

Technical evaluation of E-tender no: 2021_AAI_76363_1 was carried out by the duly constituted committee and gist of the report is as follows:

Observations:

It is observed that none of the bidder has filled up the Technical Compliance as per Annexure – VII completely. Most of the bidders have submitted the Annex – XV in a haphazard and incomplete manner. In the corrigendum-5 security threat condition/undertaking were inserted, but so many bidders have not written full text. Some of the bidders have not submitted proper OEM authorisation for NVR, Camera and Switch. Some of the bidders have not submitted proper Make in India (MII) certificate and even not in their letter head and that too without mentioning the percentage of local content. So many annexures have been written by the bidders using AAI logo on the annexures instead of using their own letter head.

Recommendations:

In view of the above, it is recommended that shortfall may be asked from the bidders as follows:

- a) All the bidders should submit the technical compliance a fresh, filling up all the parameters with the value by the vendor for all the items as per Annexure-VII. At first, technical compliance is to be checked for all the bidders and in case any bidder has not filled up all the parameters with the value as per Annexure – VII (in accordance with the corrigendum -5) for all the items on bidder's letter head, then the said bid should not be considered for evaluation further.
- b) All the bidders should submit the security threat undertaking in accordance with the corrigendum-5 in the CCTV (Camera and NVR) OEM's letter head. Otherwise the bid will not be considered for further evaluation.
- c) All the bidders should submit the Undertaking of Neighbouring Bordering Countries as per Annexure - XV in the company letter head.
- d) All the bidders should submit the OEM authorisation letter in r/o NVR, Camera and Switches only as per MAF Format given in Annexure-IV.
- e) All the bidders should submit the Make in India (MII) certificate in bidder's letter head mentioning the percentage of local content. In case it is not applicable to the firm/company for MII, then it should be mentioned that the firm/company is not applied as MII in the bidder's letter head.
- f) As per provision in CPP Portal, shortfall documents may be exercised only once. In case any documents found lapses from bidder side the bid will not be considered for evaluation further. Hence, the bidders are advised to be very serious and careful while submitting the documents. Moreover, in case any documents / undertaking of any bidder found to be fake, then the bidders shall be debarred / blacklisted from AAI.
- g) M/s Carnoustie Security Private Limited should submit valid Consortium documents and EMD declaration Annexure I_B along with all the documents above sl. no. (a) to (e).
- h) M/s E-Vision India Pvt. Ltd should submit the MAF Format addressed to Airports Authority of India (AAI) as per Annex – IV along with all the documents above sl. no. (a) to (e).

- i) M/s Oorja On Move Infra Private Limited should submit EMD declaration as per Annexure I_B along with all the documents above sl. no. (a) to (e).
- j) M/s Quality International Services should submit Work Experience & Completion certificate with proper documents along with all the documents above sl. no. (a) to (e).
- k) M/s TECH SIS LIMITED should submit EMD declaration as per Annexure I_B along with all the documents above sl. no. (a) to (e).
- l) M/s Vihawk Tech Solutions Pvt. LTD should submit Undertaking (Not Blacklisted) as per Annex – V along with all the documents above sl. no. (a) to (e).
- m) M/s Winplus Trading should submit EMD declaration Annexure I_B and Undertaking (Not Blacklisted) as per Annex – V along with all the documents above sl. no. (a) to (e).

Note: All the bidders are advised that all the Annexures, undertaking should be submitted on bidder's letter head and AAI logo should not be used at all.

All the bidders are requested to read the observations and recommendations thoroughly before submitting the shortfall documents.

Above specified documents are to be submitted by the bidders as shortfall very carefully and seriously. Documents of shortfall shall be submitted from (a) to (e) by all the bidders and then specifically mentioned in r/o individual firm/company from (g) to (m) of the recommendations above.

For the convenience of the bidders Annexure – XV, format of the security threat undertaking & Annexure-VII in accordance with the corrigendum-5 and circular of DPIIT is attached herewith.

BID MANAGER

On The letter head of the company

Name of the Work: Supply, Installation, Testing and Commissioning (SITC) of NVR based CCTV System with Two years onsite warranty and Three years CAMC at Air Cargo Terminal LGBI Airport Guwahati.

E-tender no: 2021_AAI_76363

Undertaking by the Bidder

1. I.....(Bidder) certify that I have read the clauses of Govt. of India Notification issued vide Memorandum **F.No. 6/18/2019-PPD dated 23rd July, 2020 by Ministry of Finance, Department of Expenditure, Public Procurement Division**, subject: Insertion of Rule 144(xi) in the GFR 2017 regarding restrictions on procurement from a bidder of a country which shares land border with India.
2. I hereby certify that this firm M/s.....(Bidder) is not from such a country or the store/item/part/subpart being supplied by Bidder from OEM of such country and is eligible to be considered. The definition of the bidder which shares land borders means and I fully understand as:
 - a. An entity incorporated established, or registered in such a country: or
 - b. A subsidiary of an entity incorporated, established, or registered in such a country or
 - c. An entity substantially controlled through entities incorporated, established, or registered in such a country or
 - d. An entity whose beneficial owner is situated in such a country
 - e. An Indian (or other) agent of such a country or
 - f. A natural person who is citizen of such a country or
 - g. A Consortium or a joint venture where any member of the consortium or joint venture falls under any of the above
3. I also certify to share all details of the same as asked by the buyer (Airports Authority of India, Guwahati Airport) and also certify that if my bid is accepted and found to be false, this would be ground for immediate termination of contract and further legal action will be taken as per the law.

