

### Bid Document

Bid Details	
Bid End Date/Time	20-08-2020 16:00:00
Bid Opening Date/Time	20-08-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Civil Aviation
Department Name	Airports Authority Of India (aai)
Organisation Name	Airports Authority Of India ,rhq Nr - Rangpuri
Office Name	Aai Rhq Nr
Total Quantity	5233
Item Category	Layer 2 Access Switch , Server , insulated electrical conduits Pipe , Cables suitable for CCTV System (Accessories) , Camera for CCTV System , Installation & Commissioning charges for CCTV Cameras (Accessories) , Desktop Computers , Professional Large Format Display , Small form-factor pluggable transceiver , Online UPS , CAT 6 Cable for Indoor use
Bidder Turnover (Last 3 Years)	80 Lakh (s)
OEM Average Turnover (Last 3 Years)	650 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years Of Experience and Turnover	Yes
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual 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
Past Performance	60 %
Bid to RA enabled	Yes
Primary product category	Server
Inspection Required	No
Estimated Bid Value	16499060

### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	329981

**ePBG Detail**

Advisory Bank	State Bank of India
ePBG Percentage(%)	2.00
Duration of ePBG required (Months).	3

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

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

**Beneficiary:**

DGM

Aai Rhq Nr, Airports Authority of India (AAI), Airports Authority of India ,RHQ NR - Rangpuri, Ministry of Civil Aviation (Umesh Kumar Singhal)

**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.

2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated 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 OEM 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.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 60% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

**Layer 2 Access Switch ( 11 pieces )****Technical Specifications**

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	<b>Type of Switch</b>	Managed	Managed
	<b>Technology</b>	PoE+	PoE+
	<b>Number of 1G Copper Ports</b>	24	24
	<b>Number of 10G Copper Ports</b>	0	Any applicable numeric value
	<b>No. of 1 G SFP Port</b>	0	0

<b>(Uplink)</b>		
<b>No. of 10 G SFP+ Port (Uplink)</b>	4	4
<b>Multi-Gigabit Support</b>	No	No
<b>Redundant Power supply ( from day one)</b>	Supported	Supported & Part of Supply, Supported
Console Port	Not Available	*
Switching Capacity -Non Blocking (Gbps)	128	*
Throughput (MPPS)	128	*
Operating System	available	*
Dedicated Stacking Port/Slot ( from day one)	Not available	*
Stacking Bandwidth (Gbps)	1	*
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 )	500	*
<b>on Site OEM Warranty</b>	3	3

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	11	45

#### Server ( 4 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement
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			(Allowed Values)
Processor	Processor Architecture	CISC(X86)	*
	<b>Processor Make</b>	Intel	Intel
	<b>Number of Cores per Processor</b>	10	10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 64, 11 Or higher
	<b>Processor Base Frequency (GHz)</b>	2.2	2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4 Or higher
	Processor Turbo Frequency (GHz)	3.2	*
	<b>Total Cache (L1+L2+L3)(MB)</b>	13.75	13.75 - 256.0 Or higher
	Processor Description/ Number	Intel Xeon Silver 4210	*
Chassis	Form Factor	Rack	*
	Size (RU)	2	*
Motherboard	Chipset compatible with CPU	Intel C621	*
	Expansion Slots Gen 3 (PCIe x1)	0	*
	Expansion Slots Gen 3 (PCIe x4)	0	*
	Expansion Slots Gen 3 (PCIe x8)	6	*
	Expansion Slots Gen 3 (PCIe x16)	2	*
	<b>Maximum number of Sockets available on Server</b>	2	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	<b>Maximum number of Sockets populated with Processors available on Server</b>	2	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
Co Processor / GPU	<b>Availability of Co Processor /GPU</b>	No	Yes, No Or higher
	If Yes, Maximum Number of Slots available for Co-Processor/GPU	0	*
	If Yes, Maximum Number of slots populated with Co processor/GPU	0	*
	If Yes, Co Processor /GPU Description	NA	*
Memory	<b>Type of RAM</b>	DDR4 SDRAM with ECC	DDR4 SDRAM with ECC
	Total Number of DIMM Slots available	24	*
	Number of DIMM Slots populated with DDR SDRAM	2	*

	Number of DIMM Slots populated with DDR NVRAM	0	*
	<b>DDR SDRAM Size(GB)</b>	32	32.0 - 6144.0 Or higher
	<b>DDR NVRAM Size (GB)</b>	0	0.0 - 1600.0 Or higher
	DDR SDRAM upgradable upto using spare DIMM Slots (GB)	352	*
	DDR NVRAM upgradable upto using spare DIMM Slots (GB)	0	*
SSD Storage	<b>Type of Interface for SSD</b>	NA	NA
	Type of SATA SSD	NA	*
	SATA SSD Hot Swappable	NA	*
	Endurance for SATA SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for SATA SSD	0	*
	Number of Slot Populated with SATA SSD	0	*
	Capacity offered per SATA SSD (GB)	0	*
	<b>Total Capacity Offered with SATA SSD (GB)</b>	0	Any applicable numeric value
	Type of SAS SSD	NA	*
	SAS SSD Hot Swappable	NA	*
	Endurance for SAS SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for SAS SSD	0	*
	Number of Slots populated with SAS SSD	0	*
	Capacity Offered per SAS SSD (GB)	0	*
	<b>Total Capacity Offered with SAS SSD (GB)</b>	0	Any applicable numeric value
	Type of NVMe SSD	NA	*
	NVMe SSD Hot Swappable	NA	*
	Endurance for NVMe SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for NVMe SSD	0	*
	Number of Slots populated with NVMe	0	*

	SSD		
	Capacity Offered per NVMe SSD (GB)	0	*
	<b>Total Capacity Offered with NVMe SSD (GB)</b>	0	Any applicable numeric value
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA,SAS	SATA, SAS
	Total number of Slots available for SATA Drive	10	*
	Number of Slots populated with SATA Drive	9	*
	Capacity offered per SATA Drive (GB)	12000	*
	SATA drive speed (hot plug or better) (RPM)	7200	*
	<b>Total Storage Capacity offered with SATA Drive (GB)</b>	108000	More than 108000.0 Or higher
	Total number of slots available for SAS drive	2	*
	Number of Slots populated with SAS Drive	2	*
	Capacity offered per SAS Drive (GB)	600	*
	SAS drive Speed (Hot plug or better) (RPM)	10K	*
	<b>Total Storage Capacity offered with SAS Drive (GB)</b>	1200	Any applicable numeric value
	Total number of slots available for NL SAS drive	0	*
	Number of Slots populated with NL SAS Drive	0	*
	Capacity offered per NL SAS Drive	0	*
	NL SAS drive speed (hot plug or better) (RPM)	NA	*
<b>Total Storage Capacity offered with NL SAS Drive (GB)</b>	0	Any applicable numeric value	
RAID	RAID level	6,1	*
	<b>No of RAID Controller Ports</b>	8	8 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	12	12 Or higher
	RAID Controller Cache (GB)	2	*
Ports & Interfaces	Network Card Supported	1G	*

