	Windows,MAC	*
	Supported Network Protocols	UDP,SNMP,IGMP,DHCP, RTP,RSTP,HTTP,HTTPS, DNS,DDNS,RTSP,RTCP, NTP,UPnP,SMTP,FTP,ICMP,QoS,TCP/IP	*
	Supported Interface	Ethernet,HDMI,VGA,USB,RS-485	*
	Physical Layer of Ethernet	10/100/1000 Base TX	*
	Number of Ethernet Ports	1	*
	Number of HDMI Ports	1	*
	Number of VGA Ports	1	*
	Number of CVBS Ports	0	*
	Number of USB Ports	2	*
	Number of Serial Ports	0	*
	Number of PoE Ports	0	*
	Supported SIM Slot	NA	*
	Number of SIM Slots	0	*
FEATURES	Video Loop Support	Yes	*
	Video Recorder supports recording on NAS Directly	No	*

	Remote Administration (Remote Configuration And Status Using Web Based Tool)	Yes	*
	System Update (Remote System Update Over Network Using Web Client)	Yes	*
	PC Client (PC Application Client With A Channel Recording Feature Support)	Yes	*
	Web Client (Viewer through HTTP system configuration)	Yes	*
	On Screen Display (In English)	Yes	*
	Drivers / Compatible Software (Wherever Applicable) Part Of Supply	Yes	*
	Recording schedule support	Yes	*
	Bandwidth Control	Yes	*
	Camera Notification	Spot (POP up Window) on Event,E-mail	*
	Network transmission Speed	Real time display @ D1 resolution	*
	Other features, if any	-	*
PLAYBACK / VIEW / MANAGEMENT	Search	Date,Time,Event,Log, Motion	*
	Bookmarks	Forward,Backward,adjustable playback speed,Full Screen,Next Camera,Previous Camera,Repeat	*
	Page preview	Multi Monitor Support,Video Window,Electronic Map on two separate monitors	*
	Total Management	Group add,Delete,Group management	*
	Camera	Add,Edit,Delete,Use Master account,Use Specific account	*
STORAGE	Internal Hard Drive Interface	SATA I	*

	Number of Hard Disks (inclusive in the scope of supply)	1	*
	Storage Capacity of each Hard Disk (TB)	4	*
	Total Storage Capacity(TB)	12	*
	Internal Storage Expandable upto (TB)	4	*
	Number of Hard Disks supported	2	*
	Redundancy Option	RAID 1	*
POWER SUPPLY	Power Input	230 ± 10%, 50Hz,12 V DC	*
	Power Consumption	60	*
	Suitable Adapter to be Supplied to Make the Equipment Work on 230 V ± 10 %, 50 Hz	Yes	*
	Redundant Power Supply	Yes	*
OPERATING CONDITIONS	Minimum Operating Temperature	-5	*
	Maximum Operating Temperature	50	*
	Relative Humidity Non Condensing at 40 deg C	90	*
WARRANTY / SERVICES	Warranty	2	2.0
	Time for Replacement of Defective Product During Warranty Period	24	24.0
ENVIRONMENTAL / CERTIFICATION	Availability of facility and infrastructure for verification of all the parameters, features and capability with the Seller	Yes	*
	Conformity to Dry Heat test at Specified Maximum Operating Temperature for 16 hours as per IS :9000 latest	Yes	*
	Conformity to Damp heat at 40 degree C -	Yes	*

	95% RH (cyclic test): two cycles of 16+8 hours as per IS: 9000 latest		
	Conformity to Cold test at Specified Minimum Operating Temperature for 4 hours as per IS: 9000 latest	Yes	*
	BIS Registration for safety general requirements as per IS: 13252 (Part 1): latest	Yes	*
	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	-	*
	Test Report Number and Date	-	*
	Name and Address of Test Lab	-	*
	Certification	FCC,CE	*
LIST OF ITEMS	List of Items and Quantity of each item included in the offer	-	*

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantilal Manilal Patel	385011,Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	1	30

Surveillance Hard Disk (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specifications	Type	Internal	*