Signature of Bidder:

Name:

Telephone/Fax:

E-mail:

Stamp:

[security threat undertaking in accordance with the corrigendum-5](#)

On The letter head of the CCTV(Camera and NVR) OEM

Name of the Work: Supply, Installation, Testing and Commissioning (SITC) of NVR based CCTV System with Two years onsite warranty and Three years CAMC at Air Cargo Terminal LGBI Airport Guwahati.

E-tender no: 2021_AAI_76363

Undertaking by the CCTV OEM (Camera and NVR)

CCTV OEM --- note that any component /hardware / parts / assembly / software including firmware used in the offered solution (hardware/ software) should NOT conform to GB28181, GB/T 28181-2011; GB/T28181-2016; GBT 28181-2011; GBT 28181-2016 and similar GB standards related to breach. Offered make/model shall not be identified by NIST/CERT organisations for vulnerability to security threats.

Signature of CCTV OEM :

Name:

Telephone/Fax:

E-mail:

Stamp:

Technical Compliance Status

(Scanned copy of filled up & duly signed format below must be enclosed in Envelope 1)

2MP Network Bullet Camera:				
Offered Make & Model :				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Camera Type	Varifocal Bullet Camera - 2MP		
2.	Edge Storage	MicroSD/microSDHC/microSDXC slot supporting memory card for min. 128 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD card based recordings to network storage.		
3.	Image Sensor	1/2.8 inch Progressive Scan CMOS		
4.	Resolution	Min. 1920 ×1080 at 30fps or better atleast in one Stream		
5.	Compression	H.264,H.265		
6.	Streaming	Min. three Stream (Individually Configurable)		
7.	Alarm	1 input, 1 output		
8.	Video Authentication	For video authentication, watermarks/digital signature must be embedded in Video Stream from CAMERA/NVR/VMS along with name, time, date stamped which cannot be tampered		
9.	Physical Layer	1 RJ45 10M/100M self-adaptive Ethernet port		
10.	Protocol	Minimum TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6.		
11.	Open Protocol	Onvif - S&G		
12.	Lens Type	upto 12 mm, varifocal, Motorized with auto focus, Auto Iris-DC Drive		
13.	Digital Noise Reduction	Available / Support		
14.	Slow Shutter	Support OPTIONAL		
15.	Antiflicker	Support OPTIONAL		
16.	Illumination	Color: 0.01Lux @ (F1.2, AGC ON), 0 Lux with IR		
17.	IR Range	Up to 50 m		

18.	Auto Gain Control	Support		
19.	Back Light Compensation	Yes		
20.	Electronic Shutter	DELETED		
21.	White Balance	Yes		
22.	Wide Dynamic Range	120dB		
23.	Day and Night	Yes (as per minimum illumination)		
24.	Operating Temperature	-10°C to 60°C Working Humidity ≤ 90%		
25.	Housing	IP66, IK10 or better		
26.	Edge based video content Analytics	Line crossing detection, intrusion detection, Motion Detection, Video tampering, Face Detection, Unattended baggage detection, Object removal detection, Scene change detection, Audio exception detection (INBUILT/EXTERNAL)		
27.	Power Supply	PoE support		
28.	Certification	UL, CE, FCC, BIS		

2MP Network Dome Camera: Offered Make & Model :				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Camera Type	Varifocal Dome Camera - 2MP		
2.	Edge Storage	MicroSD/microSDHC/microSDXC slot supporting memory card for min. 128 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD card based recordings to network storage.		
3.	Image Sensor	1/2.8 inch Progressive Scan CMOS		
4.	Resolution	Min. 1920 ×1080 at 30fps or better atleast in one Stream		
5.	Compression	H.264,H.265		
6.	Streaming	Min. three Stream (Individually Configurable)		
7.	Alarm	1 input, 1 output		
8.	ID/Password	Multi-level user ID/Password		