<b>Number of Networking Interface Cards (LAN)</b>	1	2, 3, 4, 5, 6, 7, 8, 1 Or higher
Whether Network Interface Card Embedded	Yes	*
<b>Total Number of Ethernet Ports required in Server</b>	4x1G	4x1G
Networking Interface Card Features	Asset Feature Tracking, Security Management	*
Server Network Ports should Support SR-IOV Feature	No	*
Server network ports should support DPDK and it should deliver zero packet loss as per RFC 2544 and deliver 100% line rate for all the packet sizes over 64 Bytes, Vendor to submit latest DPDK test report for the same	No	*
<b>Number of Single port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
<b>Number of Dual port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
<b>Number of Quad port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
<b>FC HBA Speed (Gbps)</b>	NA	8, 16, 32, NA Or higher
vHBA Card Features Supported	No	*
<b>Number of Converged Network Adaptor (CNA)</b>	0	0, 1, 2, 3, 4 Or higher
<b>Number of Ports per CNA card</b>	NA	Dual Port, Quad Port, NA Or higher
<b>CNA Port Speed (Gbps)</b>	0	10, 25, 40, 50, 100, 200, 0 Or higher
<b>Length of LC-LC Cable per SFP+ Port (meter)</b>	0	5, 10, 15, 0 Or higher
<b>Length of LC-LC Cable per HBA Port (meter)</b>	0	5, 10, 15, 0 Or higher
<b>Length of LC-LC Cable per CNA Port (meter)</b>	0	5, 10, 15, 0 Or higher
Length of Twinax Breakout Cables per Port (meter)	0	*
Video Controller (support VGA or above resolution)	Yes	*
Keyboard Port	No	*
Mouse Port	No	*

	DVD ROM (Internal/Exrternal)	Yes	*
	USB Ports (version 2point0/3point0)	4	*
	Total number of Spare Bays Available for Future Upgradation (Internal)	1	*
	Total number of Spare Bays Available for Future Upgradation (Hot Plugable)	0	*
Certifications	<b>Certifications/Compliance (OS)</b>	Windows,Red Hat Linux,Suse Linux,Ubuntu	Windows, Red Hat Linux, Suse Linux, Ubuntu
	Certification/Compliance (Virtualization/Cloud Platform)	VM ware,HyperV,Oracle Virtualization,Red Hat Virtualization	*
Features	<b>Management Features-1</b>	Remoter power On/ Shutdown of server,,Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,,Should have virtual Media support with all required licenses.,Remote KVM,Server Health Logging,Out of Band Management	Remoter power On/ Shutdown of server,, Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,, Should have virtual Media support with all required licenses., Remote KVM, Server Health Logging, Out of Band Management
	Management Features-2	Management of multiple Servers from single console with single source of truth for multiple sites.,Automated infrastructure management for patch upgrades, version upgrades ,etc.,Simplified management with analytics driven actionable intelligence.,System tagging giving admin flexibility to provide metadata tags to each System to enable users to filter and sort systems based on user-assigned attributes,Hardware Profile based deployment to multiple Servers simultaneously,Policy template for deployment of single policy to multiple Servers simultaneously,Platfrom inventory and helath status,Server utilization statistics collection (including firmware updates and diagnostic tools),Should provide an alert in case the system is not part of OEM hardware complatibility test,Solution should be open and programmable	*

		<p>providing Rest API, SDK for programming lanugaes like Python , power shell scripts etc.,Should have customizable dashboard to show overall faults/health/inventory for all managed infrastructure the solution should provide option to create unique dashboards for individual users.the user should be flexibility to select name for dshasboards and widgets (viz. health, utilization etc),Single pane of glass for auto Provisioning across Multi vendor &amp; multi hypervisor platform,Self service portal deployment for automated provisioning,Real-time out-of-band hardware performance monitoring &amp; alerting</p>	
	<b>Security Features-1</b>	Secure Boot(Firmware and Bios Level Security),Provision to lock the system on breach,Hardware root of trust/Dual Root of Trust,Server should provide policy based security,Server should provide server intrusion detection,,"Malicious Code Free design" (to be certified by OEM)	Secure Boot(Firmware and Bios Level Security), Provision to lock the system on breach, Hardware root of trust/Dual Root of Trust, Server should provide policy based security, Server should provide server intrusion detection,, "Malicious Code Free design" (to be certified by OEM)
	Security Features-2	Provision for Cryptographic firmware updates,Capability to stop execution of Application/Hypervisor/ Operating System on predefined security breach,Secure /Automatic BIOS recovery,Network Card secure firmware boot,In case of any security breach system should provide the lock down feature	*
	Server scalability to be achived within the box & without adding nodes	Yes	*
	support for high availability clustering and virtualization	Yes	*
Generic	Redundant Power Supply	Yes	*
	Hot Swappable (Redundant Power Supply)	Yes	*
	<b>Power Supply Efficiency</b>	Platinum	Platinum, Titanium Or higher
	Redundant Fan	Yes	*

