

### Bid Document

Bid Details	
<b>Bid End Date/Time</b>	28-05-2021 15:00:00
<b>Bid Opening Date/Time</b>	28-05-2021 15:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	60 (Days)
<b>Ministry/State Name</b>	Ministry Of Information And Broadcasting
<b>Department Name</b>	Na
<b>Organisation Name</b>	Film And Television Institute Of India (ftii)
<b>Office Name</b>	Pune
<b>Total Quantity</b>	20138
<b>Item Category</b>	Video Recorder For Cctv System-IS 9000 , Camera for CCTV System , Line Intractive UPS with AVR , Professional Large Format Display , Small form-factor pluggable transceiver , Layer 2 Access Switch , Hard disk drives , Cables suitable for CCTV System (Accessories) , CAT 6 Cable for Outdoor , Power cable for direct burial xlpe ugac cable for DMRC , Networking/Server Rack , Fiber Optic Patch Panels, Rack Mountable , PLB-HDPE Duct for UG armoured Optical Fibre Cable , CAT 6 Patch Panel , Cat 6 Patch cord , Laying & Installation Charges for Cables (with or without conduit) Suitable for CCTV System(Accessor , Steel Tubes For Structural Purposes-IS:1161 , Desktop Computers , Installation & Commissioning charges for CCTV Cameras (Accessories)
<b>Minimum Average Annual Turnover of the Bidder</b>	60 Lakh (s)
<b>Years of Past Experience required</b>	2 Year (s)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Document required from seller</b>	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
<b>Bid to RA enabled</b>	No
<b>Primary product category</b>	Installation & Commissioning charges for CCTV Cameras (Accessories)
<b>Time allowed for Technical Clarifications during technical evaluation</b>	7 Days

<b>Bid Details</b>	
<b>Estimated Bid Value</b>	14913863
<b>Evaluation Method</b>	Total value wise evaluation

**EMD Detail**

Required	No
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**ePBG Detail**

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	14

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

Accounts Officer

Film and Television Institute of India Law College Road, Erandwane Pune, Maharashtra 411004 Phone-(020) 2558 0028/29 Ministry of Information and Broadcasting  
(Accounts Officer,ftii)

**Splitting**

Bid splitting not applied.

**MII Purchase Preference**

MII Purchase Preference	Yes
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**MSE Purchase Preference**

MSE Purchase Preference	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum

local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

5. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

## Video Recorder For Cctv System-IS 9000 ( 4 pieces )

**(Minimum 0% Local content required for MII compliance)**

Brand Type	Registered Brand
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### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
VIDEO	<b>Number of Video Input Channels</b>	64
	<b>Number of Non-IP based Video input Channels for HVR</b>	NA
	<b>Number of IP based Video input Channels for HVR</b>	NA
	<b>Number of Video Output Channels</b>	64
	<b>Recording Resolution</b>	4K (3840 × 2160)
	Supported Compression Technique	H.264, H.265, MPEG-4, MJPEG, H.265+, H.264+
	Maximum Number of cameras to be viewed on a single display	64
	Total number of simultaneous local views	4

Specification	Specification Name	Bid Requirement (Allowed Values)
	Simultaneous Monitoring Connections for All Cameras (Users in Local Network for Client Connection)	16
	Recording Speed for all channels (fps)	25
	Minimum Through put (Mbps)	256
TYPE	<b>Type of Recording Device</b>	NVR
	<b>IP Camera Support</b>	Yes
	<b>PTZ Camera control Support</b>	Yes
	<b>Housing construction</b>	Alluminium
	Mounting	Wall Mounted
	Rack Mount configuration	NA
AUDIO	Audio Input	16
	Audio Output	4
	Audio Compression	G.726
	Minimum Number of Simultaneous Channels for Two-way Audio Support	NA
SECURITY	Type of Encryption	HTTPS (SSL/TSL), HTTP (SSL/TSL), WPA, WPA2, TKIP
ALARM	Alarm Support	Yes
	Alarm Input	1
	Alarm Output	1
	Video Content Analytics (VCA)	Crossing line, Digital Zoom 12X and more, Face Recognition, Intrusion Detection, Motion Detection, Number Plate Recognition, Object counting, Object Removal, Tampering, Text-IN, Trip-wire Detection, Video Loss
NETWORK PROTOCOLS / INTERFACE / OPERATING SYSTEM	Operating System Supported	Windows, MAC, Linux
	Supported Network Protocols	UDP, SNMP, IGMP, DHCP, RTP, RSTP, HTTP, HTTPS, DNS, DDNS, RTSP, RTCP, NTP, UPnP, SMTP, FTP, ICMP, QoS, TCP/IP, NA (for DVR)
	Supported Interface	Ethernet, Wifi, HDMI, VGA, CVBS, Bluetooth, USB, RS 232, RS-422, RS-485
	Physical Layer of Ethernet	10/100/1000 Base TX, NA, 10/100 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	4