Form Factor	3.5	*
Capacity (TB)	4	4.0
Cameras supported	64	*
Number of USB 2 Ports	1	*
Interface	SATA 6 Gb/s	*
Workload Rating (TB/year)	550	550
OS Supported	Windows	*
NVR-Ready	Yes	*
Bay Count Support	1	*
Cache (MB)	64	*
Water Resistant	Yes	*
Shock Resistant	Yes	*
Dimension (W x H x D) (mm x mm x mm)	-	*
Weight (Grams)	612	*
Wattage (Watts)	8	*
Standard Accessories to be supplied	-	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (% RH)	85	*
Availability of Test Reports from Central Govt / NABL approved / ILAC accredited lab to prove conformity to the specification (Test reports are to be furnished when demanded by buyer)	No	*
If yes, Test Report Number and Date	-	*
If yes, Name of the Lab	-	*
If yes, Address of the Lab	-	*
Warranty (Years)	1	1

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantil Manilal Patel	385011, Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	2	30

Camera For CCTV System (7 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
CAMERA TYPE	Type of Camera Housing	BULLET CAMERA	BULLET CAMERA
	IP Camera	Yes	Yes
	PTZ Camera	No	No
IMAGE SENSOR	Image Sensor Type	CMOS	CMOS
	Image Sensor Size	0.34	1, 0.67, 0.5, 0.34, 0.357, 0.37, 0.4 Or higher
	Camera Image Sensing capacity (Picture Mode)	2MP	2MP
	Resolution	D1 (704 x 480 Pixel), HD (1280 x 720 Pixel), Full HD (1920 x 1080 Pixel), 4K HD (3840 X 2160 Pixel)	D1 (704 x 480 Pixel), HD (1280 x 720 Pixel), Full HD (1920 x 1080 Pixel), 4K HD (3840 X 2160 Pixel)
	Day/Night Capable	Yes	Yes
	IR illumination Range(mtr)	30	30
OPTICS	Lens Type	Fixed	*
	Focal Length(mm)	6	6
	Iris Control	Yes	*
	Focus Mode	Auto, Zooming, One Push, Manual	*
VIDEO	Frame Rate (fps)	25,30	25, 30
	Video Compression	H.264, H.265+, H.265+, MJPEG, MPEG4	*
	Video Streaming	Triple compressed stream	Triple compressed stream
PAN / TILT / ZOOM	Panning Range	NA	*

	Pan Speed (deg/sec)	NA	NA
	Tilt Range below horizontal (deg)	NA	*
	Tilt Range above horizontal (deg)	NA	*
	Tilt Speed (deg/sec)	NA	NA
	Optical Zoom	NA	NA
	Digital Zoom	10X	10X
AUDIO	Audio Support	Yes	Yes
	Audio Compression	G.726,G.722.1,G.711,A-Law,U-Law,MP2L2,AAC	*
	Audio Streaming	Two-Way	*
	Number of Audio Input Channel	1	*
	Number of Audio Output Channel	1	*
	External Microphone Support	Yes	*
ALARM	Alarm Support	No	No
	Number of Alarm Digital Input	NA	*
	Number of Alarm Relay Output	NA	*
	Pre/Post Alarm Buffer	No	*
SECURITY	Multi Level User ID/Password	Yes	*
	IP Address Filtering	Yes	*
	Encrypted Data Transmission	HTTPS (SSL/TSL)	*
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.05	0.05, 0.01 Or lower
	Electronic Shutter Speed(sec)	1/50 to 1/10000	*
	WDR (Wide Dynamic Range)	120 dB	120 dB
	SNR (Signal to Noise Ratio)	50-60	50-60
	Auto Exposure	Auto Level Control,Electronic Level Control	*
FEATURES	White Balance (Indoor/Out door/Manual	Yes	*