9.	Physical Layer	1 RJ45 10M/100M self-adaptive Ethernet port		
10.	Protocol	Minimum TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6.		
11.	Open Protocol	Onvif - S&G		
12.	Lens Type	Upto 12 mm, varifocal, Motorized with auto focus, Auto Iris-DC Drive		
13.	Digital Noise Reduction	Available / Support		
14.	Slow Shutter	Support OPTIONAL		
15.	Illumination	Color: 0.01Lux @ (F1.2, AGC ON), 0 Lux with IR		
16.	IR Range	Up to 40 m		
17.	Auto Gain Control	Support		
18.	Back Light Compensation	Yes		
19.	Electronic Shutter	DELETED		
20.	White Balance	Yes		
21.	Wide Dynamic Range	120dB		
22.	Day and Night	Yes (as per minimum illumination)		
23.	Operating Temperature	-10°C to 60°C Working Humidity ≤ 90%		
24.	Housing	IP66, IK10 or better		
25.	Edge based video content Analytics	Line crossing detection, intrusion detection, Motion Detection, Video tampering, Face Detection, Unattended baggage detection, Object removal detection, Scene change detection, Audio exception detection (INTERNAL/EXTERNAL)		
26.	Power Supply	PoE support		
27.	Certification	UL, CE, FCC, BIS		

The following are the technical parameters for the 2MP PTZ Camera Offered Make & Model :				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Camera Type	PTZ (Pan, Tilt, Zoom) - 2MP		
2.	Edge Storage	MicroSD/microSDHC/ microSDXC slot supporting memory card for min. 128 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically pulled by the network storage recorder such that no manual intervention is required to transfer the SD card-based recordings to network storage.		
3.	Image Sensor	1/2.8 inch Progressive Scan CMOS or better		
4.	Resolution	2 MP (1920 x 1080) at 25 FPS or better		
5.	Compression	H.265, H.264		
6.	Streaming	Min. Triple compressed stream (Individually Configurable)		
7.	Security	User Authentication, IP Address filtering		
8.	Physical Layer	1 RJ45 10M/100M Ethernet Interface		
9.	Protocol	Minimum IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE		
10.	Open Protocol	ONVIF - S&G		
11.	System Update	Remote system update over Network using web client		
12.	Lens Type	Optical zoom ; 30x or better		
13.	Noise Reduction	3D		
14.	Optical Defog	Support		
15.	Illumination	Colour: 0.005 lux, F1.6 or better B/W: 0.001 lux, F1.6, 0 Lux with IR		
16.	IR Distance	Up to 150m		
17.	Auto Gain Control	Yes		
18.	Back Light Compensation	Yes		
19.	Electronic Shutter	DELETED		
20.	White Balance	Auto/Manual		
21.	Wide Dynamic Range	120dB WDR		
22.	Day and Night	Support ICR		
23.	Pan, Tilt	Pan : 360° endless, Tilt From -15° to 90° (auto-flip) / 1-180° (auto-flip)		

24.	Speed	Pan Manual Speed: 0.1°/s to 160°/s, Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s		
25.	Auto Tracking	Support		
26.	Housing	IP66		
27.	Operating Temperature	-10°C to 60°C Working Humidity ≤ 90%		
28.	Power Source	PoE Support		
29.	Certification	UL, CE, FCC, BIS		

ANPR Camera:				
Offered Make & Model :				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Camera Type	ANPR Camera - 2MP		
2.	Active Pixels	1920×1080		
3.	Image Sensor Type	1/2.8 or 1/1.8 inch Progressive Scan CMOS/CCD		
4.	Shutter Speed	DELETED		
5.	WDR	120dB Min.		
6.	Noise Reduction	3D		
7.	IR Range	50m or better		
8.	Video Compression	H.265, H.264		
9.	Video Stream	Required		
10.	Edge Storage	MicroSD slot supporting memory card for min. 128 GB In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically pulled by the network storage recorder such that no manual intervention is required to transfer the SD card based recordings to network storage.		
11.	Open Protocol	Onvif - S&G		
12.	Built in Analytics	License plate recognition, Vehicle type classification, color identification, no-plate vehicle capture, ANPR SW should be friendly with VMS (CAMERA/ SERVER BASED)		
13.	Trigger Alarm	IP address conflicted, network disconnected		
14.	Security	Password Protection, HTTPS encryption		
15.	Communication Interface	1 RJ45 10M/100M/1000MEthernet port		

16.	Alarm	Input, Output Alarm - Available		
17.	Temperature Range	-10°C to 60°C Working Humidity ≤ 90%		
18.	Power Supply	Camera Specific		
19.	Housing	IP67, IK10		
20.	Certificate	UL, CE, FCC, BIS		

64 Channel NVR with RAID feature Offered Make & Model :				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	IP video input	64 ch upto 8MP resolution supported		
2.	Incoming bandwidth	Min. 300 Mbps		
3.	Outgoing bandwidth	Min. 200 Mbps		
4.	Recording resolution	Upto 8MP		
5.	Video o/p interfaces	2 HDMI Port; at least 1 HDMI port supporting 4K resolution 1 VGA Port supporting 2K resolution		
6.	Audio o/p	1 ch		
7.	Compression technique	H.265,H.264		
8.	Live view/Playback resolution	Upto 8MP resolution		
9.	Synchronous playback	Up to 16 channel		
10.	Smart Playback function	Should support Smart search for the selected area in the video and smart playback to improve the playback efficiency		
11.	VCA	Should support multiple Video Content Analytics		
12.	SATA interfaces	16 SATA interfaces with each supporting atleast 8 TB, should support ANR technology		
13.	Storage	90 TB (INBUILT/EXTERNAL)		
14.	Power supply	Should Supports redundant power supply to improve the system stability		
15.	RAID arrays	RAID 0 / RAID 1 / RAID 5 / RAID 10		
16.	Hot spare function	Should support N+1 hotspare function		
17.	Network interfaces	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface		
18.	Open Protocol	Onvif - S&G		
19.	Serial inetrfaces	Keyboard		
20.	USB interface	2 × USB connectors, with atleast 1 USB 3.0		
21.	Power supply	100 to 240 VAC, 50 to 60 Hz, Dual Power, Redundant		
22.	Working temperature	0 °C to 40 °C		