Specification	Specification Name	Bid Requirement (Allowed Values)
	Number of Serial Ports	0
	Number of PoE Ports	16
	Supported SIM Slot	NA
	Number of SIM Slots	0
FEATURES	Video Loop Support	Yes
	Video Recorder supports recording on NAS Directly	Yes
	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
	Recording schedule support	Yes
	Camera Notification	E-mail, Spot (POP up Window) on Event
	Network transmission Speed	Real time display @ D1 resolution
PLAYBACK / VIEW / MANAGEMENT	Search	Date, Time, Event, Log, Motion, Bookmarks
	Bookmarks	Forward, Backward, adjustable playback speed, Full Screen, Next Camera, Previous Camera, Repeat
	Page preview	Electronic Map on two separate monitors, Multi Monitor Support, Video Window
	Total Management	Delete, Group add, 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)	8
	Storage Capacity of each Hard Disk (TB)	8
	Total Storage Capacity(TB)	64
	Internal Storage Expandable upto (TB)	64
	Number of Hard Disks supported	8
	Redundancy Option	RAID 5
POWER SUPPLY	Power Input	230 ± 10%, 50Hz, 12 V DC, 24 V DC

Specification	Specification Name	Bid Requirement (Allowed Values)
	Suitable Adapter to be Supplied to Make the Equipment Work on 230 V $\pm$ 10 %, 50 Hz	Yes
OPERATING CONDITIONS	Minimum Operating Temperature	-10.0
	Relative Humidity Non Condensing at 40 deg C	95.0
WARRANTY / SERVICES	<b>Warranty</b>	2.0
	<b>Time for Replacement of Defective Product During Warranty Period</b>	96.0
ENVIRONMENTAL / CERTIFICATION	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 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	Yes

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	4	15

#### Camera For CCTV System ( 4 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

\* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	<b>Image Sensor Type</b>	CMOS

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Image Sensor Size</b>	1, 0.67, 0.5, 0.555, 0.526, 0.588, 0.544 Or higher
	<b>Camera Image Sensing capacity (Picture Mode)</b>	4MP
	<b>Resolution</b>	4K HD (3840 X 2160 Pixel), D1 (704 x 480 Pixel), Full HD (1920 x 1080 Pixel), HD (1280 x 720 Pixel)
	<b>Day/Night Capable</b>	Yes
	<b>IR illumination Range(mtr)</b>	100
CAMERA TYPE	<b>Type of Camera Housing</b>	DOME CAMERA
	<b>IP Camera</b>	Yes
	<b>PTZ Camera</b>	Yes
OPTICS	Lens Type	Varifocal
	<b>Focal Length(mm)</b>	6 - 22, 6-22
	Iris Control	Yes
	Focus Mode	Auto, Zooming
VIDEO	<b>Frame Rate (fps)</b>	25, 30, 50, 60
	Video Compression	H.264, H.265+, MJPEG, MPEG4
	<b>Video Streaming</b>	Dual compressed stream
PAN / TILT / ZOOM	<b>Pan Speed (deg/sec)</b>	240
	Tilt Range below horizontal (deg)	0-90
	Tilt Range above horizontal (deg)	0-5
	<b>Tilt Speed (deg/sec)</b>	90
	<b>Optical Zoom</b>	30X
	<b>Digital Zoom</b>	16X
AUDIO	<b>Audio Support</b>	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	<b>Alarm Support</b>	Yes
	Number of Alarm Digital Input	2
	Number of Alarm Relay Output	2
	Pre/Post Alarm Buffer	Yes
SECURITY	IP Address Filtering	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
PERFORMANCE	<b>Minimum Illumination for Capturing Color Image</b>	0.6, 0.5, 0.2, 0.1, 0.05, 0.01, 0.005, 0.008, 0.002, 0.001, 0.03, 0.02, 0.011 Or lower
	Electronic Shutter Speed(sec)	1/25 to 1/50000
	<b>WDR (Wide Dynamic Range)</b>	80 dB
	<b>SNR (Signal to Noise Ratio)</b>	60-70
	Auto Exposure	Auto Level Control, Electronic Level Control
FEATURES	ONVIF Support	Yes
	Privacy Zones	20
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
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	128
HOUSING	<b>Installation Type</b>	Indoor, Outdoor
	<b>Material of the Housing construction</b>	Alluminium
	Protection	IP 66
	Vandal Resistant Housing	Yes
	Mounting bracket	Pole Mounted
POWER SUPPLY	Power Input	24 V DC, 12 V DC, PoE
OPERATING CONDITIONS	Operating Temperature Range	-20 to +50 deg C
WARRANTY / SERVICES	<b>Warranty</b>	3, 4, 5 Or higher
	<b>Time for Replacement of Defective Product During Warranty Period</b>	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