	Hot Swappable (Redundant Fan)	Yes	*
	Server Main Supply	230 +/- 10%Vac	*
Benchmark	<b>SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	0	More than 0.0 Or higher
	<b>SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	0	More than 0.0 Or higher
	SPEC int_speed_base 2017 for the product (must be available on SPEC dot ORG before evaluation)	0	*
	SPEC fp_speed_2017 for the product (must be available on SPEC dot ORG before evaluation)	0	*
Miscellaneous	Maximum power consumption of the system (Watts)	750	*
	BIS Registration under CRS of MeitY	Yes	*
	BIS Registration Number Under CRS of MeitY and its validity	-	*
	Other Certifications Available	UL,FCC	*
	RoHS Compliance	Yes	*
	Availability of the type test report from Central Government / NABL / ILAC accredited laboratory covering verification of all features & functional parameters & environmental tests sequence	Yes	*
	a) Dry heat:test - for 16 hrs at 45 deg C as per IS: 9000/pt-3/sec-5/1977 b) Cold test - for 4 hrs at 0 deg C as per IS: 9000/pt-2/sec-4/1977 c) Damp Heat Cyclic Test - for 2 cycles of 24 hrs at 40 deg C & 95% RH as per IS: 9000/pt-5/sec-1/1981	Yes	*
	The server has been checked for all the parameters before conditioning, After completion of the environmental tests	Yes	*

	sequence, with a recovery period of 1 to 2 hrs, the server found to be functional		
	Test Report Number & date	-	*
	Name & Address of Lab	-	*
Scope of Supply	Installation and Commissioning shall be included in the scope of supply	Yes	*
Warranty	<b>On Site OEM Warranty (Year)</b>	3	3, 4, 5, 7 Or higher

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	4	45

#### Insulated Electrical Conduits Pipe ( 1000 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Conformity to Indian Standard	IS:9537( Part-3) Latest	*
	Classification of Conduit	Medium Mechanical Stresses	*
CONSTRUCTIONAL	Material	-	*
	<b>Nominal Size of the Conduit, (mm)</b>	25	25
	<b>Length (Metres)</b>	3	3
	<b>Socket ended conduit (at one end )</b>	Yes	Yes
CERTIFICATION	<b>ISI Marked</b>	Yes	Yes
	CM/L No	-	*
	Availability of Test Reports from Central Govt./State Govt/NABL/IL AC accredited Lab covering all the Declared Parameters as per IS	-	*

Specification		
Test Report No and Date	-	*
Name of the Lab	-	*
Address of the Lab	-	*

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1	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	1000	45

#### Cables Suitable For CCTV System (Accessories) ( 1000 meter )

##### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Cables suitable for CCTV System (Accessories)	<b>Cable Classification</b>	Control cable for PTZ Camera	Control cable for PTZ Camera
	<b>Armoured</b>	No	Yes, No

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1	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	1000	45

#### Camera For CCTV System ( 40 pieces )

##### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement
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			(Allowed Values)
CAMERA TYPE	<b>Type of Camera Housing</b>	DOME CAMERA	DOME CAMERA
	<b>IP Camera</b>	Yes	Yes
	<b>PTZ Camera</b>	No	No
IMAGE SENSOR	<b>Image Sensor Type</b>	CMOS	CMOS
	<b>Image Sensor Size</b>	0.34	1, 0.67, 0.5, 0.34, 0.357, 0.37, 0.4 Or higher
	<b>Camera Image Sensing capacity (Picture Mode)</b>	3MP	3MP
	<b>Resolution</b>	Full HD (1920 x 1080 Pixel)	Full HD (1920 x 1080 Pixel)
	<b>Day/Night Capable</b>	Yes	Yes
	<b>IR illumination Range(mtr)</b>	50	50
OPTICS	Lens Type	Motorized Varifocal	*
	<b>Focal Length(mm)</b>	2.8 - 12	2.8 - 12
	Iris Control	Yes	*
	Focus Mode	Auto	*
VIDEO	<b>Frame Rate (fps)</b>	60	60
	Video Compression	H.265	*
	<b>Video Streaming</b>	Quad Compressed Stream	Quad Compressed Stream
PAN / TILT / ZOOM	Panning Range	NA	*
	<b>Pan Speed (deg/sec)</b>	NA	NA
	Tilt Range below horizontal (deg)	NA	*
	Tilt Range above horizontal (deg)	NA	*
	<b>Tilt Speed (deg/sec)</b>	NA	NA
	<b>Optical Zoom</b>	NA	NA
	<b>Digital Zoom</b>	NA	NA
AUDIO	<b>Audio Support</b>	Yes	Yes, No
	Audio Compression	G.726,G.711,AAC	*
	Audio Streaming	Full Duplex	*
	Number of Audio Input Channel	1	*
	Number of Audio Output Channel	1	*
	External Microphone Support	Yes	*
ALARM	<b>Alarm Support</b>	Yes	Yes, No
	Number of Alarm Digital Input	1	*
	Number of Alarm Relay Output	1	*
	Pre/Post Alarm Buffer	Yes	*
SECURITY	Multi Level User	Yes	*

	ID/Password		
	IP Address Filtering	Yes	*
	Encrypted Data Transmission	HTTPS (SSL/TSL)	*
PERFORMANCE	<b>Minimum Illumination for Capturing Color Image</b>	0.01	0.6, 0.5, 0.2, 0.1, 0.05, 0.01 Or lower
	Electronic Shutter Speed(sec)	1/3 to 1/10000	*
	<b>WDR (Wide Dynamic Range)</b>	120 dB	120 dB
	<b>SNR (Signal to Noise Ratio)</b>	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	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	Yes	*
	Wireless	No	*
	Simultaneous Connections	14	*
STORAGE	On Board SD Card Support	Yes	*

	SD Card Memory(GB)	256	*
HOUSING	<b>Installation Type</b>	Indoor	Indoor, Outdoor
	<b>Material of the Housing construction</b>	Alluminium	Alluminium, Plastic
	Protection	IP 66	*
	Vandal Resistant Housing	Yes	*
	If Yes, IK rating	IK 10	*
	Mounting bracket	Ceiling Mounted	*
	Weight	1200	*
	Dimensions (mm x mm x mm)	-	*
POWER SUPPLY	Power Input	12 V DC,PoE	*
	Power Consumption	9.4	*
	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	<b>Warranty</b>	3	3, 4, 5 Or higher
	<b>Time for Replacement of Defective Product During Warranty Period</b>	48	12, 24, 36, 48 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	Yes	*

	requirements as per IS 13252 (Part 1):latest		
	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	*

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#### Consignees/Reporting Officer and Quantity

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1	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	40	45