23.	Working humidity	10 to 90 %		
24.	Certification	UL, CE, FCC, BIS		

16 Port POE Switch Offered Make & Model :			Value by the Vendor	Compliance Yes/No
1	POE port	16 × PoE ports and 2 × gigabit fiber optical ports (10/100/1000 Mbps)		
2.	Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z		
3.	Forwarding mode	Store-and-forward switching		
4.	MAC address Table	8 K		
5.	Switching capacity	36 Gbps or more		
6.	Packet forwarding rate	29.76 Mpps or more		
7.	Long Range Transmission	DELETED		
8.	PoE port	Ports 1 to 16		
9.	PoE power budget	150 W or more		
10.	PoE watchdog	Should support		
11.	Protection Level	6 KV surge protection		
12.	Operating temperature	0 °C to 40 °C		
13.	Operating humidity	5% to 95%		
14.	Storage humidity	5% to 95%		
15.	Power supply	100 to 240 VAC		
16.	Certificates	CE,FCC, UL, BIS		
24 Port HI-POE Switch for PTZ Cameras & Normal POE Enabled Cameras Offered Make & Model :				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	POE port	24 × PoE ports and 2 × gigabit fiber optical ports (10/100/1000 Mbps)		
3.	Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z		
4.	Forwarding mode	Store-and-forward switching		
5.	MAC address Table	8 K		
6.	Switching capacity	56 Gbps or more		
7.	Packet forwarding rate	41.664 Mpps or more		
9.	PoE port	Ports 1 to 24		

10.	PoE power budget	370 W or more		
11.	PoE watchdog	Should support		
12.	Protection Level	6 KV surge protection		
13.	Operating temperature	-10 °C to 55 °C		
14.	Operating humidity	5% to 95%		
15.	Storage humidity	5% to 95%		
16.	Power supply	100 to 240 VAC		
17.	Certificates	CE,FCC, UL,BIS		

4K resolution 55" Monitor For Camera viewing				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Backlight	LED		
2.	Screen Size	54 - 55 inch		
3.	Panel	IPS panel		
2.	Max Resolution	3840 * 2160		
3.	Brightness	400 cd/m ² (Typ.)		
4.	Contrast	1200:1		
3.	Response Time	8ms		
4.	Color	1.07billion		
5.	Audio Input/Output	1, 3.5 mm mini-jack IN/OUT		
4.	Viewing Angle	Horizontal 178°, Vertical 178°		
5.	Interface Input	HDMI×2, USB×2, RS232 x1, LAN x 1, AUDIO IN/OUT 1		
6.	Loudspeaker	8W ×2		
5.	Power Supply	AC100 ~ 220V, 50 / 60Hz		
6.	High reliable components for 7×24 working	Should support		
7.	Wall Mount Bracket	Should Supply Wall Mount Bracket		
6.	Operating temperature	0°C ~ 40 °C		
7.	Operating Humidity	20% - 80%RH (No Condensation)		
8.	Certificates	UL,CE,FCC		

4K resolution 42" Monitor For Camera viewing				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Backlight	D-LED		
2.	Screen Size	42 - 44 inch		
3.	Panel	IPS panel		
4.	Max Resolution	3840 * 2160		
5.	Brightness	400 cd/m ² (Typ.)		
6.	Contrast	1200:1		
7.	Response Time	8ms		

8.	Colour	1.07billion		
9.	Audio Input/Output	1, 3.5 mm mini-jack IN/OUT		
10.	Viewing Angle	Horizontal 178°, Vertical 178°		
11.	Interface Input	HDMI×2, USB×2, RS232 x1, LAN x 1, AUDIO IN/OUT 1		
12.	Loudspeaker	8W ×2		
13.	Power Supply	AC100 ~ 220V, 50 / 60Hz		
14.	High reliable components for 7×24 working	Should support		
15.	Wall Mount Bracket	Should Supply Wall Mount Bracket		
16.	Operating temperature	0°C ~ 40 °C		
17.	Operating Humidity	20% - 80%RH (No Condensation)		
18.	Certificates	UL,CE,FCC		

