



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

विमानपत्तन निदेशक का कार्यालय
O/o. AIRPORT DIRECTOR
लो. गो. ब. अं. हवाई अड्डा, गुवाहाटी - 781015 (असम)
LGBl. AIRPORT, GUWAHATI-781015 (ASSAM)

कार्यालय टिप्पणी/OFFICE NOTE

प्राप्तवली सं. :
FILE NO. :

दिनांक :
DATE :

PQA evaluation report is prepared and attached. Both the parties submitted all documents and they are in order. Submitted please.

CNS-Incharge

for n/a action.

J. K. CHOUHARY
AGM-AS
20/4/20

AGM (CNS) - Sh. R. K. B

Suresh D
21/4/2020

Suresh Kr. D
at CPP portal

PQA evaluation sheet uploaded and downloaded technical evaluation documents. All the documents sent on sunilbagonda@gmail.com. Now technical evaluation is to be carried out. Submitted please.

21/04/2020

Rishi Kant Bhangal
AGM(CNS)

JGM(CNS)

Committee members as on N/A may please evaluate technical bid

Suresh D
21/4/2020

AGM (AS) Evaluation of technical bid completed. Report is attached with file.

Suresh Kr. D

JGM(CNS) Submitted please.

25/5/2020

May confirm the bid qualification status. Short fall documents if any may be specified, so that it can be sought from Vendors.

Suresh D
26/5/2020
Suresh K.D

DGM (AS)

Pl. refer the report already submitted.

- 1) Bid qualification status of M/S Asra Enterprises is already mentioned in the submitted report.
 - 2) Bid qualification status of M/s Lenitech Service Group can not be decided till the verification of all parameters/specifications which are not submitted. Parameters/specifications with remarks "not mentioned" or "nothing mentioned" are to be sought from vendors for verification.
- Submitted please

CNS-Incharge

For m/a please.

T.K. WISHU
01/06/2020
(T.K. WISHU)
DGM (AS).

Suresh D
11/6/2020
Suresh K.D

AGM (CNS) - Sh. R.K.B.

Shortfall asked from the vendors (Page-201/c).

AGM (CNS)

Suresh D
31/6/2020
Suresh.

Rishi Kant Bhangal
02/06/2020
AGM (CNS)

AGM (CNS) - Sh. R.K.B.

— N/17 —



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

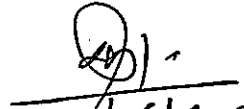
विमानपत्तन निदेशक का कार्यालय
O/o. AIRPORT DIRECTOR
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LGBI. AIRPORT, GUWAHATI- 781015 (ASSAM)

कार्यालय टिप्पणी/OFFICE NOTE

प्रात्रवली सं. :
FILE NO. :

दिनांक :
DATE :

Shortfall documents forwarded to
Airport Systems (Page - 292/c). Final technical
evaluation is to be done on the basis
of previously submitted documents and
shortfall documents.
Submitted please.


18/06/2020

Rishi Kant Bhowmik
AGM(CNS)

~~IGM(CNS)~~

Forwarded for review of shortfall
documents


18/6/2020

~~DGM (AS)~~ Sh. T. K. Gosh. Surcel K. D.

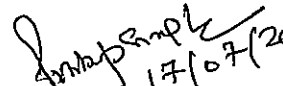
Review of shortfall documents are checked
and report is attached for necessary action.

~~CNS-Incharge~~


15/07/2020

Report does not have signature of third
committee member. Cleared recommendation is not there
in the report whether the bidder is qualified or
not. For necessary action please.

Tarun Ghose - DGM (AS)


17/07/2020
CNS Incharge.

Report signed by all members is attached.

As per present status, M/S Unitech Services Group
not submitted all required documents.

Hence M/S Unitech Services Group may not be considered
as technically qualified.

CNS - Incharge

- N/18 -

Can not be considered qualified. Hence
tender may be cancel and reprocessed.

R.K. Bangwal AEMCENS)

Incharge
CNS Incharge
27/07/2020

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Project: Installation of CCTV System at Cargo, Guwahati Airport