#### Camera For CCTV System ( 5 pieces )

##### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
CAMERA TYPE	<b>Type of Camera Housing</b>	BULLET CAMERA	BULLET CAMERA
	<b>IP Camera</b>	Yes	Yes
	<b>PTZ Camera</b>	No	No
IMAGE SENSOR	<b>Image Sensor Type</b>	CMOS	CMOS
	<b>Image Sensor Size</b>	0.34	1, 0.67, 0.5, 0.34, 0.357, 0.37, 0.4 Or higher
	<b>Camera Image Sensing capacity (Picture Mode)</b>	3MP	3MP
	<b>Resolution</b>	Full HD (1920 x 1080 Pixel)	Full HD (1920 x 1080 Pixel)
	<b>Day/Night Capable</b>	Yes	Yes
	<b>IR illumination Range(mtr)</b>	50	50
OPTICS	Lens Type	Motorized Varifocal	*
	<b>Focal Length(mm)</b>	2.8 - 12	2.8 - 12

	Iris Control	Yes	*
	Focus Mode	Auto	*
VIDEO	<b>Frame Rate (fps)</b>	60	60
	Video Compression	H.265	*
	<b>Video Streaming</b>	Quad Compressed Stream	Quad Compressed Stream
PAN / TILT / ZOOM	Panning Range	NA	*
	<b>Pan Speed (deg/sec)</b>	NA	NA
	Tilt Range below horizontal (deg)	NA	*
	Tilt Range above horizontal (deg)	NA	*
	<b>Tilt Speed (deg/sec)</b>	NA	NA
	<b>Optical Zoom</b>	NA	NA
	<b>Digital Zoom</b>	NA	NA
AUDIO	<b>Audio Support</b>	Yes	Yes, No
	Audio Compression	G.726,G.722.1,G.711,AAC	*
	Audio Streaming	Full Duplex	*
	Number of Audio Input Channel	1	*
	Number of Audio Output Channel	1	*
	External Microphone Support	Yes	*
ALARM	<b>Alarm Support</b>	Yes	Yes, No
	Number of Alarm Digital Input	2	*
	Number of Alarm Relay Output	2	*
	Pre/Post Alarm Buffer	Yes	*
SECURITY	Multi Level User ID/Password	Yes	*
	IP Address Filtering	Yes	*
	Encrypted Data Transmission	HTTPS (SSL/TSL)	*
PERFORMANCE	<b>Minimum Illumination for Capturing Color Image</b>	0.01	0.6, 0.5, 0.2, 0.1, 0.05, 0.01 Or lower
	Electronic Shutter Speed(sec)	1/3 to 1/10000	*
	<b>WDR (Wide Dynamic Range)</b>	120 dB	120 dB
	<b>SNR (Signal to Noise Ratio)</b>	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	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	Yes	*
	Wireless	No	*
	Simultaneous Connections	14	*
STORAGE	On Board SD Card Support	Yes	*
	SD Card Memory(GB)	256	*
HOUSING	<b>Installation Type</b>	Indoor,Outdoor	Indoor, Outdoor
	<b>Material of the Housing construction</b>	Alluminium	Alluminium, Plastic
	Protection	IP 66	*
	Vandal Resistant Housing	Yes	*
	If Yes, IK rating	IK 10	*
	Mounting bracket	Wall Mounted	*
	Weight	1600	*
	Dimensions (mm x mm x mm)	-	*
POWER SUPPLY	Power Input	12 V DC,PoE	*
	Power Consumption	9.4	*
	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	<b>Warranty</b>	3	3, 4, 5 Or higher
	<b>Time for Replacement of Defective Product During Warranty Period</b>	48	12, 24, 36, 48 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	5	45

### Camera For CCTV System ( 17 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
CAMERA TYPE	<b>Type of Camera Housing</b>	DOME CAMERA	DOME CAMERA
	<b>IP Camera</b>	Yes	Yes
	<b>PTZ Camera</b>	Yes	Yes
IMAGE SENSOR	<b>Image Sensor Type</b>	CMOS	CMOS
	<b>Image Sensor Size</b>	0.357	1, 0.67, 0.5, 0.357, 0.37, 0.4 Or higher
	<b>Camera Image Sensing capacity (Picture Mode)</b>	3MP	3MP
	<b>Resolution</b>	Full HD (1920 x 1080 Pixel)	Full HD (1920 x 1080 Pixel)
	<b>Day/Night Capable</b>	Yes	Yes
	<b>IR illumination Range(mtr)</b>	150	150
OPTICS	Lens Type	Motorized Varifocal	*
	<b>Focal Length(mm)</b>	4.5 - 162	4.5 - 162
	Iris Control	Yes	*
	Focus Mode	Auto,Zooming,One Push,Manual	*
VIDEO	<b>Frame Rate (fps)</b>	60	60
	Video Compression	H.265	*
	<b>Video Streaming</b>	Quad Compressed Stream	Quad Compressed Stream
PAN / TILT / ZOOM	Panning Range	0-360	*
	<b>Pan Speed (deg/sec)</b>	320	320
	Tilt Range below horizontal (deg)	0-90	*
	Tilt Range above horizontal (deg)	0-5	*
	<b>Tilt Speed (deg/sec)</b>	120	120
	<b>Optical Zoom</b>	44X	44X
	<b>Digital Zoom</b>	16X	16X
AUDIO	<b>Audio Support</b>	Yes	Yes, No

	Audio Compression	G.726,G.711,AAC	*
	Audio Streaming	Full Duplex	*
	Number of Audio Input Channel	2	*
	Number of Audio Output Channel	2	*
	External Microphone Support	Yes	*
ALARM	<b>Alarm Support</b>	Yes	Yes, No
	Number of Alarm Digital Input	2	*
	Number of Alarm Relay Output	2	*
	Pre/Post Alarm Buffer	Yes	*
SECURITY	Multi Level User ID/Password	Yes	*
	IP Address Filtering	Yes	*
	Encrypted Data Transmission	HTTPS (SSL/TSL)	*
PERFORMANCE	<b>Minimum Illumination for Capturing Color Image</b>	0.01	0.6, 0.5, 0.2, 0.1, 0.05, 0.01 Or lower
	Electronic Shutter Speed(sec)	1/3 to 1/10000	*
	<b>WDR (Wide Dynamic Range)</b>	120 dB	120 dB
	<b>SNR (Signal to Noise Ratio)</b>	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	100	*
	Group Touring	0	*
	Privacy Zones	24	*
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	Yes	*
	Wireless	No	*
	Simultaneous Connections	14	*
STORAGE	On Board SD Card Support	Yes	*
	SD Card Memory(GB)	256	*
HOUSING	<b>Installation Type</b>	Indoor,Outdoor	Indoor, Outdoor
	<b>Material of the Housing construction</b>	Alluminium	Alluminium, Plastic
	Protection	IP 66	*
	Vandal Resistant Housing	Yes	*
	If Yes, IK rating	IK 10	*
	Mounting bracket	Pole Mounted	*
	Weight	8200	*
	Dimensions (mm x mm x mm)	-	*
POWER SUPPLY	Power Input	24 V DC,PoE	*
	Power Consumption	25	*
	Suitable Adapter Shall be Supplied to Make the Equipment Work on 230 V (+/- 10 %), 50 Hz	Yes	*
OPERATING CONDITIONS	Operating Temperature Range	-20 to +50 deg C	*
	Relative Humidity Non Condensing (%)	95	*
WARRANTY / SERVICES	<b>Warranty</b>	3	3, 4, 5 Or higher
	<b>Time for Replacement of Defective Product During Warranty Period</b>	48	12, 24, 36, 48 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	No	*