WORKSTATION WITH PREINSTALLED VIEWING LICENSE Offered Make & Model :				
S. No.	Features	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Workstation	Workstation for Live view and Playback		
2.	License	Pre-Installed VMS with Web Client & Control Client (Minimum 128 Nos of License). Camera & VMS should be from the same OEM. Should also include LPR License for Viewing and Gathering License PLATE Information		
3.	Processor	Intel® Core™ i5-8500 (6 Cores/9MB/6T/up to 4.1GHz/65W)		
4.	Operating System	Windows 10 IoT Enterprise (64-bit)		
5.	Memory	1X8GB 2666MHz DDR4 UDIMM or better		
6.	Graphics Card	NVIDIA GeForce® GTX 1050, 2GB		
7.	Storage	3.5 inch 1TB 7200rpm Enterprise SATA Hard Disk Drive		
8.	NIC	Integrated Intel I219-LM Ethernet LAN 10/100/1000 or better		
9.	Chipset	Intel® Q370 Chipset		
10.	I/O Ports	1 x RJ-45, 2 x Display port, 1 x Serial, 2 x PS/2, 1 x HDMI, 1 x DVI		
11.	USB	10 External USB		
12.	DVD	8x DVD+/-RW 9.5mm ODD		
13.	Form Factor	Tower		

14.	Power Supply	360W typical 90% Efficient PSU (80 PLUS Bronze);		
15.	Certification	CE,FCC,UL,		
16.	Monitor	19" LED Monitor		

Point to Point Wi-Max			
Sr. No.	Required Specifications	Value by the Vendor	Compliance Yes/No
1.	Topology: System should be able to perform as point-to-point link		
2.	Frequency Range: WPC license free band (4.9 - 6 GHz)		
3.	Channel Bandwidth: 20 MHz or 40MHz		
4.	Channel spacing: Shall be configurable on 5MHz increments 10/20/40/80 MHz		
5.	Architecture: 22 dBi or higher Integrated Antenna to provide coverage for more than 5 KM		
6.	VLANSupport: based on IEEE 802.1q		
7.	LAN Interface: 10/100/1000 Base-T		
8.	Encryption: 128 bit AES or better		
9.	Throughput: System must deliver actual/usable aggregate throughput of at least 1 Gbps		
10.	Protocol: should support 1Pv4, UDP,TCP, IP, ICMP, SNMPv1, HTTP		
11.	Management: System should have support of Network management with HTTP, SNMPv1 or higher		
12.	Ethernet Latency: < 3ms		
13.	Protection: Shall support IP 65 or better		
14.	Operating Temperature: -10°C to 50°C Outdoor.		
15.	Power via PoE		
16.	CE,FCC, UL,BIS		

5KVA UPS (UPS one Pair along with the feature for redundant operation) Offered Make & Model :				
Sr. No.	Parameter	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Rating	5KVA or Higher		
2.	Type	Online Microprocessor controlled IGBT based high frequency		
3.	Input	230V AC +/- 10%		
4.	Output	230V AC +/- 1 %		
5.	Frequency	50Hz +/- 0.3%		

6.	Battery	Maintenance Free for 30 Min Backup		
7.	Total harmonic dist.	less than 2.5% for linear load		
8.	Display Metering	Input AC Voltage, UPS output voltage, UPS output current, UPS output frequency		
9.	Display Indication	AC Mains "ON", UPS "ON", Overloaded		
10.	Alarms(visual and potential free contact)	DC Under Voltage (Low battery), UPS Overload/Common trouble alarm		
11.	Testing standards	Safety: IEC/EN 62040-1-1		
12.	Surge Protection standard	SURGE : IEC/EN 61000-4-5		
13.	Noise standard	EMI: Conducted Emission (Category C3) IEC/EN 62040-2, Radiated Emission IEC/EN 62040-2		
14.	Other Standards	EMS : (Level 4), ESD - IEC/EN 61000-4-2, RS - IEC/EN 61000-4-3, Power-frequency Magnetic field - IEC/EN 61000-4-8, Low Frequency Signals - IEC/EN 61000-2-2		
15.	BIS	Yes		
16.	Quality standard	Yes		
17.	Environment standard	Yes		
18.	IT security management	Yes		
19.	NABL Approved test report	Yes		

Cat6 UTP Cable				
Offered Make & Model :				
Sr. No.	Specification	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Cate 6 cable conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes		
2.	Cable category: Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair or Category 6 Shielded /Foiled Twisted Pair	CAT6 U/UTP		
3.	Conductor diameter	0.57 mm (23 AWG)		
4.	Conductor count (in Nos.,)	8		
5.	Length of cable in a bundle (Mtrs)	305 mtrs.		