Unitech Services Group

S.No.	Eligibility Criteria	Doc Uploaded (Yes/No)
1.	Letter indicating the capacity and authority of individual digitally signing tender documents	Complied (Submitted on 19/06/2020)
2.	Legal Status of Bidder as per Sec A: Copy of Certificate of Registration under Shop & Establishment Act or Registrar of Firms or Companies Act / Partnership Deed/Memorandum of Article of Association (MOA) or other	Complied
3.	Work experience - As per of Sec A Criteria: Should have satisfactorily completed similar works in line with any one of the following criteria during last seven years ending on 31/03/2019 (i) One work costing not less than Indian Rs. 3,67,710.00 (ii) Two separate works each costing not less than Indian Rs. 2,29,819.00 (iii) Three separate works each costing not less than Indian Rs. 1,83,855.00	Complied
	Work completion Certificate: As per of Sec A Criteria: End user's satisfactory completion certificate mentioning 1. Work Order Number, 2. Value and Date of completion of the work (Date of Completion of work prior to 31/03/2012 shall not be considered)	Complied
4.	Annualized average Financial Turnover (at least Rs. 1,37,891.00) As per of Sec A: Copies of abridged balance sheets along with profit and loss account to be enclosed	Complied
5.	Undertaking (Submission of bids) as per Annexure – II of tender document	Complied
6.	Undertaking in the format as per Annexure –III (Regarding Dealership etc.)	Complied (Submitted on 19/06/2020)
7.	MAF from OEMs (as per Annexure –IV of tender document) – In case of System Integrator	Complied (Submitted on 19/06/2020)
8.	Undertaking (for not black listed) as per Annexure – V of tender Document	Complied
9.	Duly signed and stamped General compliance as per Annexure – VI of tender Document	Complied
10.	Duly signed and stamped Technical compliance as per Annexure – VII of tender document	Complied
11.	Complete List of deliverables – (Bill of Quantity) with Make and Model number of Equipment and accessories offered - fully meeting the Technical & Qualitative Requirement as spelt out in Technical Specification of tender, WITHOUT INDICATING THE PRICE as per Annexure – VIII of tender document	Complied
12.	Undertaking in the format as per Annexure – X (GST Undertaking)	Complied
13.	Check List for "e Cover – 2" documents as per Annexure – XIV	Complied
14.	Copy of GST Registration	Complied
15.	Copy of PAN Card	Complied
16.	Technical Brochure of offered make and model of IP IR Outdoor PTZ Camera	Complied
17.	Technical Brochure of offered make and model of Bullet Camera (IP Based)	Complied
18.	Technical Brochure of offered make and model of Managed 24-Port PoE Switch (IPv6 compliant)	Complied
19.	Technical Brochure of offered make and model of 32 Channel NVR	Complied
20.	Technical Brochure of offered make and model of 3 KVA UPS	Complied
21.	Technical Brochure of offered make and model of Display Monitor	Complied

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20.07.2020

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14/07/2020

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TECHNICAL SPECIFICATION OF ITEMS TO BE SUPPLIED

Technical Specification Para-1

(Unitech Services Group)

IP IR Outdoor PTZ Camera

S/No	Features /Specifications			Remarks
1.	Camera Features	(a) Image Sensor	1/2.8" CMOS or better	Complied
		(b) Resolution	2 Mega pixel (1920x1080), Full HD (1080p) resolution with 25 fps streaming or better	Complied
		(c) White Balance	Auto/Manual/Indoor/Outdoor	Complied
		(d) Zoom	Built-in 25x Optical or better	Complied
		(e) AGC	Auto/Manual	Complied
		(f) Pan/Tilt Range	360° Endless Pan, Tilt/Zoom with Tilt range 0 degree to 90 degree	Complied
		(g) IR Distance	Up to 150m	Complied
		(h) WDR	120 dB or better	Complied
		(i) Min Preset Position	Minimum 200 preset position	Complied
(a)	Network Interface	(a) Interface	1 RJ45 10 M/100 M Ethernet, Hi-PoE	Complied
		(b) Network protocols	TCP/IP, HTTP, HTTPS, SMTP, IGMP etc.	Complied
(b)	General features	(a) ONVIF Compliance	ONVIF compliance mandatory	Complied
		(b) Power Supply	self-adaptive or PoE+ (802.3af complied)	Complied
		(c) Protection Rating	IP66 or better	Complied

Note: - OEM submitted compliance statement for all above technical parameters. Hence can be considered as complied.

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Shambhu Kumar
20.07.2020

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14/07/2020

Technical Specification Para-2
(Unitech Services Group)

Bullet Camera (IP Based)