Seller		
Availability of facility to test signal to noise ratio of camera at 0-01 lux	No	*
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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	17	45

#### Installation & Commissioning Charges For CCTV Cameras (Accessories) ( 45 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)

Installation & Commissioning charges for CCTV Cameras (Accessories)	<b>Type of Camera</b>	IP Camera	IP Camera
	<b>Shape of Camera Housing</b>	Dome	Dome, Bullet
	<b>Installation Type</b>	Indoor	Indoor, Outdoor
	<b>Type of Mounting</b>	Ceiling Mounted	Wall Mounted, Pole Mounted, Ceiling Mounted, Assorted
	<b>Number of Cameras to be installed</b>	26 to 50	Upto 10, 11 to 25, 26 to 50, 51 to 100, 101 & above
	Agreed to STC of the Product	Yes	*

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	45	45

#### Installation & Commissioning Charges For CCTV Cameras (Accessories) ( 17 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Installation & Commissioning charges for CCTV Cameras (Accessories)	<b>Type of Camera</b>	PTZ Camera	IP Camera, PTZ Camera
	<b>Shape of Camera Housing</b>	Assorted	Assorted
	<b>Installation Type</b>	Assorted	Indoor, Outdoor, Assorted
	<b>Type of Mounting</b>	Assorted	Wall Mounted, Pole Mounted, Ceiling Mounted, Assorted
	<b>Number of Cameras to be installed</b>	11 to 25	Upto 10, 11 to 25, 26 to 50, 51 to 100, 101 & above
	Agreed to STC of the Product	Yes	*

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	17	45

## Desktop Computers ( 9 pieces )

### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Processor	<b>Processor Make</b>	Intel	Intel
	<b>Processor Generation</b>	9	9.0 Or higher
	<b>Number of Cores per Processor</b>	8	8, 10 Or higher
	Processor Base Frequency (GHz)	3	*
	<b>Processor Description</b>	Intel Core i7	Intel Core i7, Intel Core i9 Or higher
	<b>Processor Number</b>	Intel Core i7 9700	Intel Core i7 8700, Intel Core i7 8700K, 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 Or higher
	Out of Band Management	NA	*
	Cache (MB)	12	*
Motherboard	<b>Chipset Series</b>	Intel Q Series	Intel Q Series Or higher
	Expansion Slots (PCIe x 1) (Number)	2	*
	<b>Chipset Number</b>	Intel Q 370	Intel Q 370 Or higher
	Expansion Slots (PCIe x 4) (Number)	1	*
	Expansion Slots (PCIe x 16) (Number)	1	*
	Expansion Slots (PCI) (Number)	0	*
	Expansion Slots (M Dot 2)	2	*
Graphics	Graphics Type	Dedicated/Discrete	*
	Graphic Card Description	-	*
	Size of Memory in Case of Dedicated Graphic Card (GB)	2	*
	Size of VRAM in case of	-	*

	Integrated Graphics (MB)		
Operating System	<b>Operating System (Factory Pre-Loaded)</b>	Windows 10 Professional	Windows 10 Professional
	Recovery Image Media	-	*
	OS Certification	Windows	*
Memory	Type of RAM	DDR4	*
	<b>RAM Size (GB)</b>	8	8, 16, 32, 64, 128 Or higher
	RAM Speed (MHz)	2666	*
	Total Numbers of DIMM Slots Available	4	*
	Number of DIMM Slots populated	2	*
	<b>RAM Expandability up to( using spare DIMM Slots in GB)</b>	32	32, 64, 128 Or higher
Storage	Total Number of Internal Bays available	1	*
	Number of 2 point 5 inches internal Bays	0	*
	Number of 3 point 5 inches Internal Bays	1	*
	Number of 2 point 5 Inches Internal Bays Populated	0	*
	Number of 3 point 5 Inches Internal Bays Populated	1	*
	<b>Type of Drives used to populate the Internal Bays</b>	HDD	HDD
	Number of Internal Bays populated with HDD	1	*
	Capacity of each HDD (GB)	1000 @7200 rpm	*
	<b>Total HDD Capacity (GB)</b>	1000	1000, 1500, 2000, 2500, 3000, 4000 Or higher
	Number of Internal Bays populated with SSD	1	*
	Capacity of each SSD (GB)	0	*
	<b>Total SSD Capacity (GB)</b>	0	128, 256, 384, 512, 768, 0, 1024, 2048, 4096 Or higher
	Number of Internal Bays populated with SSHD	0	*
	Capacity of each SSHD (GB)	NA	*
	<b>Total SSHD Capacity in addition to 8 GB Flash (GB)</b>	0	500, 1000, 2000, 0 Or higher
	Optane Memory (GB)	16	*
Cabinet	<b>Cabinet Form Factor</b>	Tower (13.1 to 26 Litres)	SFF ( 7 to 13 Litres), Tower