6.	Conductor Material	Bare Copper		
7.	Conductor Insulation Material	Polyethylene		

18U Floor Standing Rack				
Offered Make & Model :				
Sr. No.	Specification	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Type of Server Racks	Portable Racks		
2.	Size of Server Rack Enclosure	18U		
3.	Depth of the Rack (mm)	Upto 1000		
4.	Mount Type	Free-Standing		
5.	Front glass Door	Yes		
6.	Type of glass used in front door	Transparent Toughened Glass		
7.	Material used for rear door	CRCA Steel		
8.	Side Panels With Key Locks and Slam Latch	Yes		
9.	Secure Locks	Available		
10.	Rear split door design	Yes		
11.	Keyboard Tray Sliding and Rotary	Yes		
12.	Shelf For CRT/TFT Display	Yes		
13.	Cable channel in rear side for cable management	Yes		
14.	Support cable entry from top or bottom	Yes		
15.	Vertical & Horizontal managers	Yes		
16.	Numbers of Rack trays	1		
17.	Number of Fan For Heat dissipation (nos)	4		
18.	Number of fan trays	1		
19.	Heavy Duty Caster Wheels	Yes		
20.	If yes, then Front Break Options	Available		
21.	Load Bearing Capacity (Kgs)	120 kilogram or More		
22.	If Wall mount racks then Swing-Out Racks	Not Available		
23.	Dust or water resistant	Yes		
24.	PDU Power Strips	Available		

9U Wall Mount Rack				
Offered Make & Model :				
Sr. No.	Specification	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Type of Server Racks	Portable Racks		
2.	Size of Server Rack Enclosure	9U		
3.	Depth of the Rack (mm)	Upto 500		
4.	Mount Type	Wall mount		

5.	Front glass Door	Yes		
6.	Type of glass used in front door	Transparent Toughened Glass		
7.	Material used for rear door	CRCA Steel		
8.	Secure Locks	Available		
9.	Keyboard Tray Sliding and Rotary	Yes		
10.	Shelf For CRT/TFT Display	Yes		
11.	Support cable entry from top or bottom	Yes		
12.	Vertical & Horizontal managers	Yes		
13.	Numbers of Rack trays	1		
14.	Number of Fan For Heat dissipation (nos)	2		
15.	Number of fan trays	1		
16.	Load Bearing Capacity (Kgs)	60 kilogram		
17.	Dust or water resistant	Yes		
18.	PDU Power Strips	Available		

Pole				
Offered Make & Model :				
Sr. No	Specification	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Length of the pole	15 Ft, 4 Inch Dia, 4mm thickness		
2.	Material	GI		
3.	Standard	ISI		
4.	Mounting	To be grounded in concrete Structure in the ground Self-supporting		

Cat6 UTP Patch Panel				
Offered Make & Model :				
Sr. No.	Specification	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes		
2.	Material of patch panel	Cold rolled steel		
3.	Modular plug fitting (RJ 45)	Non individual ports		

4.	Plug insertion durability	≥ 750 mating cycle		
5.	Holder for connector / module	Yes		
6.	CAT 6 patch Panel conforming to ANSI/TIA/EIA-568 C.2 latest or ISO/IEC:11801 latest	Yes		
7.	Patch panel suitability for (Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair)	CAT 6 U/UTP		
8.	Height of patch panel	1 U		
9.	No. of ports (RJ 45)	24 Ports Loaded		

UTP Patch Cord 1 Mtr				
Sr. No.	Specification	Required Specification	Value by the Vendor	Compliance Yes/No
1.	Cate 6 patch cord conforming to ANSI/TIA/EIA-568 C.2 or ISO/IEC:11801 latest	Yes		
2.	Patch cord type : Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair	CAT6 U/UTP		
3.	Conductor diameter	24 to 26 AWG		
4.	Length of Patch cord (Mtrs)	1		
5.	Applications: 0BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3) , 100VG-AnyLAN (IEEE802.12), 250 MHz Broadband Video, Voice, T1, ISDN, 155/ 622 Mbps ATM , Power over Ethernet (POE, POE+, 4 PPOE)	Yes		
6.	Modular plug	RJ45		
7.	Plug insertion durability	≥ 750 mating cycles"		
8.	Conductor Material	Stranded copper		
9.	Conductor Insulation Material	Polyethelene		

F.No.6/18/2019-PPD
Ministry of Finance
Department of Expenditure
Public Procurement Division

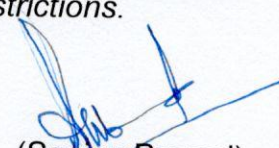
161, North Block,
New Delhi
23rd July, 2020

Office Memorandum

Subject: Insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017

Rule 144 of the General Financial Rules 2017 entitled 'Fundamental principles of public buying', has been amended by inserting sub-rule (xi) as under:

Notwithstanding anything contained in these Rules, Department of Expenditure may, by order in writing, impose restrictions, including prior registration and/or screening, on procurement from bidders from a country or countries, or a class of countries, on grounds of defence of India, or matters directly or indirectly related thereto including national security; no procurement shall be made in violation of such restrictions.


