

Bid Document

Bid Details	
Bid End Date/Time	28-12-2019 16:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Textiles
Department Name	Na
Organisation Name	National Institute Of Fashion Technology (nift) Head Office New Delhi
Office Name	Nift Campus Near Gulmohar Park Hauzkhas, New Delhi 110016
Total Quantity	1359
Item Category	Camera for CCTV System , Cables suitable for CCTV System (Accessories) , Layer 2 Access Switch , Surveillance Hard disk , Video Recorder for CCTV System , connector mounting hardware-multi plug
Bidder Turnover (Last 3 Years)	1 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Document required from seller	Experience Criteria,Bidder Turnover *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
Bid to RA enabled	No
Primary product category	Camera for CCTV System

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

1. 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 years as indicated 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 year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

Camera For CCTV System (32 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	0.37	1, 0.67, 0.5, 0.37, 0.4 Or higher
	Camera Image Sensing capacity (Picture Mode)	2MP	2MP
	Resolution	D1 (704 x 480 Pixel), Full HD (1920 x 1080 Pixel)	D1 (704 x 480 Pixel), Full HD (1920 x 1080 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	*
VIDEO	Frame Rate (fps)	25	25
	Video Compression	H.264,H.265+,H.265	*
	Video Streaming	Dual compressed stream	Dual 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	16X	16X
AUDIO	Audio Support	No	No
	Audio Compression	NA	*
	Audio Streaming	NA	*
	Number of Audio Input Channel	NA	*
	Number of Audio Output Channel	NA	*
	External Microphone Support	No	*
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	0.2	0.2, 0.1, 0.05, 0.01 Or lower
	Electronic Shutter Speed(sec)	1/3 to 1/10000	*
	WDR (Wide Dynamic Range)	DWDR	DWDR
	SNR (Signal to Noise Ratio)	50-60	50-60
	Auto Exposure	Auto 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	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,NA	*
	IP Support	Static,Dynamic	*
	Signal Processing	Digital Signal Process	*
	IPv6 ready	Yes	*
	Wireless	No	*
	Simultaneous Connections	20	*
STORAGE	On Board SD Card Support	No	*
	SD Card Memory(GB)	NA	*
HOUSING	Installation Type	Outdoor	Outdoor
	Material of the Housing construction	Plastic	Plastic
	Protection	IP67	*
	Vandal Resistant Housing	No	*
	If Yes, IK rating	NA	*

	Mounting bracket	Wall Mounted	*
	Weight	2.4	*
	Dimensions (mm x mm x mm)	-	*
POWER SUPPLY	Power Input	12 V DC,PoE	*
	Power Consumption	4.8	*
	Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	NA	*
OPERATING CONDITIONS	Operating Temperature Range	-20 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	12	12 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	Yes	*
Test Report Number and Date	-	*
Name and Address of Test Lab	-	*
Certification	FCC,CE,UL	*

* Specifications highlighted in bold 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.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhash Kumar Jha	800006,NATIONAL INSTITUTE OF FASHION TECHNOLOGY, NIFT CAMPUS MITHAPUR PATNA 800006	32	30

Cables Suitable For CCTV System (Accessories) (1220 meter)

Technical Specifications

[* As per GeM Category Specification](#)

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

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhash Kumar Jha	800006,NATIONAL INSTITUTE OF FASHION TECHNOLOGY, NIFT CAMPUS MITHAPUR PATNA 800006	1220	30

Layer 2 Access Switch (5 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	8	8
	Number of 10G Copper Ports	1	1
	No. of 1 G SFP Port (Uplink)	0	0
	No. of 10 G SFP+ Port (Uplink)	0	0
	Multi-Gigabit Support	Yes	Yes
	Redundant Power supply (from day one)	Available	Available
	Console Port	Not Available	*
	Switching Capacity -Non Blocking (Gbps)	1	*
	Throughput (MPPS)	8	*
	Operating System	available	*
	Dedicated Stacking Port/Slot (from day one)	available	*
	Stacking Bandwidth (Gbps)	5.6	*
	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)	96	*
on Site OEM Warranty	1	1

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhash Kumar Jha	800006,NATIONAL INSTITUTE OF FASHION TECHNOLOGY, NIFT CAMPUS MITHAPUR PATNA 800006	5	30