			(13.1 to 26 Litres)
	Cabinet Volume (Litres)	-	*
	External Bays (Number)	1	*
	Optical Drive	DVD R/W	*
	Internal Speaker	Yes	*
	Audio-in	Yes	*
	Audio-out	Yes	*
	Headphone out	Yes	*
	Microphone-in	Yes	*
Connectivity	Wireless Connectivity	No	*
	If Yes, Type of Wireless Connectivity	NA	*
	Number of Ethernet Ports	1	*
	Type of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port	*
	Bluetooth Connectivity	No	*
	If Yes, Version of Bluetooth Available	0	*
Ports	Number of USB Version 2 Point 0 Ports	4	*
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	5	*
	Number of USB Version 3 point 1, Gen 2 Ports	0	*
	Number of USB Type C Ports	1	*
	Number of Serial Ports	0	*
	Number of Parallel Ports	0	*
	Number of VGA Ports	0	*
	Number of HDMI Ports	0	*
	Number of DP Ports	2	*
Monitor	Model of the Monitor	-	*
	<b>Monitor Technology</b>	TN	IPS, TN, VA Or higher
	<b>LED Backlit Monitor Size (INCHES)</b>	18.5	18.5, 19.5, 21.5, 22, 23, 24, 27, 20, 23.8, 19 Or higher
	<b>Monitor Resolution (PIXELS)</b>	1366x768	1366x768, 1440 x 900, 1600 x 900, 1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 1280 x 1024, 2560 x 1440 Or higher
	TCO Certification for Monitor	-	*
	Number of VGA Ports in the Monitor	1	*
	Number of HDMI Ports in the Monitor	0	*
	Number of Display Ports	1	*

	in the Monitor		
	Availability of Webcam integrated with Monitor	No	*
	If Yes, Resolution of Webcam	NA	*
	Availability of Speakers integrated with Monitor	No	*
	If Yes, Number of Speakers available	0	*
Power	Power Supply Capacity (Watt)	-	*
	Minimum Power Efficiency Range (%)	85 - 89	*
Certification	ROHS Compliance	Yes	*
	BEE / Energy Star for the given Model	Yes	*
Input Devices	Mouse Connectivity	Wired	*
	Type of Mouse	Optical Scroll	*
	Keyboard Connectivity	Wired	*
	Type of Keyboard	Standard with Rupee Symbol	*
Operating Conditions	Minimum Operating Temperature	5	*
	Maximum Operating Temperature	35	*
	Minimum Operating Humidity (%RH)	20	*
	Maximum Operating Humidity (%RH)	80	*
Warranty	<b>On Site OEM Warranty (Year)</b>	3	3, 5, 4 Or higher

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	9	45

#### Professional Large Format Display ( 5 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Ungrouped	<b>Screen Size (Diagonal) Minimum (cm)</b>	138	138, 164, 175, 189, 216, 247, 152, 203, 228, 304, 254 Or higher
	<b>Technology</b>	LED Backlit	LED Backlit
	<b>Screen Type</b>	Non Touch	Non Touch
	Panel Technology	Vertical Alignment (VA)	*
	Orientation	Portrait and Landscape	*
	<b>Native Resolution (Pixels)</b>	3840 x 2160 (UHD)	3840 x 2160 (UHD)
	<b>Aspect Ratio</b>	16:9	16:9
	<b>Brightness (Nits) Minimum</b>	500	450, 500, 600, 700, 1000, 1500 Or higher
	Native Contrast Ratio (Minimum)	-	*
	Viewing Angle (Horizontal:Vertical)	178:178	*
	Response Time (milli seconds)	8	*
	Bezel width (mm)	9.2	*
	Number of Speakers	2	*
	Arrangement of Speakers	Inbuilt	*
	Wattage of Speaker (with maximum 10% THD) (Watt)	20	*
	Output Port for audio output if internal speakers are not there	Available	*
	VGA Port	Not Available	*
	HDMI Port	Available	*
	DVI-D Port	Available	*
	Display Port	Available	*
	USB Port	Available	*
	RS 232C Port	Available	*
	RJ 45	Available	*
	In built Sinage Software	Available	*
	Power Consumption in Operating Mode (Maximum) (Watt)	143	*
	Power Consumption in Sleep Mode (Maximum) (Watt)	0.5	*
	<b>Duty Cycle</b>	24 x 7	24 x 7
	Mounting arrangement	-	*
	BIS Registration under CRS of Meity	Yes	*
	If Yes, BIS Registration	-	*

number		
ROHS Compliance	Yes	*
Power Supply	230 V AC, 50 Hz	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (%RH)	-	*
Dimensions (L X B) (cm x cm)	-	*
Weight (Kg)	-	*
Accessories to be supplied : AC Power cord, remote control, user manual, wall mount bracket, necessary cables and connectors	Yes	*
<b>On Site OEM Warranty (Year)</b>	3	3

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	5	45

#### Professional Large Format Display ( 1 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Ungrouped	<b>Screen Size (Diagonal) Minimum (cm)</b>	189	189, 216, 247, 203, 228, 304, 254 Or higher
	<b>Technology</b>	LED Backlit	LED Backlit
	<b>Screen Type</b>	Non Touch	Non Touch
	Panel Technology	Vertical Alignment (VA)	*
	Orientation	Portrait and Landscape	*
	<b>Native Resolution (Pixels)</b>	3840 x 2160 (UHD)	3840 x 2160 (UHD)
	<b>Aspect Ratio</b>	16:9	16:9

<b>Brightness (Nits) Minimum</b>	500	450, 500, 600, 700, 1000, 1500 Or higher
Native Contrast Ratio (Minimum)	-	*
Viewing Angle (Horizontal:Vertical)	178:178	*
Response Time (milli seconds)	8	*
Bezel width (mm)	11.5	*
Number of Speakers	2	*
Arrangement of Speakers	Inbuilt	*
Wattage of Speaker (with maximum 10% THD) (Watt)	20	*
Output Port for audio output if internal speakers are not there	Available	*
VGA Port	Not Available	*
HDMI Port	Available	*
DVI-D Port	Available	*
Display Port	Available	*
USB Port	Available	*
RS 232C Port	Available	*
RJ 45	Available	*
In built Sinage Software	Available	*
Power Consumption in Operating Mode (Maximum) (Watt)	231	*
Power Consumption in Sleep Mode (Maximum) (Watt)	0.5	*
<b>Duty Cycle</b>	24 x 7	24 x 7
Mounting arrangement	-	*
BIS Registration under CRS of Meity	Yes	*
If Yes, BIS Registration number	-	*
ROHS Compliance	Yes	*
Power Supply	230 V AC, 50 Hz	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (%RH)	-	*
Dimensions (L X B) (cm x cm)	-	*
Weight (Kg)	-	*
Accessories to be supplied : AC Power cord, remote control,	Yes	*

	user manual, wall mount bracket, necessary cables and connectors		
	<b>On Site OEM Warranty (Year)</b>	3	3