Specification	Specification Name	Bid Requirement (Allowed Values)
	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	Yes
	Certification	FCC, CE, UL

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	4	15

#### Camera For CCTV System ( 112 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	<b>Image Sensor Type</b>	CMOS
	<b>Image Sensor Size</b>	1, 0.67, 0.5, 0.37, 0.4, 0.555, 0.526, 0.588, 0.544 Or higher
	<b>Camera Image Sensing capacity (Picture Mode)</b>	5MP
	<b>Resolution</b>	HD (1280 x 720 Pixel), 1080P ( 1920 x 1080 ), 720P ( 1280 x 720 ), 1280x 960, 800x 600, 2688x 1520, 2048x 1536, 640x 360, 640x 480
	<b>Day/Night Capable</b>	Yes
	<b>IR illumination Range(mtr)</b>	30

Specification	Specification Name	Bid Requirement (Allowed Values)
CAMERA TYPE	<b>Type of Camera Housing</b>	DOME CAMERA
	<b>IP Camera</b>	Yes
	<b>PTZ Camera</b>	No
OPTICS	Lens Type	Varifocal
	<b>Focal Length(mm)</b>	2.8 - 12
	Iris Control	Yes
	Focus Mode	Auto
VIDEO	<b>Frame Rate (fps)</b>	30
	Video Compression	H.264, H.265+, MJPEG
	<b>Video Streaming</b>	Triple compressed stream
PAN / TILT / ZOOM	<b>Pan Speed (deg/sec)</b>	NA
	Tilt Range below horizontal (deg)	NA
	Tilt Range above horizontal (deg)	NA
	<b>Tilt Speed (deg/sec)</b>	NA
	<b>Optical Zoom</b>	NA
	<b>Digital Zoom</b>	NA
AUDIO	<b>Audio Support</b>	Yes, No
	Audio Compression	NA
	Audio Streaming	NA
	Number of Audio Input Channel	NA
	Number of Audio Output Channel	NA
ALARM	<b>Alarm Support</b>	Yes, No
	Number of Alarm Digital Input	NA
	Number of Alarm Relay Output	NA
SECURITY	IP Address Filtering	Yes
PERFORMANCE	<b>Minimum Illumination for Capturing Color Image</b>	0.01, 0.005, 0.008, 0.002, 0.001, 0.03, 0.02, 0.011 Or lower
	Electronic Shutter Speed(sec)	1 to 1/30,000
	<b>WDR (Wide Dynamic Range)</b>	120 dB
	<b>SNR (Signal to Noise Ratio)</b>	50-60
	Auto Exposure	Auto Level Control
FEATURES	ONVIF Support	( Profile S and G )
	Privacy Zones	4

Specification	Specification Name	Bid Requirement (Allowed Values)
NETWORK AND INTERFACE	Supported Protocols	UDP, SNMP, IGMP, DHCP, RTP, RSTP, HTTP, SMTP, ICMP, HTTPS, DNS, DDNS, RTSP, RTCP, NTP, UPnP, QoS, TCP/IP, PPPoE, 802.1X, IPv4, IPv6, IEEE 802.1x, SSH
	IP Support	Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	128
HOUSING	<b>Installation Type</b>	Indoor, Outdoor
	<b>Material of the Housing construction</b>	Alluminium
	Protection	IP 66
	Vandal Resistant Housing	Yes
	Mounting bracket	Wall Mounted
POWER SUPPLY	Power Input	12 V DC, PoE
OPERATING CONDITIONS	Operating Temperature Range	-10 to +60 deg C
WARRANTY / SERVICES	<b>Warranty</b>	3, 4, 5 Or higher
	<b>Time for Replacement of Defective Product During Warranty Period</b>	12, 24, 36, 48, 72 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
	Certification	FCC, UL, BIS, 62368-1, EN55032 Class A, EN50130-4, EN60950-1, UL60950-1

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	112	15

**Line Interactive UPS With AVR ( 20 pieces )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Registered Brand
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	<b>Rating in KVA/ min VAH capacity of battery (KVA/VAH)</b>	1.0/216
	<b>Technology</b>	MOSFET-PWM
	<b>Type of battery</b>	SMF-VRLA confirming to JISC-8702 Pt 1,2 &3
	<b>Rated Output (Volt)</b>	Single phase sinewave 230v AC , 50Hz
	<b>Degree of protection</b>	IP 20
	<b>Inverter Efficiency (%)</b>	> / = 90%
	<b>Warranty for the battery from the date of delivery</b>	3 Years
	<b>Warranty for Line Interactive UPS</b>	3 Years
	Installation and commissioning instructions	No
CONSTRUCTIONAL	Type of enclosure	Mild steel
	<b>AC out put for printer (not through inverter)</b>	Yes
	<b>Inverter out put socket AC out put for printer (not through inverter)</b>	4 Three pin
FUNCTIONAL	Input (Volt)	Single phase sinewave(160-280v)
	<b>Overload Time (Minutes)</b>	> / = 10 minutes
	<b>Load power factor</b>	> / = 0.8