Sr.No	Features / Specifications			Remarks
1.	Camera General features	(1) Image sensor	1/2.8" progressive scan CMOS or higher	Complied
		(2) Effective Pixels	2.0 MP or better	Complied
		(3) Image resolution	1080P(1920 x1080)	Complied
		(4) Frame rate	1080P@ 25f/S, 720P@ 25 f/S	Complied
		(5) WDR	80db or better	Complied
		(6) Minimum Illumination	0.05lux (color), 0.001lux(IR on)	Complied
		(7) Day/Night	IR cut filter	Complied
		(8) Video parameters	Contrast, brightness, saturation	Complied
2.	Lens	(9) Focal Length	3.6 mm or better	Complied
		(10) Lens mount	M12	Nothing mentioned
3.	IR LEDs	(11) IR distance	30 M or better	Complied
4.	Interface	(12) Network Port	10/100M Ethernet interface RJ45	Complied
5.	Encode Mode	(13) Video Compression	H.265 and H.264	Complied
6.	Others Requirements	(14) Network protocol	TCP/UDP/HTTP/ UPnP/DHCP/DDNS/ FTP/NTP/RTP/RTSP	Complied
		(15) System clock	Build-in clock, support external synchronization	Nothing mentioned
		(16) Intelligent alarm	Motion detection	Complied
		(17) Operating Temp.	0 deg C to 50 deg C or Better.	Complied
		(18) Operating Humidity	0%-90 % non-condensing.	Complied
		(19) ONVIF Compliance	ONVIF compliance	Complied
		(20) Power Supply	PoE+ (802.3af complied)	Complied
		(21) Storage	Micro SD Card (Optional)	Nothing mentioned

Note: - OEM submitted compliance statement for all above technical parameters. Hence can be considered as complied.

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19/07/2020

Technical Specification Para-3
(Unitech Services Group)

Managed 24-Port PoE Switch

Sr.No	Features / Specifications		Remarks
1.	Features	(1) Managed Layer 2, 24 x 10/100/1000 mbps POE Gigabyte, Managed Layer 2, PoE Switch	Complied
2.	Physical Ports	(2) 4 SFP Ports, PoE capable RJ 45 Ports : 12 or more	Complied
3.	PoE Standard :	(3) 802.3af	Complied
4.	Port Standard	(4) IEEE 802.3 10 base-T/100 base -T/1000 base-T	Complied
5.	Switching Capacity	(5) at least 48 Gbps	Complied
6.	Management features	(6) (a) IPV6 Management (b) SNMP V1/V2/V3 (c) Web GUI (d) System log (e) Simplified CLI (f) Sntp	Complied
7.	Security Features	(7) (a) 802.1x (b) MAC address Binding (c) RADIUS (d) Broadcast, Multicast	Complied
8.	Application Support	(8) CCTV Surveillance system support	Complied
9.	Environmental Temperature	(9) 0 to 40 Degree or better	Complied
10.	Environmental Humidity	(10) 10-90 % or better	Complied
11.	Accessory	(11) 19" Rack Mountable, etc as required	Complied

Note: - All Complied

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Technical Specification Para-4
(Unitech Services Group)

32 Channel NVR

SI No.	Features / Specifications			Remarks
1	System	Functions	Live, recording, playback, backup & support up to 8 MP resolution preview and play back	Complied
2	Video & Audio Interface	(a) IP Camera	Minimum 32 channel Camera	Complied
		(b) Output	2 HDMI, 1VGA	Complied
3	Display	(a) Display Split	Up to 16 channel	Complied
		(b) Resolution	1920×1080, 1280×720, 1024×768	Complied
4	Recording	Video/Audio	Compression H.264 /H.265	Complied
5	Video Detection & Alarm	(a) Trigger Events	Recording, PTZ movement, Tour, Alarm	Nothing mentioned
		(b) Motion Detection	Motion Detection supportive	Nothing mentioned
6	Auxiliary Interface	(a) USB Interface	3 USB ports	Complied
		(b) RS232	Keyboard, PC communication	Complied
		(c) RS485	PTZ control	Complied
7	Playback & Backup	(a) Playback Channel	Minimum 4 channel	Complied
		(b) Search Mode	Time/Date	Complied
		(c) Playback Function	Standard features	Complied
		(d) Backup Mode	Flash drive/USB /HDD	Complied
8	Network	(a) Ethernet	RJ-45 port(10/100M/1000M)	Complied
		(b) Network Function	HTTP,TCP/IP, SMTP,NTP,DHCP,DNS, DDNS	Nothing mentioned about all protocols except NTP & DHCR
9	Storage Capacity	Hard Disk	Storage capacity 32 TB or more (Supply 16TB HDD with NVR)	Complied
10	General	(a) Power Supply	AC220V,50Hz	12VDC Supply required to run the NVR
		(b) ONVIF Compliance	ONVIF supportable	Complied

Note: - OEM submitted compliance statement for all above technical parameters. Hence can be considered as complied.

