



अखिल भारतीय आयुर्विज्ञान संस्थान पटना

ALL INDIA INSTITUTE OF MEDICAL SCIENCES PATNA

Tender No. AIIMS /Pat/Tender/368 dated 17/08/18

Date 06.09.2019

Corrigendum/Addendum

Following corrigendum is issued for the tender for Supply and Installation of CCTV at AIIMS, Patna

1. BOQ Item No. 1, 2a, 2b, 3 and 27a - Dome, Bullet & PTZ Camera and its VMS Software - Preferred Make should be read as "Tyco/Bosch/Hikvision/Pelco/Mobotix/Uniview/Siemens/Samsung/Alcon/Impulse/Honeywell/Dauha/Hanwha".
2. BOQ Item No. 1 –IR coverage 20 mtr should be read as IR coverage 30 mtrs. Protection level should be read as IP66/IP67, IK 10. Video Compression type should be read as "H.264/H.265/MJPEG". Streaming type should be read as "Support Three Streams". Power supply value should be read as 12V DC, PoE (802.3af/802.3at)
3. BOQ Item No. 2a – IR coverage 20 mtr should be read as IR coverage 50 mtrs .IR range value 30m should be read as 50m. Video Compression type should be read as "H.264/H.265/MJPEG" . Streaming type should be read as "Support Three Streams"
4. BOQ Item No. 2b – It should be read as "4MP IP PTZ Camera" .RS485 Protocols should be treated as deleted.
5. BOQ Item No. 1,2a,2b,3 – 3 Years warranty should be read as 5 Years warranty. Also "brand must be ONVIF & PSIA" should be read as "brand must be ONVIF or PSIA". Also, in Annexure-B(Technical specification), these points will be changed accordingly.
6. BOQ Item No. – 4 – UTP CAT5E should be read as "UTP CAT6 Cable and Preferred Make should be as **AMP/RNM/D-Link/Molex/Belden**".
7. BOQ Item No. – 5 – UTP RJ45 Connector should be read as "RJ45 Connector UTP CAT6 Cable and Preferred Make should be as **AMP/RNM/D-Link/Molex/Belden**".
8. BOQ Item No. – 11 – 42U Rack Preferred Make should be as **Valrack/Legrand/Rittal/APW/D-Link.**".
9. BOQ Item No. – 12a – 12 Core SM Armoured Fiber should be read as "12 Core SM Outdoor Armoured Fiber Cable RJ45 Connector UTP CAT6 Cable and Preferred Make should be as **AMP/RNM/D-Link/RNM/Belden/D-Link**" Similarly Item no. 12b – 6 Core OFC also should be read as same preferred make".
10. BOQ Item No. – 13 – Pigtails should be read as "SC type Single mode Pigtails, 1M Length and Preferred Make should be as **AMP/RNM/D-Link/Molex/Belden**" Similarly Item no. 14 – OFC Patch Cord also should be read as SC-LC Duplex Single mode OFC Patch Cord, 3M Length as same preferred make".
11. BOQ Item No. – 15 – 24 Port Giga Smart PoE Switch should be read as "24 x 10/100/1000 Base T, PoE+ with 4 x 10G Base-x SFP+ Smart Managed L2 Switch Loaded with 2 x SM LX Module and Preferred Make should be as **Netgear/Cisco/Brocade/D-Link/juniper**" similarly the technical specifications should be read as follows"-:

S.No.	Technical Specification	Amended Specification should be read as...
L2 Switch - 24-port 1000Base-T Gigabit Smart PoE Switch		
1	Technical Physical 24 # 10/100/1000 Base-T auto-sensing ports with 802.3af support	Should be read as – "24 # 10/100/1000 Base –T , PoE+ Auto sensing ports with 802.3af and 802.3at supported.