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Variation in AVR output in AC mode (%) AVR (Voltage regulation) output voltage in AC Mode</b>	230 Volts +/-15%, 50 +/-3 Hz
REPORTS AND CERTIFICATIONS	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	20	15

#### Professional Large Format Display ( 3 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Ungrouped	<b>Technology</b>	LED Backlit
	<b>Screen Size (Diagonal) Minimum (cm)</b>	138, 164, 175, 189, 216, 247, 152, 203, 228, 304, 254, 139 Or higher
	<b>Screen Type</b>	Non Touch
	Panel Technology	Vertical Alignment (VA)
	Orientation	Landscape
	<b>Native Resolution (Pixels)</b>	3840 x 2160 (UHD)
	<b>Aspect Ratio</b>	16:9
	<b>Brightness (Nits) Minimum</b>	300, 350, 400, 450, 500, 600, 700, 1000, 1500, 2500, 3000, 4000, 550 Or higher
	Native Contrast Ratio (Minimum)	40001
	Arrangement of Speakers	Inbuilt
	RS 232C Port	Available
	RJ 45	Available

Specification	Specification Name	Bid Requirement (Allowed Values)
	In built Sinage Software	Not Available
	<b>Duty Cycle</b>	16 x 7
	BIS Registration under CRS of Meity	Yes
	ROHS Compliance	Yes
	<b>On Site OEM Warranty (Year)</b>	3

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	3	15

#### Small Form-factor Pluggable Transceiver ( 18 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	<b>Type of Transceiver</b>	SFP+
	SFP Mode	Single
	Compatibility with OEMs Products	allasieeestandard
	Wavelength(nm)	1310
	Fibre Cable Type	singlemode
	Core Size (Micron)	9
	Maximum Data Rate	1000
	Modal Bandwidth (MHz/Km)	10
	Max.Cable Distance	10000
	Optical Component (nm)	1310
	Digital Optical Monitoring (DOM) Support	Yes
	Interface	lc

Specification	Specification Name	Bid Requirement (Allowed Values)
	Tx Power (dBm)	-9.5
	Receiver Sensitivity (dBm)	-19
	<b>On Site OEM Warranty (Year)</b>	3

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	18	15

#### Layer 2 Access Switch ( 9 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	<b>Type of Switch</b>	Managed
	<b>Technology</b>	Non PoE
	<b>Number of 1G Copper Ports</b>	24
	<b>Number of 10G Copper Ports</b>	0
	<b>No. of 1 G SFP Port (Uplink)</b>	2
	<b>No. of 10 G SFP+ Port (Uplink)</b>	0
	<b>Multi-Gigabit Support</b>	No
	<b>Redundant Power supply ( from day one)</b>	Not available
	Switching Capacity -Non Blocking (Gbps)	52
	Throughput (MPPS)	More than 38.68 Or higher
	Dedicated Stacking Port/Slot ( from day one)	Not available
	Stacking Bandwidth (Gbps)	More than 0.0 Or higher
	PoE Power Budget ( Watt )	0

Specification	Specification Name	Bid Requirement (Allowed Values)
	on Site OEM Warranty	5

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	9	15

#### Layer 2 Access Switch ( 1 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

\* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	Managed
	Technology	PoE+
	Number of 1G Copper Ports	24
	Number of 10G Copper Ports	0
	No. of 1 G SFP Port (Uplink)	4
	No. of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	Yes
	Redundant Power supply (from day one)	Not available
	Switching Capacity -Non Blocking (Gbps)	56
	Throughput (MPPS)	More than 41.7 Or higher
	Dedicated Stacking Port/Slot (from day one)	Not available
	Stacking Bandwidth (Gbps)	More than 0.0 Or higher
	PoE Power Budget ( Watt )	190
	on Site OEM Warranty	5



**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	1	15

**Layer 2 Access Switch ( 3 pieces )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Registered Brand
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**Technical Specifications**\* As per GeM Category Specification

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	<b>Type of Switch</b>	Managed
	<b>Technology</b>	Non PoE
	<b>Number of 1G Copper Ports</b>	16
	<b>Number of 10G Copper Ports</b>	0
	<b>No. of 1 G SFP Port (Uplink)</b>	2
	<b>No. of 10 G SFP+ Port (Uplink)</b>	0
	<b>Multi-Gigabit Support</b>	No
	<b>Redundant Power supply ( from day one)</b>	Not available
	Switching Capacity -Non Blocking (Gbps)	36
	Throughput (MPPS)	More than 26.74 Or higher
	Dedicated Stacking Port/Slot ( from day one)	Not available
	Stacking Bandwidth (Gbps)	More than 0.0 Or higher
	PoE Power Budget ( Watt )	0
	<b>on Site OEM Warranty</b>	5