(Sanjay Prasad)
Joint Secretary (PPD)
Email ID: js.pfc2.doe@gov.in
Telephone: 011-23093882

To,

- (1) Secretaries of All Ministries/ Departments of Government of India
- (2) Chief Secretaries/ Administrators of Union Territories/ National Capital Territory of Delhi



F.No.6/18/2019-PPD
Ministry of Finance
Department of Expenditure
Public Procurement Division

161, North Block,
New Delhi
23rd July, 2020

Order (Public Procurement No. 1)

Subject: Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017

Attention is invited to this office OM no. 6/18/2019-PPD dated 23rd July 2020 inserting Rule 144 (xi) in GFRs 2017. In this regard, the following is hereby ordered under Rule 144 (xi) on the grounds stated therein:

Requirement of registration

1. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority, specified in **Annex I**.
2. This Order shall not apply to (i) cases where orders have been placed or contract has been concluded or letter/notice of award/ acceptance (LoA) has been issued on or before the date of this order; and (ii) cases falling under **Annex II**.

Transitional cases

3. Tenders where no contract has been concluded or no LoA has been issued so far shall be handled in the following manner: -
 - a) *In tenders which are yet to be opened, or where evaluation of technical bid or the first exclusionary qualificatory stage (i.e. the first stage at which the qualifications of tenderers are evaluated and unqualified bidders are excluded) has not been completed: No contracts shall be placed on bidders from such countries. Tenders received from bidders from such countries shall be dealt with as if they are non-compliant with the tender conditions and the tender shall be processed accordingly.*
 - b) *If the tendering process has crossed the first exclusionary qualificatory stage: If the qualified bidders include bidders from such countries, the*

entire process shall be scrapped and initiated *de novo*. The *de novo* process shall adhere to the conditions prescribed in this Order.

- c) As far as practicable, and in cases of doubt about whether a bidder falls under paragraph 1, a certificate shall be obtained from the bidder whose bid is proposed to be considered or accepted, in terms of paras 8, 9 and 10 read with para 1 of this Order.

Incorporation in tender conditions

- 4. In tenders to be issued after the date of this order, the provisions of paragraph 1 and of other relevant provisions of this Order shall be incorporated in the tender conditions.

Applicability

- 5. Apart from Ministries / Departments, attached and subordinate bodies, notwithstanding anything contained in Rule 1 of the GFRs 2017, this Order shall also be applicable
 - a. to all Autonomous Bodies;
 - b. to public sector banks and public sector financial institutions; and
 - c. subject to any orders of the Department of Public Enterprises, to all Central Public Sector Enterprises; and
 - d. to procurement in Public Private Partnership projects receiving financial support from the Government or public sector enterprises/ undertakings.
 - e. Union Territories, National Capital Territory of Delhi and all agencies/ undertakings thereof

Definitions

- 6. "Bidder" for the purpose of this Order (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.
- 7. "Tender" for the purpose of this Order will include other forms of procurement, except where the context requires otherwise.
- 8. "Bidder from a country which shares a land border with India" for the purpose of this Order means

- a) An entity incorporated, established or registered in such a country; or
- b) A subsidiary of an entity incorporated, established or registered in such a country; or
- c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d) An entity whose *beneficial owner* is situated in such a country; or
- e) An Indian (or other) agent of such an entity; or
- f) A natural person who is a citizen of such a country; or
- g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

9. "Beneficial owner" for the purpose of paragraph 8 above will be as under:

- (i) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

Explanation—

- a. "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;
- b. "Control" shall include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

- (ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

- (iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

- (iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

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(v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

10. "Agent" for the purpose of this Order is a person employed to do any act for another, or to represent another in dealings with third persons.

Sub-contracting in works contracts

11. In works contracts, including turnkey contracts, contractors shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority. The definition of "contractor from a country which shares a land border with India" shall be as in paragraph 8 above. This shall not apply to sub-contracts already awarded on or before the date of this Order.

Certificate regarding compliance

12. A certificate shall be taken from bidders in the tender documents regarding their compliance with this Order. If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.

Validity of registration

13. In respect of tenders, registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution.

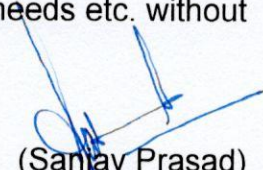
Government E-Marketplace

14. The Government E-Marketplace shall, as soon as possible, require all vendors/ bidders registered with GeM to give a certificate regarding compliance with this Order, and after the date fixed by it, shall remove non-compliant entities from GeM unless/ until they are registered in accordance with this Order.

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Model Clauses/ Certificates

15. Model Clauses and Model Certificates which may be inserted in tenders / obtained from Bidders are enclosed as **Annex III**. While adhering to the substance of the Order, procuring entities are free to appropriately modify the wording of these clauses based on their past experience, local needs etc. without making any reference to this Department.