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		02 # 100/1000/10GBASE-T RJ45 Ports	Should be read as - "2 x 1000BaseX SFP slots, Loaded with 2 X SM-LX Module"
		02 # 1000/10GBASE-X SFP+ port	Should have no changes
2	Power Budget	192W	Should be read as – "370W or better"
3	Performance Specification	Bandwidth: 48Gbps	Should be read as - "Bandwidth: 128Gbps or better"
		Mean Time Between Failures (MTBF): 160000+ hours	Should be read as - "MTBF: 300000 hours"
		MAC Address database size: 4000 media access control (MAC) addresses	Should be read as - MAC Address database size:16000 MAC addresses or better

12. BOQ Item No. – 16 – 24 Port L2 Advance Gigabit Switch should be read as “24 x 10/100/1000 Base T, with 2 x 10G Base –T and 4 x 10G Base-x SFP+ L2 Switch Loaded with 2 x SM LX Module and Preferred Make should be as “**Netgear/Cisco/Brocade/D-Link/juniper**” similarly the technical specifications should be read as follows”.

S.No.	Technical Specification		Amended Specification should be read as...
L2 Advanced Gigabit Switch - 24-port 1000base-T Gigabit Smart Switch			
1	Physical Specification	02 # 1000/10GBASE-X SFP+ Ports	Should be read as - "04 # 1000/10GBASE-X SFP+ Ports, Loaded with 2 x SM – LX Module"
2	CPU/Memory	CPU:800Mhz	Should be read as - "CPU: 1.25GHz or better"
		RAM:512	Should be read as - "RAM: 1GB or better"
		Packet Buffer Memory: 32MB	Should be read as - "Packet Buffer Memory : 2Mb or more"
		Flash:128MB	Should be read as - "Flash 256MB or better "
3	Performance Specification	Stack Height: 6 Switches	Should be read as - "Change it to 8 switches (Physical Stacking) or more"
		Throughput :95.2Mbps	Should be read as - "Throughput: 125Mpps or better"
		Acoustic noise (ANSI-S10.12): 36.8dBA	Should be read as - "Acoustic Noise 53.4dB or better"
		Mean Time Between Failures (MTBF) : 147,965 hours	Should be read as - "MTBF: 400,000 hours or better"
		VLAN : 256	Should be read as - "VLAN: 4000 VLANs or more"
		32 Static Routes	Should be read as - "Static Routes : 512 static routes & RIPv1v2, RIPng"
		100 shared for MAC, IP and IPv6 ACLs	"This point is deleted."
4	IEEE Network Protocols	IEEE 802.IQavl	"This point is deleted."
		IEEE 802.3ae 10-Gigabit Ethernet Over Fiber (10GBASE-SR, 10GBASE-LR, 10GBASE-ER, 10GBASE-LX4)	Should be read as - "IEEE 802.3ae 10-Gigabit Ethernet Over Fiber (10GBASE-SR, 10GBASE-LR, 10GBASE-ER,)"
		IEEE 802.IQatl	"This point is deleted."
		IEEE 802.1BA1	"This point is deleted."
		IEEE 802.1AS1	"This point is deleted."