	Selectable)		
	Auto Gain Control (On/Off selectable)	Yes	*
	Back Light Compensation	Yes	*
	Remote Administration (Remote configuration and status using web based tool)	Yes	*
	Remote System Update Over Network	Yes	*
	PC Client (PC application client with a channel recording feature support)	Yes	*
	Web Client (Viewer through HTTP system configuration)	Yes	*
	On Screen Display in English	Yes	*
	ONVIF Support	Yes	*
	Presets	0	*
	Group Touring	0	*
	Privacy Zones	8	*
NETWORK AND INTERFACE	Supported Protocols	UDP,SNMP,IGMP,DHCP, RTP,RSTP,HTTP,SMTP,FTP,ICMP,HTTPS,DNS,DDNS,RTSP,RTCP,NTP,UPnP,QoS,TCP/IP	*
	IP Support	Static,Dynamic	*
	Signal Processing	Digital Signal Process	*
	IPv6 ready	No	*
	Wireless	No	*
	Simultaneous Connections	5	*
STORAGE	On Board SD Card Support	No	*
	SD Card Memory(GB)	NA	*
HOUSING	Installation Type	Indoor,Outdoor	Indoor, Outdoor
	Material of the Housing construction	Alluminium	Alluminium
	Protection	IP 66	*
	Vandal Resistant Housing	No	*

	If Yes, IK rating	NA	*
	Mounting bracket	Pole Mounted	*
	Weight	1000	*
	Dimensions (mm x mm x mm)	-	*
POWER SUPPLY	Power Input	12 V DC,PoE	*
	Power Consumption	30	*
	Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	Yes	*
OPERATING CONDITIONS	Operating Temperature Range	-10 to +50 deg C	*
	Relative Humidity Non Condensing (%)	95	*
WARRANTY / SERVICES	Warranty	2	2, 3, 4, 5 Or higher
	Time for Replacement of Defective Product During Warranty Period	24	12, 24 Or lower
	Supply of Compatible drivers and software included	Yes	*
ENVIRONMENTAL / CERTIFICATION	Availability of facility & infrastructure for verification of all parameters, features, and capability with Seller	Yes	*
	Availability of facility to test signal to noise ratio of camera at 0-01 lux	Yes	*
	Conformity to Dry Heat test at 55 degree C for 16 hours as per IS :9000 latest	Yes	*
	Conformity to Damp heat at 40 degree C - 95% RH (cyclic test): two cycles of 16+8 hours as per IS: 9000 latest	Yes	*
	Conformity to Cold test at -10 / -20 degree C for 4 hours as per IS: 9000 latest, as applicable	Yes	*

BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes	*
Availability of Type Test Report from Central Govt /NABL/ILAC accredited lab to prove conformity to specification	No	*
Test Report Number and Date	-	*
Name and Address of Test Lab	-	*
Certification	FCC,CE	*

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantilal Manilal Patel	385011,Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	7	30

Camera For CCTV System (18 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
CAMERA TYPE	Type of Camera Housing	DOME CAMERA	DOME CAMERA
	IP Camera	Yes	Yes
	PTZ Camera	No	No
IMAGE SENSOR	Image Sensor Type	CMOS	CMOS
	Image Sensor Size	0.34	1, 0.67, 0.5, 0.34, 0.357, 0.37, 0.4 Or higher
	Camera Image Sensing capacity (Picture Mode)	2MP	2MP

	Resolution	D1 (704 x 480 Pixel),HD (1280 x 720 Pixel),Full HD (1920 x 1080 Pixel),4K HD (3840 X 2160 Pixel)	D1 (704 x 480 Pixel), HD (1280 x 720 Pixel), Full HD (1920 x 1080 Pixel), 4K HD (3840 X 2160 Pixel)
	Day/Night Capable	Yes	Yes
	IR illumination Range(mtr)	30	30
OPTICS	Lens Type	Fixed	*
	Focal Length(mm)	3.6	3.6
	Iris Control	Yes	*
	Focus Mode	Auto,Zooming,One Push,Manual	*
VIDEO	Frame Rate (fps)	25,30	25, 30
	Video Compression	H.264,H.265,H.265+,MJPEG,MPEG4	*
	Video Streaming	Triple compressed stream	Triple compressed stream
PAN / TILT / ZOOM	Panning Range	NA	*
	Pan Speed (deg/sec)	NA	NA
	Tilt Range below horizontal (deg)	NA	*
	Tilt Range above horizontal (deg)	NA	*
	Tilt Speed (deg/sec)	NA	NA
	Optical Zoom	NA	NA
	Digital Zoom	10X	10X
AUDIO	Audio Support	Yes	Yes
	Audio Compression	G.726,G.722.1,G.711,A-Law,U-Law,MP2L2,AAC	*
	Audio Streaming	Two-Way	*
	Number of Audio Input Channel	1	*
	Number of Audio Output Channel	1	*
	External Microphone Support	Yes	*
ALARM	Alarm Support	No	No
	Number of Alarm Digital Input	NA	*
	Number of Alarm Relay Output	NA	*
	Pre/Post Alarm Buffer	No	*