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	3	15

### Layer 2 Access Switch ( 4 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	<b>Type of Switch</b>	Managed
	<b>Technology</b>	PoE+
	<b>Number of 1G Copper Ports</b>	8
	<b>Number of 10G Copper Ports</b>	0
	<b>No. of 1 G SFP Port (Uplink)</b>	2
	<b>No. of 10 G SFP+ Port (Uplink)</b>	0
	<b>Multi-Gigabit Support</b>	No
	<b>Redundant Power supply ( from day one)</b>	Not available
	Switching Capacity -Non Blocking (Gbps)	20
	Throughput (MPPS)	More than 14.9 Or higher
	Dedicated Stacking Port/Slot ( from day one)	Not available
	Stacking Bandwidth (Gbps)	More than 0.0 Or higher
	PoE Power Budget ( Watt )	55
	<b>on Site OEM Warranty</b>	5

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	4	15

## Hard Disk Drives ( 26 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Capacity of Drive (GB)	8000
	Type of Drive	SAS
	Interface Type	SATA
	Performance (Sequential write) (Mb/p)	138
	Warranty (Years)	3

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	26	15

## Cables Suitable For CCTV System (Accessories) ( 3500 meter )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Cables suitable for CCTV System (Accessories)	Cable Classification	12 Core Single Mode Fibre Optic cable
	Armoured	Yes

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	3500	15

### CAT 6 Cable For Outdoor ( 8400 meter )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
CONSTRUCTIONAL	Inner jacket material	LSZH
	Storage temperature range	-20 deg.C to +70 deg. C
	Operating temperature range	-20 deg.C to +70 deg. C
Generic	Cable category	CAT6 UTP - Outer Jacket HDPE with UV resistant
	Conductor diameter	0.57 mm (23 AWG)
	Length of cable in a bundle (Mtrs)	305 mtrs
CERTIFICATIONS	UL Marking on Cable	No

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	8400	15

### Power Cable For Direct Burial Xlpe Ugac Cable For DMRC ( 500 meter )

(Minimum 0% Local content required for MII compliance)

Brand Type	Unbranded
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Technical features	Cable Size(sq-mm)	10

Specification	Specification Name	Bid Requirement (Allowed Values)
Performance parameter	<b>Voltage grade (Uo/U)</b>	33.0
	Minimum short circuit current (Kilo ampere) for conductor for 3 second	14
	<b>Minimum short circuit current (Kilo ampere) for metallic screen for 3 second</b>	14 kA
Constructions	<b>Self life</b>	30.0
	Insulation envelop screen thickness	NA
	Conductor material	Aluminium
	Armour type	Double layer of Aluminium Tape
	Special Features	Fire retardant low smoke zero halogen
Standards	Conformity to specification	IEC 60228

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	500	15

#### Networking/Server Rack ( 12 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Bid Requirement (Allowed Values)
Specifications	<b>Type of Server Racks</b>	Rack Enclosures
	<b>Size of Server Rack Enclosure</b>	6U
	Depth of the Rack (mm)	Upto 600
	Front glass Door	Yes
	<b>Warranty (Years)</b>	1

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	12	15

**Networking/Server Rack ( 1 pieces )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Registered Brand
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specifications	<b>Type of Server Racks</b>	Rack Enclosures
	<b>Size of Server Rack Enclosure</b>	18U
	Depth of the Rack (mm)	Upto 1000
	Front glass Door	Yes
	<b>Warranty (Years)</b>	1

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	1	15

**Fiber Optic Patch Panels, Rack Mountable ( 17 pieces )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Unbranded
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
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Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Type of Connector for which optic fiber panel is compatible	LC
	Fiber Optic Panels Compatible for	Single Mode, Duplex
	No. of ports (in Nos.)	12

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	17	15

**Fiber Optic Patch Panels, Rack Mountable ( 1 pieces )**

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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**Technical Specifications**

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Type of Connector for which optic fiber panel is compatible	SC
	Fiber Optic Panels Compatible for	Single Mode, Duplex
	No. of ports (in Nos.)	24

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	1	15

**PLB-HDPE Duct For UG Armoured Optical Fibre Cable ( 3500 meter )**

(Minimum 0% Local content required for MII compliance)