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Technical Specification Para-5
(Unitech Services Group)

UPS 3 KVA

Sl No.	Features / Specification required			Remarks
1	Type		Single Phase, Online UPS	Complied
2	UPS Rating	Capacity	3 KVA / 240V	Complied
3	Input Parameters	(a) I/P Frequency Range	40Hz ~ 60 Hz	47.5 – 52.5 Hz
		(b) Phase	Single phase with ground	Complied
		(c) I/P Power Factor	≥ 0.8 @ 220 to 230 VAC (input voltage)	Complied
4	Output Parameters	(a) Output Voltage	220/230/240VAC	Complied
		(b) AC Voltage Regulation	± 3% (Battery. Mode)	Complied
		(c) Frequency Range	50 / 60 Hz	Complied
		(d) Overload Capacity / Warning	Min 110% with indication	Complied
		(e)		
		(f) Output PF	0.8 or better	Complied
		(g) O/P Waveform	Pure Sine wave	Complied
5	General	(a) Backup time:	Min. 30 minutes	Complied
		(b) Warranty :	Minimum 1 year	Complied
		(c) Audible Alarm	Yes	Complied
		(d) Output Sockets	Minimum 3	Complied
		(e) Battery	Maintenance free Battery with rack	Complied
		(f) Certificate	CE Certified	Complied
		(g) Alarm Protection	Battery Low, Inverter Under/Over Voltage, UPS Over load, Short Circuit.	Complied
		(h) LED Indication	Normal Operation, Bypass, Fault, and Battery mode	Complied
		(i) Redundancy	Load sharing	Complied

Note: No new document submitted.

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Technical Specification Para-6
(Unitech Services Group)

Display Monitor

SI No.	Features/ Specifications		Remarks
1.	Type & Screen Size	LED 40 inches	Complied
2.	Resolution	1,920 x 1,080 (FHD)	Complied
3.	Aspect Ratio	16:9	Nothing mentioned
4.	Video Input	HDMI (2), DVI, USB	Nothing mentioned about DVI
5.	Operation	24x7	Nothing mentioned
6.	Power Supply	Standard 230 V AC	Nothing mentioned
7.	Operating Temp range	0 to 40	Nothing mentioned
8.	Operating Humidity Range	10 to 80%	Nothing mentioned
9.	Mount for fixing on wall/Table	Required as per site	Complied
10.	Support	Suitable for NVR	Nothing mentioned

Note : - No new document submitted

Technical Specification Para-7
(Unitech Services Group)

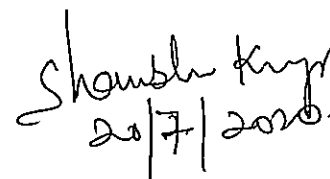
OFC Cables

SI No.	Features/ Specifications	Remarks
1.	6F Unitube Armored, Rodent Proof, UV Protection	Complied through Annex - VII
2.	Tube Excellent Water Proof Layer and Moisture Resistance.	
3.	Light Weight and Compact Structure & Flame resistance	
4.	Should fulfill the requirements of: IEC 60793-1/60794-1.2	
5.	6F single mode	
6.	ISO Standard <u>9001/11801</u>	
7.	Suitable for indoor/outdoor Local Area network system	

Technical Specification Para-8
(Unitech Services Group)

Media Converter

SI No.	Features/ Specifications	Remarks
1.	Standard: - IEEE 802.3 ISI standard	Complied through Annex - VII
2.	Interface: - 1 SFP port, 1 10/100/1000Mbps RJ45 port	
3.	Transmission Media: Multi/Single mode Fiber, TP	
4.	Appropriate Media converter compatible with L3/L2 switches	

 14/07/2020
  Shambhu Kumar 20/7/2020
  20/07/2020

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**Technical Specification Para-9
(Unitech Services Group)**

LAN Cable

Sl No.	Features/ Specifications	Remarks
1.	Standard CAT 6 SFTP cable compliant to TIA/EIA-568-C and ISO/IEC 11801,	Complied through Annex - VII
2.	Frequency compliance 200 MHz	
3.	Flame Retardant	
4.	Preferable Brand D-Link or equivalent	

**Technical Specification Para-10
(Unitech Services Group)**

Rack 9U

Sl No.	Features/ Specifications	Remarks
1.	Standard 19" Equipment rack	Complied through Annex - VII
2.	Construction: Steel	
3.	Height suitable for 2 (two) adjustable shelves: for PoE Switch & LIU	
4.	Should be able to hold the load (weight) mentioned above switch	
5.	The front side will be covered by Glass Door, rest all sides covered by Steel sheets, the bottom cover should have Cable entry provision.	
6.	Equipment Mounting: DIN standard slots Mounting Angle: 19" made of steel . Rack shall be wall mounting type. Standard finished Powder Coated.	

Technical Specification Para-11/12

GI Pipe & HDPI Pipe

	Remarks
Quality as per ISI standard	Complied through Annex - VII

Other Accessories/Requirements

	Remarks
As per requirements	Complied through Annex - VII
All the items must be of good quality	
Others existing Cameras needs to be integrated with new System/NVR.	
Pigtails 2mtrs for SM use as per system requirement.	