SECURITY	Multi Level User ID/Password	Yes	*
	IP Address Filtering	Yes	*
	Encrypted Data Transmission	HTTPS (SSL/TSL)	*
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.5	0.5, 0.2, 0.1, 0.05, 0.01 Or lower
	Electronic Shutter Speed(sec)	1/50 to 1/10000	*
	WDR (Wide Dynamic Range)	120 dB	120 dB
	SNR (Signal to Noise Ratio)	50-60	50-60
	Auto Exposure	Auto Level Control,Electronic Level Control	*
FEATURES	White Balance (Indoor/Out door/Manual Selectable)	Yes	*
	Auto Gain Control (On/Off selectable)	Yes	*
	Back Light Compensation	Yes	*
	Remote Administration (Remote configuration and status using web based tool)	Yes	*
	Remote System Update Over Network	Yes	*
	PC Client (PC application client with a channel recording feature support)	Yes	*
	Web Client (Viewer through HTTP system configuration)	Yes	*
	On Screen Display in English	Yes	*
	ONVIF Support	Yes	*
	Presets	0	*
	Group Touring	0	*
	Privacy Zones	8	*
NETWORK AND INTERFACE	Supported Protocols	UDP,SNMP,IGMP,DHCP, RTP,RSTP,HTTP,SMTP,F	*

		TP,ICMP,HTTPS,DNS,DDNS,RTSP,RTCP,NTP,UPnP,QoS,TCP/IP	
	IP Support	Static,Dynamic	*
	Signal Processing	Digital Signal Process	*
	IPv6 ready	No	*
	Wireless	No	*
	Simultaneous Connections	5	*
STORAGE	On Board SD Card Support	No	*
	SD Card Memory(GB)	NA	*
HOUSING	Installation Type	Indoor,Outdoor	Indoor, Outdoor
	Material of the Housing construction	Alluminium	Alluminium
	Protection	IP 66	*
	Vandal Resistant Housing	No	*
	If Yes, IK rating	NA	*
	Mounting bracket	Ceiling Mounted	*
	Weight	900	*
	Dimensions (mm x mm x mm)	-	*
POWER SUPPLY	Power Input	12 V DC,PoE	*
	Power Consumption	30	*
	Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	Yes	*
OPERATING CONDITIONS	Operating Temperature Range	-10 to +50 deg C	*
	Relative Humidity Non Condensing (%)	90	*
WARRANTY / SERVICES	Warranty	2	2, 3, 4, 5 Or higher
	Time for Replacement of Defective Product During Warranty Period	24	12, 24 Or lower
	Supply of Compatible drivers and software included	Yes	*
ENVIRONMENTAL / CERTIFICATION	Availability of facility & infrastructure for	Yes	*

verification of all parameters, features, and capability with Seller		
Availability of facility to test signal to noise ratio of camera at 0-01 lux	Yes	*
Conformity to Dry Heat test at 55 degree C for 16 hours as per IS :9000 latest	Yes	*
Conformity to Damp heat at 40 degree C - 95% RH (cyclic test): two cycles of 16+8 hours as per IS: 9000 latest	Yes	*
Conformity to Cold test at -10 / -20 degree C for 4 hours as per IS: 9000 latest, as applicable	Yes	*
BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes	*
Availability of Type Test Report from Central Govt /NABL/ILAC accredited lab to prove conformity to specification	No	*
Test Report Number and Date	-	*
Name and Address of Test Lab	-	*
Certification	FCC,CE	*

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantil Manilal Patel	385011, Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	18	30