Brand Type	Unbranded
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### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	<b>Colour of the duct</b>	Bright green
	<b>Outside diameter</b>	"40.0 mm (Tolerance + 0.4 mm - 0.0 mm)
	<b>Wall thickness</b>	3.50 mm (Tolerance + 0.20 mm)
	<b>Additional quantity of end plug for each coil</b>	2
	<b>Additional quantity of cable sealing plug for each coil</b>	2
	<b>Additional quantity of end cap for each coil</b>	2
	<b>Additional quantity of Duct cutter for each lot lot</b>	1
	<b>Additional quantity of C spanner for each lot lot</b>	1
	<b>Additional quantity of chamfering tool for each lot lot</b>	1
	<b>Optional: Pre-installed rope for the above standard length duct</b>	"polypropylene, 4 mm in diameter and conform to IS: 5175, with a minimum slackness of 2%.
CERTIFICATION	<b>Availability of Test Report from Central Govt. LAB / NABL/ ILAC accredited or Central Government Lab to prove conformity of products to the specification</b>	Yes
	<b>Test reports to be furnished to buyer on demand, if claimed to be available Hint- Not applicable if Test Report is not available</b>	Yes

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	3500	15



**CAT 6 Patch Panel ( 1 pieces )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Unbranded
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
CONSTRUCTIONAL	<b>Material of patch panel</b>	Cold rolled steel
	<b>Modular plug fitting (RJ 45)</b>	Individual ports for unloaded
	<b>Dust protection for information outlet</b>	Yes
GENERIC	<b>Patch panel suitability for (Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair)</b>	CAT 6 U/UTP
	<b>Height of patch panel</b>	2 U
	<b>No. of ports (RJ 45)</b>	24 Ports Loaded
	<b>Cable Management (Rear side)</b>	With out

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	1	15

**Cat 6 Patch Cord ( 207 meter )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Unbranded
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
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Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	<b>Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshielded twisted pair</b>	CAT6 U/UTP
	<b>Patch cord colour</b>	Blue
	<b>Length of Patch cord (Mtrs)</b>	1.0
CONSTRUCTIONAL	Termination type / Connection type	Insulation Piercing Connection (IPC)
	<b>Cable jacket material</b>	Low Smoke zero halogen (LSZH)
	<b>Storage temperature range</b>	-20 deg.C to +70 deg.C
	<b>Operating temperature range</b>	-20 deg.C to +70 deg.C
CERTIFICATIONS	<b>UL Marking on Cable</b>	No

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	207	15

#### Laying & Installation Charges For Cables (with Or Without Conduit) Suitable For CCTV System(Accessor ( 3500 meter )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

\* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Laying & Installation Charges for Cables (with or without conduit) Suitable for CCTV System(Accessories)	<b>Suitable Conduit Pipe</b>	Without
	<b>Conduit material</b>	HDPE Pipe
	<b>Laying location</b>	Under Ground
	<b>Depth of laying in case of under ground laying</b>	90.0
	<b>Number of Cables to be laid</b>	Single Cable of any type

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	3500	15

**Steel Tubes For Structural Purposes-IS:1161 ( 4 meter )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Unbranded
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
ITEM	Class of Tube	Medium
	Construction	Round
SPECIFICATION	Conformity to specification	IS 1161:latest
	ISI Marked	Yes
MANUFACTURING	Manufacturing process	Electric resistance welded(ERW) or High frequency induction welded(HRIW)
DIMENSION	Nominal Bore for Round tube(mm)	65
	Length (in metre)	6