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Observations

Many parameters of Technical Specifications are not mentioned in brochures of Monitor & UPS.

Conclusion

In general all equipments meeting specifications except few. Detail about some parameters are not mentioned in broacher.

14/07/2020

Shamsh Kyr
20/07/2020

14/7/2020

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Government
eProcurement
System

BIDS LIST

Master Management

Org Hierarchy Master

View Internal Documents

User Management

Debar User

My Organisation Hierarchy

My Accounts

Tender Management

Create Tender / Tender List

Publish Tender

Published Tenders

Seek Clarifications

Pre-bid Meeting

Downloaded Tenders

Tender Status

Archived Tenders

Bids List

Welcome : anjutomar@aai.aero
Last login : 18-Jun-2020 12:24 PM

Server Time
29-Jul-2020 11:06:34

Home Logout

Government eProcurement System

Organisation Chain : Airports Authority of India||North East Region -
AAI||GUWAHATI - AAI||CNS-VEGT - AAI

Tender Reference Number : AAI/GHT/CNS/AS-02/2020

Tender ID : 2020_AAI_43715_1

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING

Tender Title : (SITC) FOR AUGMENTATION OF SURVEILLANCE CCTV SYSTEM
AT AIR CARGO TERMINAL OF LGBI AIRPORT, GUWAHATI.

Bid List

S.No	Bid Number	Bidder Name	Opened Date	View Docs	Status
1	153795	Asha Enterprise	03-Jun-2020 12:23 PM	View Doc	Requested
2	154282	Unitech Services Group	03-Jun-2020 12:55 PM	View Doc	Replied

Back

File Edit View Favorites Tools Help

Airports Authority of India... McAfee Web Gateway - N...

Windows Taskbar

System Tray

Shortfall documents in r/o SITC of CCTV for Cargo

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CNS Procurement Section, Guwahati

Thu 18-06-2020 12:51

To: Airport Systems unit, LGBI Airport <as.vegt@AAI.AERO>;

Cc: CNS InCharge, Guwahati <cnsicvegt@AAI.AERO>;

📎 8 attachments

ANNEXUREXIII.pdf; MAFAAIGUWAHATI.pdf; POA.pdf; TECHNICALSIX.pdf; UNVFOUR.pdf; UNVTHREE.pdf; UNVTWO.pdf; UPSFIVE.pdf;

Dear Sir,

Please find attached shortfall documents in r/o SITC of CCTV for Cargo.

With Regards,

Rishi Kant Bangwal
AGM(CNS)

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File Edit View Favorites Tools Help

https://eenders.gov.in/eProcure/e... National Info... Government eProcurement... X

Airports Authority of India... McAfee Web Gateway - N...

Master Management

Org Hierarchy Master

View Internal Documents

User Management

Debar User

My Organisation Hierarchy

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Tender Management

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Seek Clarifications

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Downloaded Tenders

Tender Status

Archived Tenders

Archived Clarification

Stage 2 Create Tender / Tender List

NDA Documents History

BIDS LIST

Bids List

Organisation Chain : Airports Authority of India||North East Region - AAI||GUWAHATI - AAI||CNS-VEGT - AAI

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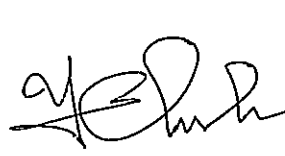
Windows Taskbar