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	1	45

#### Professional Large Format Display ( 4 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Ungrouped	<b>Screen Size (Diagonal) Minimum (cm)</b>	121	121, 138, 164, 175, 189, 216, 247, 152, 203, 228, 304, 254 Or higher
	<b>Technology</b>	LED Backlit	LED Backlit
	<b>Screen Type</b>	Non Touch	Non Touch
	Panel Technology	Vertical Alignment (VA)	*
	Orientation	Portrait and Landscape	*
	<b>Native Resolution (Pixels)</b>	3840 x 2160 (UHD)	3840 x 2160 (UHD)
	<b>Aspect Ratio</b>	16:9	16:9
	<b>Brightness (Nits) Minimum</b>	500	450, 500, 600, 700, 1000, 1500 Or higher
	Native Contrast Ratio (Minimum)	-	*
	Viewing Angle (Horizontal:Vertical)	178:178	*
	Response Time (milli seconds)	8	*
	Bezel width (mm)	9.2	*
	Number of Speakers	2	*
	Arrangement of Speakers	Inbuilt	*
Wattage of Speaker (with maximum 10%	20	*	

THD) (Watt)		
Output Port for audio output if internal speakers are not there	Available	*
VGA Port	Not Available	*
HDMI Port	Available	*
DVI-D Port	Available	*
Display Port	Available	*
USB Port	Available	*
RS 232C Port	Available	*
RJ 45	Available	*
In built Sinage Software	Available	*
Power Consumption in Operating Mode (Maximum) (Watt)	138	*
Power Consumption in Sleep Mode (Maximum) (Watt)	0.5	*
<b>Duty Cycle</b>	24 x 7	24 x 7
Mounting arrangement	-	*
BIS Registration under CRS of Meity	Yes	*
If Yes, BIS Registration number	-	*
ROHS Compliance	Yes	*
Power Supply	230 V AC, 50 Hz	*
Operating Temperature Range (Degree C)	-	*
Operating Humidity (%RH)	-	*
Dimensions (L X B) (cm x cm)	-	*
Weight (Kg)	-	*
Accessories to be supplied : AC Power cord, remote control, user manual, wall mount bracket, necessary cables and connectors	Yes	*
<b>On Site OEM Warranty (Year)</b>	3	3

\* 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
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1	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	4	45
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### Small Form-factor Pluggable Transceiver ( 24 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	<b>Type of Transceiver</b>	SFP	SFP+
	SFP Mode	Single	*
	Supported Protocols	-	*
	Compatability with OEMs Products	-	*
	Wavelength(nm)	1310	*
	Fibre Cable Type	-	*
	Core Size (Micron)	62.5	*
	Maximum Data Rate	1000	*
	Modal Bandwidth (MHz/Km)	10000	*
	Max.Cable Distance	10	*
	Optical Component (nm)	1310	*
	Digital Optical Monitoring (DOM) Support	Yes	*
	Interface	-	*
	Tx Power (dBm)	-9.5	*
	Receiver Sensitivity (dBm)	-19	*
	Operating Temperature Range(Degree C)	-	*
	Operating Humidity (RH) (%)	-	*
<b>On Site OEM Warranty (Year)</b>	3	3	

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports	24	45

## Online UPS ( 1 pieces )

### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic	<b>Rating in KVA (KVA)</b>	10.0 KVA	10.0 KVA
	<b>Technology</b>	IGBT-PWM with inbuilt isolation transformer	IGBT-PWM with inbuilt isolation transformer
	<b>Input Power</b>	Three phase 300 V - 450V sinewave,50Hz	Three phase 300 V - 450V sinewave,50Hz
	<b>Output power</b>	Single phase 230V +/-1% sinewave 50 Hz	Single phase 230V +/-1% sinewave 50 Hz
	<b>Backup time (Minutes)</b>	30	30
	<b>Minimum VAH (VAH)</b>	8064	8064
	<b>Warranty for UPS (Years)</b>	3	3
	<b>Movable trolley for Batteries</b>	Without trolley but with rack	Without trolley but with rack
	<b>Warranty for battery</b>	2	2
	<b>Degree of Protection</b>	IP20	IP20
	<b>Cabling 5 meters for input and out put</b>	With	With
	<b>Paralleling kit for synchronising</b>	Without	Without
	Installation and Commissioning	Yes	*
Constructional	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1.2	*
	<b>Type of Battery</b>	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
Functional	Maximum overshoot and Under shoot of output rated voltage	4	*
	Voltage Regulation from no load to full load (%)	< / = 3%	*
	<b>20% Overload limit for minimum 10 minutes</b>	Yes	Yes
	<b>Overall Efficiency (%)</b>	>/=90%	>/=90%
	Total Harmonic Distortion(THD) (%)	Maximum 3%	*
	<b>50% Overload limit for minimum 1 minutes</b>	Yes	Yes

Protection	Protection for under voltage at battery terminal at 10.5V per 12 V battery	Yes	*
	Protection of Over voltage, Short Circuit & over load at UPS output terminal	Yes	*
Metering And Indications	Digital Metering in UPS for AC Input Voltage, Output AC Voltage, Current, Frequency, Battery Voltage and Current	Yes	*
	Indicators for mains presence, Battery charging and discharging, Output Over Load, Low Battery Voltage	Yes	*
Reports And Certification	Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C, two cycles of (12+12) hours each 2007)	Yes	*
	Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes	*
	Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes	*
	Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes	*
	Type Test Certificate No.	-	*
	Type Test Certificate date	-	*
	Name of Lab	-	*
	Address of Lab	-	*
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes	*

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	1	45

**CAT 6 Cable For Indoor Use ( 3050 meter )**

**Technical Specifications**

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Cate 6 cable conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes	*
	<b>Cable category: Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshielded twisted pair or Category 6 Shielded /Foiled Twisted Pair</b>	CAT6 U/UTP	CAT6 U/UTP
	<b>Cable colour</b>	Grey	Grey
	<b>Conductor diameter</b>	0.57 mm (23 AWG)	0.57 mm (23 AWG)
	Conductor count (in Nos.,)	8	*
	<b>Length of cable in a bundle (Mtrs)</b>	305 mtrs.	305 mtrs.
CONSTRUCTIONAL	"CAT6 Cable can transmit data at 1000 Mbps (~1 Gigabit per second) with a frequency of 250 MHz and suitable for 10BASE-T, 100BASE-TX Fast Ethernet and 1000BASE-T / 1000BASE-TX (Gigabit Ethernet)."	Yes	*
	Maximum DC resistance - in Ohm/Km	Max. 100 Ohm/Km	*
	Conductor Materail	Bare Copper	*
	Conductor Insulation Material	Polyethylene	*
	<b>Cable jacket material</b>	Fire retardant PVC	Fire retardant PVC
	Conductor stranding	Solid	*
	Cable should have internal cross separator	Yes	*