Layer 2 Access Switch (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type of Switch	UnManaged	UnManaged
	Technology	PoE+	PoE+
	Number of 1G Copper Ports	16	16
	Number of 10G Copper Ports	1	1
	No. of 1 G SFP Port (Uplink)	0	0
	No. of 10 G SFP+ Port (Uplink)	1	1
	Multi-Gigabit Support	Yes	Yes
	Redundant Power supply (from day one)	Available	Available
	Console Port	Available	*
	Switching Capacity -Non Blocking (Gbps)	100	*
	Throughput (MPPS)	100	*
	Operating System	available	*
	Dedicated Stacking Port/Slot (from day one)	Not available	*
	Stacking Bandwidth (Gbps)	0	*
	Basic Layer-3 Protocol	-	*
	Security Feature	-	*
	Management Protocol	-	*
	QoS	-	*
	Operating Temperature Range (Degree C)	-	*
	Operating Humidity (RH)(%)	-	*
IPv6 Ready from day one and dully certified	Yes	*	

PoE Power Budget (Watt)	4.25	*
on Site OEM Warranty	3	3

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantlal Manilal Patel	385011,Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	2	30

Layer 2 Access Switch (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Type of Switch	UnManaged	UnManaged
	Technology	Non PoE	Non PoE
	Number of 1G Copper Ports	8	8
	Number of 10G Copper Ports	0	0
	No. of 1 G SFP Port (Uplink)	0	0
	No. of 10 G SFP+ Port (Uplink)	0	0
	Multi-Gigabit Support	No	No
	Redundant Power supply (from day one)	Not available	Not available
	Console Port	Available	*
	Switching Capacity -Non Blocking (Gbps)	16	*
	Throughput (MPPS)	11.9	*
	Operating System	available	*

Dedicated Stacking Port/Slot (from day one)	Not available	*
Stacking Bandwidth (Gbps)	0	*
Basic Layer-3 Protocol	-	*
Security Feature	-	*
Management Protocol	-	*
QoS	-	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (RH)(%)	-	*
IPv6 Ready from day one and dully certified	Yes	*
PoE Power Budget (Watt)	0	*
on Site OEM Warranty	1	1

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantil Manilal Patel	385011,Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	1	30

Networking/Server Rack (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specifications	Type of Server Racks	Portable Racks	Portable Racks
	Size of Server Rack Enclosure	4U	4U
	Depth of the Rack (mm)	Upto 600	*

Mount Type	Wall mount	*
Front glass Door	Yes	*
Type of glass used in front door	Transparent Toughened Glass	*
Material used for rear door	SPCC Quality Cold Rolled Steel Metal	*
Both rear and front doors with Perforation	No	*
Side Panels With Key Locks and Slam Latch	Yes	*
Secure Locks	Available	*
Rear split door design	No	*
Keyboard Tray Sliding and Rotary	No	*
Shelf For CRT/TFT Display	Yes	*
Cable channel in rear side for cable management	Yes	*
Support cable entry from top or bottom	Yes	*
Vertical & Horizontal managers	Yes	*
Numbers of Rack trays	1	*
Number of Fan For Heat dissipation (nos)	1	*
Number of fan trays	0	*
Heavy Duty Caster Wheels	NA	*
If yes, then Front Break Options	NA	*
Load Bearing Capacity (Kgs)	15	*
If Wall mount racks then ,Swing-Out Racks	Not Available	*
Dust or water resistant	No	*
PDU Power Strips	Available	*
Weight (Kg)	3	*
Warranty (Years)	1	1

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantlal Manilal Patel	385011, Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	2	30

Line Intractive UPS With AVR (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Rating in KVA/ min VAH capacity of battery (KVA/VAH)	1.0/1200	1.0/1200
	Technology	MOSFET-PWM	MOSFET-PWM
	Type of battery	SMF-VRLA confirming to JISC-8702 Pt 1,2 &3	SMF-VRLA confirming to JISC-8702 Pt 1,2 &3
	Rated Output (Volt)	Single phase sinewave 230v AC , 50Hz	Single phase sinewave 230v AC , 50Hz
	Degree of protection	IP-21	IP-21
	Inverter Efficiency (%)	> / = 70%	> / = 70%
	Warranty for the battery from the date of delivery	3 Years	3 Years
	Warranty for Line Interactive UPS	5 Years	5 Years
	Installation and commissioning instructions	Yes	*
CONSTRUCTIONAL	Type of enclosure	Mild steel	*
	AC out put for printer (not through inverter)	Yes	Yes
	Inverter out put socket AC out put for printer (not through inverter)	3 Three pin	3 Three pin
FUNCTIONAL	Total harmonic distorsion (%)	< / = 40%	*
	Input (Volt)	Single phase sinewave(160-280v)	*