03-06-2020

Project: Installation of CCTV System at Cargo, Guwahati Airport

ASHA ENTERPRISES

S.No.	Eligibility Criteria	Doc Uploaded (Yes/No)
1.	Letter indicating the capacity and authority of individual digitally signing tender documents	Not understood
2.	Legal Status of Bidder as per Sec A: Copy of Certificate of Registration under Shop & Establishment Act or Registrar of Firms or Companies Act / Partnership Deed/Memorandum of Article of Association (MOA) or other	Complied
3.	<u>Work experience</u> - As per of Sec A Criteria: Should have satisfactorily completed similar works in line with any one of the following criteria during last seven years ending on 31/03/2019 (i) One work costing not less than Indian Rs. 3,67,710.00 (ii) Two separate works each costing not less than Indian Rs. 2,29,819.00 (iii) Three separate works each costing not less than Indian Rs. 1,83,855.00	Not submitted
	<u>Work completion Certificate</u> : As per of Sec A Criteria: End user's satisfactory completion certificate mentioning 1. Work Order Number, 2. Value and Date of completion of the work (Date of Completion of work prior to 31/03/2012 shall not be considered)	Not submitted
4.	Annualized average Financial Turnover (at least Rs. 1,37,891.00) As per of Sec A: Copies of abridged balance sheets along with profit and loss account to be enclosed	Profit & Loss statement not submitted
5.	Undertaking (Submission of bids) as per Annexure – II of tender document	Complied
6.	Undertaking in the format as per Annexure –III (Regarding Dealership etc.)	Complied
7.	MAF from OEMs (as per Annexure –IV of tender document) – In case of System Integrator	Complied
8.	Undertaking (for not black listed) as per Annexure – V of tender Document	Complied
9.	Duly signed and stamped General compliance as per Annexure – VI of tender Document	Complied
10.	Duly signed and stamped Technical compliance as per Annexure – VII of tender document	Complied
11.	Complete List of deliverables – (Bill of Quantity) with Make and Model number of Equipment and accessories offered - fully meeting the Technical & Qualitative Requirement as spelt out in Technical Specification of tender, WITHOUT INDICATING THE PRICE as per Annexure – VIII of tender document	Complied
12.	Undertaking in the format as per Annexure – X (GST Undertaking)	Complied
13.	Check List for “e Cover – 2” documents as per Annexure – XIV	Complied
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20.	Technical Brochure of offered make and model of 3 KVA UPS	Not uploaded
21.	Technical Brochure of offered make and model of Display Monitor	Complied

Shambhukumar

TECHNICAL SPECIFICATION OF ITEMS TO BE SUPPLIED

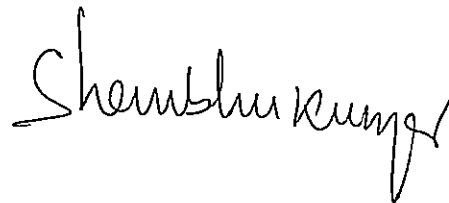
Technical Specification Para-1

IP IR Outdoor PTZ Camera				
S/No	Features /Specifications			Remarks
1.	Camera Features	(a) Image Sensor	1/2.8" CMOS or better	Complied
		(b) Resolution	2 Mega pixel (1920x1080), Full HD (1080p) resolution with 25 fps streaming or better	Complied
		(c) White Balance	Auto/Manual/Indoor/Outdoor	Complied
		(d) (d) Zoom	Built-in 25x Optical or better	Complied
		(e) AGC	Auto/Manual	Complied
		(f) Pan/Tilt Range	360° Endless Pan, Tilt/Zoom with Tilt range 0 degree to 90 degree	Complied
		(g) IR Distance	Up to 150m	Complied
		(h) WDR	120 dB or better	Complied
		(i) Min Preset Position	Minimum 200 preset position	Complied
		(j) Network Interface	(a) Interface	1 RJ45 10 M/100 M Ethernet, Hi-PoE
(j)	Network Interface	(b) Network protocols	TCP/IP, HTTP, HTTPS, SMTP, IGMP etc.	Complied
		(a) ONVIF Compliance	ONVIF compliance mandatory	Complied
	General features	(b) Power Supply	self-adaptive or PoE+ (802.3af complied)	Complied
		(c) Protection Rating	IP66 or better	Complied

[Handwritten signatures]

Bullet Camera (IP Based)				
Sr.No	Features / Specifications			Remarks
1.	Camera General features	(1) Image sensor	1/2.8" progressive scan CMOS or higher	Complied
		(2) Effective Pixels	2.0 MP or better	Complied
		(3) Image resolution	1080P(1920 x1080)	Complied
		(4) Frame rate	1080P@ 25f/s, 720P@ 25 f/s	Not complied 1080P@20f/s
		(5) WDR	80db or better	Complied
		(6) Minimum Illumination	0.05lux (color), 0.001lux(IR on)	Not complied 0.09luc (color)
		(7) Day/Night	IR cut filter	Complied
		(8) Video parameters	Contrast, brightness, saturation	Not mentioned
2.	Lens	(9) Focal Length	3.6 mm or better	Complied
		(10) Lens mount	M12	Not mentioned
3.	IR LEDs	(11) IR distance	30 M or better	Complied
4.	Interface	(12) Network Port	10/100M Ethernet interface RJ45	Complied
5.	Encode Mode	(13) Video Compression	H.265 and H.264	Complied
6.	Others Requirements	(14) Network protocol	TCP/UDP/HTTP/ UPnP/DHCP/DDNS/ FTP/NTP/RTP/RTSP	Complied
		(15) System clock	Build-in clock, support external synchronization	Not mentioned
		(16) Intelligent alarm	Motion detection	Complied
		(17) Operating Temp.	0 deg C to 50 deg C or Better.	Complied
		(18) Operating Humidity	0%-90 % non-condensing.	Complied
		(19) ONVIF Compliance	ONVIF compliance	Complied
		(20) Power Supply	PoE+ (802.3af complied)	Complied
		(21) Storage	Micro SD Card (Optional)	Not mentioned