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	4	15

**Desktop Computers ( 1 pieces )****(Minimum 0% Local content required for MII compliance)**

Brand Type	Registered Brand
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Motherboard	<b>Chipset Series</b>	Intel H Series, Intel B Series, Intel Q Series Or higher
	<b>Chipset Number</b>	Intel Q 250, Intel Q 270, Intel Q 370, Intel B 365 Or higher
	Expansion Slots (PCIe x 16) (Number)	1, 2, 3 Or higher
Processor	<b>Processor Make</b>	Intel
	<b>Processor Generation</b>	9.0 Or higher
	<b>Number of Cores per Processor</b>	6, 8, 10, 12 Or higher
	Processor Base Frequency (GHz)	3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4, 4.1, 4.2, 4.3 Or higher
	<b>Processor Description</b>	Intel Core i5, Intel Core i7, Intel Core i9 Or higher
	<b>Processor Number</b>	Intel Core i5 8600, Intel Core i5 8600K, Intel Core i7 8700T, Intel Core i7 7700K, Intel Core i7 8700, Intel Core i7 8700K, Intel Core i5 9500, Intel Core i5 9600, Intel Core i7 9700, Intel Core i9 9900, Intel Core i7 9700K, Intel Core i9 9900K, Intel Core i9 9900KS, Intel Core i9 9900KF, Intel Core i7 9700KF, Intel Core i7 9700F, Intel Core i7 8086K, Intel Core i5 9600K, Intel Core i5 9600KF Or higher
	Out of Band Management	Intel vPro, AMD DASH, NA Or higher
	Cache (MB)	9.0 - 96.0 Or higher
Graphics	Graphics Type	Integrated
	Size of Memory in Case of Dedicated Graphic Card (GB)	0, 1, 2, 3, 4, 6, 8 Or higher
Operating System	<b>Operating System (Factory Pre-Loaded)</b>	Windows 10 Professional
Memory	<b>RAM Size (GB)</b>	8, 16, 32, 64, 128 Or higher
	<b>RAM Expandability up to( using spare DIMM Slots in GB)</b>	64, 128 Or higher
Storage	<b>Type of Drives used to populate the Internal Bays</b>	HDD
	<b>Total HDD Capacity (GB)</b>	1000, 1500, 2000, 2500, 3000, 4000 Or higher
	<b>Total SSD Capacity (GB)</b>	128, 256, 384, 512, 768, 0, 1024, 2048, 4096 Or higher
	<b>Total SSHD Capacity in addition to 8 GB Flash (GB)</b>	500, 1000, 2000, 0 Or higher
	Optane Memory (GB)	8, 16, 32, 0, 64 Or higher
Cabinet	<b>Cabinet Form Factor</b>	SFF ( 7 to 13 Litres)
	Optical Drive	DVD R/W
Monitor	<b>Monitor Technology</b>	IPS Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>LED Backlit Monitor Size (INCHES)</b>	19.5, 21.5, 22, 23, 24, 27, 20, 23.8, 32 Or higher
	<b>Monitor Resolution (PIXELS)</b>	1440 x 900, 1600 x 900, 1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 1280 x 1024, 2560 x 1440 Or higher
	If Yes, Resolution of Webcam	HD, FHD, NA Or higher
	If Yes, Number of Speakers available	0, 1, 2 Or higher
Input Devices	Mouse Connectivity	Wired, Wireless Or higher
	Keyboard Connectivity	Wired, Wireless Or higher
Warranty	<b>On Site OEM Warranty (Year)</b>	3, 5, 4 Or higher

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	1	15

#### Installation & Commissioning Charges For CCTV Cameras (Accessories) ( 203 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Installation & Commissioning charges for CCTV Cameras (Accessories)	<b>Type of Camera</b>	IP Camera
	<b>Shape of Camera Housing</b>	Bullet
	<b>Installation Type</b>	Assorted
	<b>Type of Mounting</b>	Wall Mounted
	<b>Number of Cameras to be installed</b>	Upto 10

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	203	15

### Camera For CCTV System ( 87 pieces )

(Minimum 0% Local content required for MII compliance)

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	<b>Image Sensor Type</b>	CMOS
	<b>Image Sensor Size</b>	1, 0.67, 0.5, 0.37, 0.4, 0.555, 0.526, 0.588, 0.544 Or higher
	<b>Camera Image Sensing capacity (Picture Mode)</b>	5MP
	<b>Resolution</b>	5MP(2592×1944)
	<b>Day/Night Capable</b>	Yes
	<b>IR illumination Range(mtr)</b>	50
CAMERA TYPE	<b>Type of Camera Housing</b>	BULLET CAMERA
	<b>IP Camera</b>	Yes
	<b>PTZ Camera</b>	No
OPTICS	Lens Type	Varifocal
	<b>Focal Length(mm)</b>	2.8 - 12, 2.8
	Iris Control	Yes
	Focus Mode	Auto
VIDEO	<b>Frame Rate (fps)</b>	30
	Video Compression	H.264, H.265+, MJPEG
	<b>Video Streaming</b>	Triple compressed stream
PAN / TILT / ZOOM	<b>Pan Speed (deg/sec)</b>	NA
	Tilt Range below horizontal (deg)	NA
	Tilt Range above horizontal (deg)	NA
	<b>Tilt Speed (deg/sec)</b>	NA
	<b>Optical Zoom</b>	NA
	<b>Digital Zoom</b>	NA
AUDIO	<b>Audio Support</b>	Yes, No