(Sanjay Prasad)
Joint Secretary (PPD)
Email ID: js.pfc2.doe@gov.in
Telephone: 011-23093882

To

- (1) Secretaries of All Ministries/ Departments of Government of India for information and necessary action. They are also requested to inform these provisions to all procuring entities.
- (2) Secretary, Department of Public Enterprises with a request to immediately reiterate these orders in respect of Public Enterprises.
- (3) Secretary DPIIT with a request to initiate action as provided under Annex I
- (4) Chief Secretaries/ Administrators of Union Territories/ National Capital Territory of Delhi

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Annex I: Competent Authority and Procedure for Registration

- A. The Competent Authority for the purpose of registration under this Order shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT)*.
- B. The Registration Committee shall have the following members*:
- i. An officer, not below the rank of Joint Secretary, designated for this purpose by DPIIT, who shall be the Chairman;
 - ii. Officers (ordinarily not below the rank of Joint Secretary) representing the Ministry of Home Affairs, Ministry of External Affairs, and of those Departments whose sectors are covered by applications under consideration;
 - iii. Any other officer whose presence is deemed necessary by the Chairman of the Committee.
- C. DPIIT shall lay down the method of application, format etc. for such bidders as stated in para 1 of this Order.
- D. On receipt of an application seeking registration from a bidder from a country covered by para 1 of this Order, the Competent Authority shall first seek political and security clearances from the Ministry of External Affairs and Ministry of Home Affairs, as per guidelines issued from time to time. Registration shall not be given unless political and security clearance have both been received.
- E. The Ministry of External Affairs and Ministry of Home Affairs may issue guidelines for internal use regarding the procedure for scrutiny of such applications by them.
- F. The decision of the Competent Authority, to register such bidder may be for all kinds of tenders or for a specified type(s) of goods or services, and may be for a specified or unspecified duration of time, as deemed fit. The decision of the Competent Authority shall be final.
- G. Registration shall not be granted unless the representatives of the Ministries of Home Affairs and External Affairs on the Committee concur*.
- H. Registration granted by the Competent Authority of the Government of India shall be valid not only for procurement by Central Government and its agencies/ public enterprises etc. but **also for procurement by State Governments and their agencies/ public enterprises etc. No fresh registration at the State level shall be required.**

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- I. The Competent Authority is empowered to cancel the registration already granted if it determines that there is sufficient cause. Such cancellation by itself, however, will not affect the execution of contracts already awarded. Pending cancellation, it may also suspend the registration of a bidder, and the bidder shall not be eligible to bid in any further tenders during the period of suspension.
- J. For national security reasons, the Competent Authority shall not be required to give reasons for rejection / cancellation of registration of a bidder.
- K. In transitional cases falling under para 3 of this Order, where it is felt that it will not be practicable to exclude bidders from a country which shares a land border with India, a reference seeking permission to consider such bidders shall be made by the procuring entity to the Competent Authority, giving full information and detailed reasons. The Competent Authority shall decide whether such bidders may be considered, and if so shall follow the procedure laid down in the above paras.
- L. Periodic reports on the acceptance/ refusal of registration during the preceding period may be required to be sent to the Cabinet Secretariat. Details will be issued separately in due course by DPIIT.

[*Note:

- i. In respect of application of this Order to procurement by/ under State Governments, all functions assigned to DPIIT shall be carried out by the State Government concerned through a specific department or authority designated by it. The composition of the Registration Committee shall be as decided by the State Government and paragraph G above shall not apply. However, the requirement of **political and security clearance as per para D shall remain and no registration shall be granted without such clearance.**
- ii. Registration granted by State Governments shall be valid only for procurement by the State Government and its agencies/ public enterprises etc. and shall not be valid for procurement in other states or by the Government of India and their agencies/ public enterprises etc.]

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Annex II: Special Cases

- A. Till 31st December 2020, procurement of medical supplies directly related to containment of the Covid-19 pandemic shall be exempt from the provisions of this Order.
- B. *Bona fide* procurements made through GeM without knowing the country of the bidder till the date fixed by GeM for this purpose, shall not be invalidated by this Order.
- C. *Bona fide* small procurements, made without knowing the country of the bidder, shall not be invalidated by this Order.
- D. In projects which receive international funding with the approval of the Department of Economic Affairs (DEA), Ministry of Finance, the procurement guidelines applicable to the project shall normally be followed, notwithstanding anything contained in this Order and without reference to the Competent Authority. Exceptions to this shall be decided in consultation with DEA.
- E. This Order shall not apply to procurement by Indian missions and by offices of government agencies/ undertakings located outside India.

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Annex III

Model Clause /Certificate to be inserted in tenders etc.

(While adhering to the substance of the Order, procuring entities and GeM are free to appropriately modify the wording of the clause/ certificate based on their past experience, local needs etc.)

Model Clauses for Tenders

- I. 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.
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -
 - a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose *beneficial owner* is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- IV. The *beneficial owner* for the purpose of (iii) above will be as under:
 1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation—

 - a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;

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- b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
- VI. *[To be inserted in tenders for Works contracts, including Turnkey contracts]* The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Model Certificate for Tenders (for transitional cases as stated in para 3 of this Order)

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such a country and is eligible to be considered."

Model Certificate for Tenders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the

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Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Model Certificate for Tenders for Works involving possibility of sub-contracting

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Model Certificate for GeM:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this vendor/ bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this vendor/ bidder fulfills all requirements in this regard and is eligible to be considered for procurement on GeM. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

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