Technical Specification Para-3

Managed 24-Port PoE Switch			
Sr.No	Features / Specifications		Remarks
1.	Features	(1) Managed Layer 2, 24 x 10/100/1000 mbps POE Gigabyte, Managed Layer 2, PoE Switch	Complied
2.	Physical Ports	(2) 4 SFP Ports, PoE capable RJ 45 Ports : 12 or more	4 SFP Port not available
3.	PoE Standard :	(3) 802.3af	Complied
4.	Port Standard	(4) IEEE 802.3 10 base-T/100 base -T/1000 base-T	Complied
5.	Switching Capacity	(5) at least 48 Gbps	Complied
6.	Management features	(6) (a) IPV6 Management (b) SNMP V1/V2/V3 (c) Web GUI (d) System log (e) Simplified CLI (f) Sntp	Not mentioned Built in SNMP Complied Complied Complied Not mentioned
7.	Security Features	(7) (a) 802.1x (b) MAC address Binding (c) RADIUS (d) Broadcast, Multicast	Not mentioned Complied Not mentioned Complied
8.	Application Support	(8) CCTV Surveillance system support	Complied
9.	Environmental Temperature	(9) 0 to 40 Degree or better	Complied
10.	Environmental Humidity	(10) 10-90 % or better	Complied
11.	Accessory	(11) 19" Rack Mountable, etc as required	Complied

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Technical Specification Para-4

32 Channel NVR				
Sl No.	Features / Specifications			Remarks
1	System	Functions	Live, recording, playback, backup & support up to 8 MP resolution preview and play back	Complied
2	Video & Audio Interface	(a) IP Camera	Minimum 32 channel Camera	Complied
		(b) Output	2 HDMI, 1VGA	Complied
3	Display	(a) Display Split	Up to 16 channel	Complied
		(b) Resolution	1920×1080, 1280×720, 1024×768	Complied
4	Recording	Video/Audio	Compression H.264 /H.265	Complied
5	Video Detection & Alarm	(a) Trigger Events	Recording, PTZ movement, Tour, Alarm	Complied
		(b) Motion Detection	Motion Detection supportive	Complied
6	Auxiliary Interface	(a) USB Interface	3 USB ports	Complied
		(b) RS232	Keyboard, PC communication	Complied
		(c) RS485	PTZ control	Complied
7	Playback & Backup	(a) Playback Channel	Minimum 4 channel	Complied
		(b) Search Mode	Time/Date	Complied
		(c) Playback Function	Standard features	Complied
		(d) Backup Mode	Flash drive/USB /HDD	Complied
8	Network	(a) Ethernet	RJ-45 port(10/100M/1000M)	Complied
		(b) Network Function	HTTP,TCP/IP, SMTP,NTP,DHCP,DNS, DDNS	Complied
9	Storage Capacity	Hard Disk	Storage capacity 32 TB or more (Supply 16TB HDD with NVR)	Complied
10	General	(a) Power Supply	AC220V,50Hz	Complied
		(b) ONVIF Compliance	ONVIF supportable	Complied







Technical Specification Para-5

UPS 3 KVA				
Sl No.	Features / Specification required			Remarks
1	Type		Single Phase, Online UPS	Brochure not uploaded. Could not be checked
2	UPS Rating	Capacity	3 KVA / 240V	
3	Input Parameters	(a) I/P Frequency Range	40Hz ~ 60 Hz	
		(b) Phase	Single phase with ground	
		(c) I/P Power Factor	≥ 0.8 @ 220 to 230 VAC (input voltage)	
4	Output Parameters	(a) Output Voltage	220/230/240VAC	
		(b) AC Voltage Regulation	$\pm 3\%$ (Battery. Mode)	
		(c) Frequency Range	50 / 60 Hz	
		(d) Overload Capacity / Warning	Min 110% with indication	
		(e)		
		(f) Output PF	0.8 or better	
		(g) O/P Waveform	Pure Sine wave	
5	General	(a) Backup time:	Min. 30 minutes	
		(b) Warranty :	Minimum 1 year	
		(c) Audible Alarm	Yes	
		(d) Output Sockets	Minimum 3	
		(e) Battery	Maintenance free Battery with rack	
		(f) Certificate	CE Certified	
		(g) Alarm Protection	Battery Low, Inverter Under/Over Voltage, UPS Over load, Short Circuit.	
		(h) LED Indication	Normal Operation, Bypass, Fault, and Battery mode	
		(i) Redundancy	Load sharing	