	Storage temperature range	minus 20 degree C to plus 60 degree C	*
	Operating temperature range	minus 20 degree C to plus 60 degree C	*
	Each meter printed with sequential length counter of cable apart from marking requirement as per relevant specifications and certifications	Yes	*
CERTIFICATIONS	Category 6 cable shall have valid verified certificate from ERTL/ETL /Intertek/3P /GHMT /Delta/UL as per CAT 6 standards ANSI//TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes	*
	If "Yes" Certificate Number - Must declare	-	*
	<b>UL Marking on Cable</b>	Yes	Yes
	Availability of complete and satisfactory type test Report from Central Government / NABL/ ILAC accredited laboratory to conformity of the Specification	Yes	*
	Test report Number	-	*
	Report date	-	*
	Name and address of Lab	-	*
	All the test reports and certificates shall furnish to the buyer/consignee on demand	Yes	*

\* 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	Umesh Kumar Singhal	180003,Airport Director Airports Authority of India Civil Enclave Jammu (J&K) Telephone Number-91-191-2454318, 2455067	3050	45

#### 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:

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.

### Special terms and conditions for category Desktop Computers

1. As per notification of MEITY circulated vide letter no. F.No.33(1)/2017-IPHW..dated :14/09/2017, the minimum local content should be 45.percent to qualify as local or domestic manufacturer.\n\nSeller has to ensure that operating system software etc comes preloaded with machine from respective OEM . Any deviation in respect of genuinity and authenticity of OS will attract severe penalty on part of seller as law of the land and contractual provisions. Buyer are also requested to verify the key no of OS etc with server of Microsoft/Linux before accepting machines to avoid complexity at latter stage.

### Special terms and conditions for category Online UPS

1. Calculation of Minimum VAH based on Back up time Minimum VAH requirements would be calculated on the basis of following: (VAH Calculation: Battery Voltage x Battery Ah x No. of Batteries = VAH)UPS Rating15 Minutes30 Minutes60 Minutes90 Minutes120 Minutes180 Minutes240 Minutes1 KVA400 VAH800 VAH1600 VAH2400 VAH3200 VAH4800 VAH6400 VAH2 KVA800 VAH1600 VAH3200 VAH4800 VAH6400 VAH9600 VAH12800 VAH3 KVA1200 VAH2400 VAH4800 VAH7200VAH9600 VAH14400 VAH19200 VAH5 KVA2000 VAH4000 VAH8000 VAH12000 VAH16000 VAH24000 VAH32000 VAH6 KVA2400 VAH4800 VAH9600 VAH14400 VAH19200 VAH28800 VAH38400 VAH7.5 KVA3000 VAH6000 VAH12000 VAH18000 VAH24000 VAH36000 VAH48000 VAH10 KVA4000 VAH8000 VAH16000 VAH24000 VAH32000 VAH48000 VAH64000 VAH15 KVA6000 VAH12000 VAH24000 VAH36000 VAH48000 VAH72000 VAH96000 VAH20 KVA8000 VAH16000 VAH32000 VAH48000 VAH64000 VAH96000 VAH128000 VAH30 KVA12000 VAH24000 VAH48000 VAH72000 VAH96000 VAH144000 VAH192000 VAH40 KVA16000 VAH32000 VAH64000 VAH96000 VAH128000 VAH192000 VAH256000 VAH60 KVA24000 VAH48000 VAH96000 VAH144000 VAH192000 VAH288000 VAH384000 VAH80 KVA32000 VAH64000 VAH128000 VAH192000 VAH256000 VAH384000 VAH512000 VAH100 KVA40000 VAH80000 VAH160000 VAH240000 VAH320000 VAH480000 VAH640000 VAH

### Bid Specific Additional Terms and Conditions

1. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
  - i) The Seller fails to comply with any material term of the Contract.
  - ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
  - iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
  - iv) The Seller becomes bankrupt or goes into liquidation.
  - v) The Seller makes a general assignment for the benefit of creditors.
  - vi) A receiver is appointed for any substantial property owned by the Seller.
  - vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
2. After award of contract - Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 21 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 21 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing- the delivery period shall be refixed without LD for the period of delay in approval of Drawing.
3. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
4. Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
5. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can

match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

6. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

7. 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.
8. The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: ..
9. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
10. Bidder Turn Over Criteria: 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 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.
11. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated 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 OEM 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. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
12. 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.
13. 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.
14. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
15. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
16. The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

17. Bidders can also submit the EMD with Account Payee Demand Draft in favour of AIRPORTS AUTHORITY OF INDIA

payable at JAMMU.

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

18. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of AIRPORTS AUTHORITY OF INDIA payable at JAMMU. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.
19. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
  - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
  - b. Execution certificate by client with order value.
  - c. Any other document in support of order execution like Third Party Inspection release note, etc.
20. 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 3 years 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 primary product having highest value should meet this criterion.
21. Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope FULL SITC PROJECT (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)
22. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid
23. Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name AIRPORTS AUTHORITY OF INDIA Account No. 37365978550 IFSC Code SBIN0011857 Bank Name STATE BANK OF INDIA Branch address SHASTRI NAGAR JAMMU.  
Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.
24. Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name AIRPORTS AUTHORITY OF INDIA Account No. 37365978550 IFSC Code SBIN0011857 Bank Name STATE BANK OF INDIA Branch address SHASTRI NAGAR JAMMU. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.
25. Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide Comprehensive Maintenance Service for next 3 years for the offered products at the rate not more than 20 % of contract price per annum. Buyer reserves the right to enter into a CMC agreement with the Successful Bidder / OEM after expiry of the Warranty period at above mentioned rate and the payment for the CMC charges would be made Quarterly after rendering of the CMC Services of the relevant CMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the CMC contract when called upon by the buyer. CMC would include cost of 3299810 (Upload the undertaking). The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 3% of total CMC value valid up to CMC period plus 2 months (if there is no other claim).

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

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