Specification	Specification Name	Bid Requirement (Allowed Values)
	Audio Compression	NA
	Audio Streaming	NA
	Number of Audio Input Channel	NA
	Number of Audio Output Channel	NA
ALARM	<b>Alarm Support</b>	Yes, No
	Number of Alarm Digital Input	NA
	Number of Alarm Relay Output	NA
SECURITY	IP Address Filtering	Yes
PERFORMANCE	<b>Minimum Illumination for Capturing Color Image</b>	0.01, 0.005, 0.008, 0.002, 0.001, 0.03, 0.02, 0.011 Or lower
	Electronic Shutter Speed(sec)	1 to 1/30,000
	<b>WDR (Wide Dynamic Range)</b>	120 dB
	<b>SNR (Signal to Noise Ratio)</b>	50-60
	Auto Exposure	Auto Level Control
FEATURES	ONVIF Support	( Profile S and G )
	Privacy Zones	4
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, PPPoE, Multicast, 802.1X, IPv4, IPv6, ARP, PEAP, SSH, CIFS
	IP Support	Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	256
HOUSING	<b>Installation Type</b>	Indoor, Outdoor
	<b>Material of the Housing construction</b>	Alluminium
	Protection	IP 66
	Vandal Resistant Housing	Yes
	Mounting bracket	Wall Mounted
POWER SUPPLY	Power Input	12 V DC, PoE
OPERATING CONDITIONS	Operating Temperature Range	- 30 to +60 deg C
WARRANTY / SERVICES	<b>Warranty</b>	3, 4, 5 Or higher
	<b>Time for Replacement of Defective Product During Warranty Period</b>	12, 24, 36, 48, 72 Or lower
	Supply of Compatible drivers and software included	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
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
	Certification	FCC, UL, 62368-1, EN55032 Class A, EN50130-4, ICES-003/NMB-003 Class A

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Archana Anant Dharmadhikari	411004, Law College Road	87	15

#### Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	Additional Scope of Work <a href="#">View</a>	The scope of work includes Installation, digging 2 feet Soil (Hard + Soil), Cable route to marked at appropriately distance, Laying of OFC & HDPE and site preparation of the above items and ancillaries in an Integrated Surveillance System at Master Control Room At Two Different Locations	Camera For CCTV System(112)

**The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.**



**Special terms and conditions-Version:1 effective from 08-04-2021 for category Line Interactive UPS with AVR**

1.

**Special terms and conditions-Version:1 effective from 09-04-2021 for category Small form-factor pluggable transceiver**

1.

**Special terms and conditions-Version:1 effective from 16-04-2021 for category Networking/Server Rack**

1.

**Special terms and conditions-Version:1 effective from 04-05-2020 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:
  1. Inclusive in the Scope of laying & installation:
    1. Supply of Conduit and Laying of Conduit with necessary fittings such as bends, joints, reducers, Tees etc., wherever required.
    2. All necessary accessories such as conduit pipe fittings, mounting clips etc., for proper laying and installation of Conduit, wherever required.
    3. Supply of suitable Connectors required for connecting the cable with Camera / DVR / NVR / HVR / SFP module / PoE Switch etc.
    4. Proper dressing of Cable ends, Pre-forming of connecting cables (end termination) and Fixing suitable connectors.
    5. Digging of trench for underground laying and properly closing the trench after completion of laying work, wherever required.
    6. The trench for underground laying, wherever applicable, may be upto 30 cm (1 foot) wide and depth as specified in the contract. seller may use horizontal boring machine if required.
    7. Cutting / Chiselling of grooves in the walls for concealed laying in walls and Cementing & finishing of the grooved portion after completion of laying work, wherever required.
  2. Not - inclusive in the Scope of laying & installation:
    1. Obtaining necessary approvals / permissions from the concerned Authorities, if any, for Digging trenches, Cutting / Chiselling of grooves in the walls, wherever required.
  3. Buyer's obligations:
    1. Obtaining necessary approvals / permissions from the concerned Authorities, if any, for Digging trenches, Cutting / Chiselling of grooves in the walls, wherever required.
    2. Buyer / Consignee shall provide power point for drilling holes, cutting grooves, etc., for indoor laying & installation of cables.

**Special terms and conditions-Version:2 effective from 09-04-2021 for category Desktop Computers**

1. *'Local content means the amount of value added in India which shall, unless otherwise Prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value and percent.*

*'Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50% as defined under this Order*

*'Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order*

**Special terms and conditions-Version:1 effective from 04-05-2020 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:
  1. Inclusive in the Scope of installation and Commissioning:
    1. Fixing of Camera Mount / Stand at designated place for the camera, i. e., on Wall / Ceiling / Pole.

2. Fixing of Camera on Mount / Stand.
  3. All necessary accessories for fixing of Mount/ Stand.
  4. Connection and integrating the Cameras with power supply / CCTV Controller / NVR / DVR / HVR.
2. Not - inclusive in the Scope of installation and Commissioning:
1. Obtaining necessary approvals / permissions from the concerned Authorities, if any, for installation & Commissioning of CCTV Cameras.
3. Buyer's obligations:
1. Obtaining necessary approvals / permissions from the concerned Authorities, if any, for installation & Commissioning of CCTV Cameras.
  2. Buyer / Consignee shall provide power points, wherever necessary.

## **Buyer Added Bid Specific Additional Terms and Conditions**

1. **Scope of supply (Bid price to include all cost components) :** Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
2. Office of the Service Provider (through Bid) IS preferred to be located at a place near to the Buyers /consignee headquarter or any branch or registered office for sake of better co-ordination, smooth services and other administrative factors.

## **Disclaimer**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

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

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**