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Technical Specification Para-6

Display Monitor			
SI No.	Features/ Specifications		Remarks
1.	Type & Screen Size	LED 40 inches	Complied
2.	Resolution	1,920 x 1,080 (FHD)	Complied
3.	Aspect Ratio	16:9	Not mentioned in Brochure
4.	Video Input	HDMI (2), DVI, USB	DVI Not mentioned
5.	Operation	24x7	Not mentioned
6.	Power Supply	Standard 230 V AC	Complied
7.	Operating Temp range	0 to 40	Not mentioned
8.	Operating Humidity Range	10 to 80%	Not mentioned
9.	Mount for fixing on wall/Table	Required as per site	Not mentioned
10.	Support	Suitable for NVR	Not mentioned

Technical Specification Para-7

OFC Cables		
SI No.	Features/ Specifications	Remarks
1.	6F Unitube Armored, Rodent Proof, UV Protection	Complied through Annex-VII
2.	Tube Excellent Water Proof Layer and Moisture Resistance.	
3.	Light Weight and Compact Structure & Flame resistance	
4.	Should fulfill the requirements of: IEC 60793-1/60794-1.2	
5.	6F single mode	
6.	ISO Standard <u>9001/11801</u>	
7.	Suitable for indoor/outdoor Local Area network system	

Technical Specification Para-8

Media Converter		
SI No.	Features/ Specifications	Remarks
1.	Standard: - IEEE 802.3 ISJ standard	Complied through Annex-VII
2.	Interface: - 1 SFP port, 1 10/100/1000Mbps RJ45 port	
3.	Transmission Media: Multi/Single mode Fiber, TP	
4.	Appropriate Media converter compatible with L3/L2 switches	

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Technical Specification Para-9

<u>LAN Cable</u>		
Sl No.	Features/ Specifications	Remarks
1.	Standard CAT 6 SFTP cable compliant to TIA/EIA-568-C and ISO/IEC 11801,	Complied through Annex-VII
2.	Frequency compliance 200 MHz	
3.	Flame Retardant	
4.	Preferable Brand D-Link or equivalent	

Technical Specification Para-10

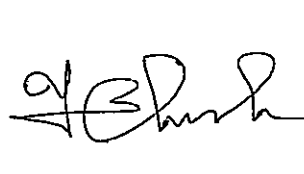
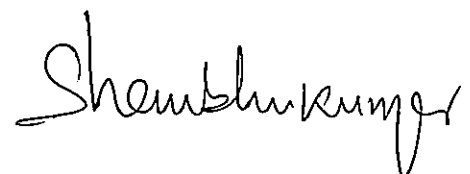
<u>Rack 9U</u>		
Sl No.	Features/ Specifications	Remarks
1.	Standard 19" Equipment rack	Complied through Annex-VII
2.	Construction: Steel	
3.	Height suitable for 2 (two) adjustable shelves: for PoE Switch & LIU	
4.	Should be able to hold the load (weight) mentioned above switch	
5.	The front side will be covered by Glass Door, rest all sides covered by Steel sheets, the bottom cover should have Cable entry provision.	
6.	Equipment Mounting: DIN standard slots Mounting Angle: 19" made of steel . Rack shall be wall mounting type. Standard finished Powder Coated.	

Technical Specification Para-11/12GI Pipe & HDPI Pipe

	Remarks
Quality as per ISI standard	Complied through Annex-VII

Other Accessories/Requirements

	Remarks
As per requirements	Complied through Annex-VII
All the items must be of good quality	
Others existing Cameras needs to be integrated with new System/NVR.	
Pigtails 2mtrs for SM use as per system requirement.	

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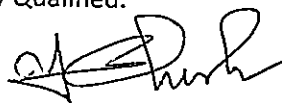
Observations

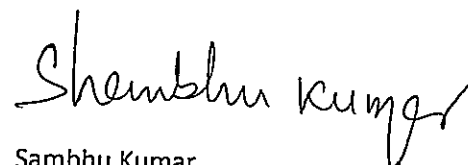
1. Party doesn't have work experience
2. Profit Loss statement not uploaded
3. Major Non Compliance observed in technical Specification of many items
4. Many Parameters of Technical Specifications are not mentioned in Brochure of most items

Conclusion

May not be considered as Technically Qualified.


Sunil Bagoria
Manager (CNS)


T.K. Ghosh
DGM (AS)


Sambhu Kumar
Manager (CNS)

Signature Not Verified

Digitally signed by ANJU TOMAR
Date: 2020.07.29 11:28:19 IST
Location: eProcurement System for
Central PSUs