	Switching over time (Mili sec)	Maximum 10 milli seconds	*
	Overload Time (Minutes)	> / = 10 minutes	> / = 10 minutes
	Load power factor	> / = 0.6	> / = 0.6
	Variation in AVR output in AC mode (%) AVR (Voltage regulation) output voltage in AC Mode	230 Volts +/-9%, 50 +/-3 Hz	230 Volts +/-9%, 50 +/-3 Hz
	Overload (%)	>/=10%	*
	Variation in output voltage in battery mode (%) (UPS output voltage in battery mode)	230 Volts +/- 10%	*
	Variation on output frequency in battery mode (Hz)	</=0.5	*
PROTECTION	Protection against (over discharge) discharge per 12v battery (Volt)	10.5	*
	Protection for outside input voltage range: If Input voltage goes outside the range 160 to 280 Volts, the system shall switch over to battery mode	Yes	*
	Protection against short circuit of UPS	Yes	*
	Protection for over voltage and over load	Yes	*
REPORTS AND CERTIFICATIONS	Damp heat Test at 45 degree , RH -95% for 2-cycle as per IS:9000 pt-5/sec-1	Yes	*
	Dry heat Test at 45 degree for 16 Hrs as per IS:9000 pt-3/sec-5	Yes	*
	Cold Test as per IS:9000 pt-2/sec-4	Yes	*
	Availability of the type test report from central Govt./NABL/ILAC Accredited Lab	Yes	*
	Type Test certificate no. and date	-	*

Name Of Lab	-	*
Address of Lab	-	*
As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Not applicable presently	*

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantil Manilal Patel	385011, Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	2	30

Cables Suitable For CCTV System (Accessories) (2000 meter)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Cables suitable for CCTV System (Accessories)	Cable Classification	RG-6	RG-6
	Armoured	Yes	Yes

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantil Manilal Patel	385011, Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	2000	30

Laying & Installation Charges For Cables (with Or Without Conduit) Suitable For CCTV System(Accessor (1700 meter)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Laying & Installation Charges for Cables (with or without conduit) Suitable for CCTV System(Accessories)	Suitable Conduit Pipe	With	With
	Conduit material	PVC Pipe	PVC Pipe
	Laying location	Above Surface	Above Surface
	Depth of laying in case of under ground laying	30	30.0
	Number of Cables to be laid	Single Cable of any type	Single Cable of any type
	Agreed to STC of the Product	Yes	*

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantil Manilal Patel	385011,Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	1700	30

Installation & Commissioning Charges For CCTV Cameras (Accessories) (25 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Installation & Commissioning charges for CCTV Cameras (Accessories)	Type of Camera	IP Camera	IP Camera
	Shape of Camera Housing	Bullet	Dome, Box, Bullet, Assorted
	Installation Type	Outdoor	Indoor, Outdoor, Assorted
	Type of Mounting	Wall Mounted	Wall Mounted

	Number of Cameras to be installed	11 to 25	11 to 25
	Agreed to STC of the Product	Yes	*

* Bold specifications are the golden parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gunavantlal Manilal Patel	385011, Government Engineering College Palanpur At-Jagana, Palanpur-Ahmedabad Highway, Palanpur.	25	30

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Special terms and conditions for category Laying & Installation Charges for Cables (with or without conduit) Suitable for CCTV System(Accessor

1) In addition to General Terms and Conditions of the GeM following Special T&C shall be applicable for Laying & Installation charges for Cables (with or without conduit) suitable for CCTV System:

Special terms and conditions for category Installation & Commissioning charges for CCTV Cameras (Accessories)

1) In addition to General Terms and Conditions of the GeM following Special T&C shall be applicable for Installation & Commissioning charges for CCTV Cameras:

Buyer Specific Additional Terms and Conditions

1. Availability of Service Centres: Bidder/OEM must have a Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty).
2. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
3. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
4. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

5. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---