Surveillance Hard Disk (1 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)	6	6.0
	Cameras supported	32	*
	Number of USB 2 Ports	0	*
	Interface	SATA 6 Gb/s	*
	Workload Rating (TB/year)	180	180
	OS Supported	Linux	*
	NVR-Ready	Yes	*

Bay Count Support	2	*
Cache (MB)	256	*
Water Resistant	Yes	*
Shock Resistant	Yes	*
Dimension (W x H x D) (mm x mm x mm)	-	*
Weight (Grams)	610	*
Wattage (Watts)	5	*
Standard Accessories to be supplied	-	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (% RH)	80	*
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)	3	3

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Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhash Kumar Jha	800006,NATIONAL INSTITUTE OF FASHION TECHNOLOGY, NIFT CAMPUS MITHAPUR PATNA 800006	1	30

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	Plastic	Plastic
	Mounting	Rack 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	1	1
	Recording Resolution	Full HD (1920 x 1080)	Full HD (1920 x 1080)
	Supported Compression Technique	H.264,H.265,MPEG-4,MJPEG	*
	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)	2	*

	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	4	*
	Audio Output	1	*
	Audio Compression	G.726,G.711,G.722.1,A-Law,U-Law,MP2L2,AAC,NA	*
	Minimum Number of Simultaneous Channels for Two-way Audio Support	1	*
SECURITY	Type of Encryption	HTTPS (SSL/TSL),HTTP (SSL/TSL),WPA,WPA2,TKIP,NA	*
	Multi Level User ID / Password	Yes	*
ALARM	Alarm Support	Yes	*
	Alarm Input	NA	*
	Alarm Output	1	*
	Pre / Post Alarm Buffer	Yes	*
	Pre-Alarm Recording	60	*
	Post-Alarm Recording	60	*
	Video Content Analytics (VCA)	Trip-wire Detection,Motion Detection,Crossing line,Intrusion Detection,Face Recognition,Object counting,Tampering,Object Removal,Number Plate Recognition,NA	*
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	*
	Number of Ethernet Ports	1	*
	Number of HDMI Ports	1	*
	Number of VGA Ports	1	*
	Number of CVBS Ports	0	*
	Number of USB Ports	0	*
	Number of Serial Ports	0	*
	Number of PoE Ports	1	*
	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	*
	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,SMS,E-mail	*
	Network transmission Speed	Real time display @ D1 resolution	*
	Other features, if any	-	*

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	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 II	*
	Number of Hard Disks (inclusive in the scope of supply)	2	*
	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,24 V DC	*
	Power Consumption	6.9	*
	Suitable Adapter to be Supplied to Make the Equipment Work on 230 V ± 10 %, 50 Hz	Yes	*
	Redundant Power Supply	No	*
OPERATING CONDITIONS	Minimum Operating Temperature	-10	*
	Maximum Operating Temperature	55	*
	Relative Humidity Non Condensing at 40 deg C	90	*

WARRANTY / SERVICES	Warranty	1	1.0
	Time for Replacement of Defective Product During Warranty Period	72	72.0
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 - 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	-	*
	Test Report Number and Date	-	*
	Name and Address of Test Lab	-	*
	Certification	UL	*
LIST OF ITEMS	List of Items and Quantity of each item included in the offer	-	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhash Kumar Jha	800006,NATIONAL INSTITUTE OF FASHION TECHNOLOGY, NIFT CAMPUS MITHAPUR PATNA 800006	1	30

Connector Mounting Hardware-multi Plug (100 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Input pin Rating (AMP)	6 A	6 A, 16 A
	Input pin Size Configuration	As per IS:1293/2005	*
CONSTRUCTIONAL	Nos of Pins in Input Plug (Nos)	3	*
	Power on indication	Yes	*
	No of 16A Sockets suitable for 3pin plug to IS:1293/2005 (Nos)	-	*
	No of 6A Sockets Suitable for 3pin plug to IS:1293/2005 (Nos)	-	*
	No of 6A Socket Suitable for 2pin(16.50 mm Pin distance) to IS:1293/2005 (Nos)	-	*
	No of 6A Socket Suitable for 2pin(19.10 mm Pin distance) to IS:1293/2005 (Nos)	-	*
	Material of Socket	-	*

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prabhash Kumar Jha	800006,NATIONAL INSTITUTE OF FASHION TECHNOLOGY, NIFT CAMPUS MITHAPUR PATNA 800006	100	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
3. Availability of Service Centres: Bidder/OEM must have a Functional 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). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
4. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

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

---Thank You---