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5	Power Consumption	28.18W	Should be read as - "30-35w or better"
7	QUALITY OF SERVICE(QOS)	Port-based rate limiting: Egress only	Should be read as - "Egress & Ingress both"
		Timing and Synchronization for Time-Sensitive Applications (IEEE 802.IAS)	"This point is deleted."
		Stream Reservation Protocol (SRP) (IEEE 802.IQat)	"This point is deleted."
		Forwarding and Queuing for Time-Sensitive Streams (IEEE 802.IQav)	"This point is deleted."
		Audio Video Bridging Systems (IEEE 802.IBA)	"This point is deleted."
		Auto-VoIP : Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes	"This point is deleted."
		(default database and user-based OUIs)	"This point is deleted."
		in the phone source MAC address	"This point is deleted."
		Auto-Video	"This point is deleted."
		IP-based VLANs	"This point is deleted."
		Auto-Voice VLAN: Based on phones OUI bytes (internal database, lli I or user-maintained) or protocols (SIP, H323 and SCCP)	"This point is deleted."
		Auto-Video VLAN	"This point is deleted."
8	L2 Services Availability	BPDU guard	Should be read as - "BPDU guard or equivalent"
9	L2 Services Multicast Filtering	Multicast VLAN Registration (MVR)	Should be read as - "Multicast VLAN Registration (MVR) or equivalent"
11	L3 Services IPV4 Routing	Router Discovery(IRDP)	"This point is deleted."
14	Management	Smart Control Centre (SCC) for multiswitch management	"This point is deleted."
16	Environmental Conditions	Humidity: 95% maximum relative humidity, non-condensing	Should be read as -"Humidity: 90% or better"
17	Certifications	FCC Part 15 Class A, VCCI Class A	Should be read as - Certification: FCC Class A, CE Class A, VCCI Class A, IC, CCC, cUL, BSMI, CCC or better
		Class A EN 55022 (CISPR 22) Class A	
		Class AC-Tick	
		EN 50082-1	
		EN 55024	
		CCC	
		CSA certified (CSA 22.2 #950)	
UL listed (UL 1950)/cUL IEC 950/EN 60950			



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13. BOQ Item No. – 17 – 24 Port Gigabit SFP L3 Switch should be read as “24 x 10/100/1000 Base T, with 4 x 1G SFP Combo and 4 x 10G Base-x SFP+ L2 Switch Loaded with 4 x SM LX Module and Preferred Make should be as “Netgear/Cisco/Brocade/D-Link/juniper” similarly the technical specifications should be read as follows”

S.No.	Technical Specification	Amended Specification should be read as...	
L3 Switch - Technical Specifications			
1	Physical Interface	2 Auto sensing RJ45 100/1000/10GBase-T	Should be read as - "2nos. of 10G SFP+ slots"
		2 Auto sensing SFP+ ports (shared with 2 10GBT)	Should be read as - "2nos. of 10G SFP+ slots"
		Serial RS-232 port for console	Should be read as - "RJ45 console port"
2	Memory	Code storage (flash): 16 MB	Should be read as - "Flash: 1GB or better"
3	Performance	Stack height: 8 switches/384 ports	Should be read as - "Stack height - 8 switches/192 ports or better"
		Switching fabric: 144 Gbps	Should be read as - "Switching fabric: 128Gbps or more"
		Throughput: 107.1 Mpps	Should be read as - "Throughput: 95Mpps or better"
		Number of trunks: 64 trunks, 8-port per trunk	Should be read as - "Number of trunks 32 trunks or better"
		Number of static routes: 1024	Should be read as - "Number of static routes: 512 static routes or better"
		Number of IP interfaces: 128	Should be read as - "Number of IP Interface 256 IP interfaces or more"
4	L3 Services	Acoustic noise (ANSI-S10.12): 44 dB@ 25°C ambient temperature	Should be read as - "Acoustic noise : 56 dB(A) or better"
		128 IP interfaces (L3-capable hardware)	Should be read as - "256 IP interfaces or better"
5	L2 Services	IEEE 802.1Q static VLAN (up to 1,024 VLANs) out of 4,096 VLAN IDs	Should be read as - "Static Vlan: 4000 VLANs or better"
		IEEE 802.3ad Link Aggregation (Static or LACP) up to 64 trunks per stack and up to 8 ports per trunk	Should be read as - "Link Aggregation 32 trunks per port"
6	QoS	Ingress rate limit in 1 Kbps increments	Should be read as - "Ingress rate limit 8Kbps"
	Security	Network access control: Captive portal with internal authentication or external RADIUS authentication	"This point is deleted."
	Security	Possible configuration of 10 captive portals	"This point is deleted."
9	RFC Standards	All RFC Protocols under head line "g"	"This point is deleted."
10	Management	TFTP, SFTP, HTTP, SCP, or local USB flash for	Should be read as - TFTP, SFTP, HTTP or local USB flash for configuration files and firmware upgrade



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		Port description	"This point is deleted."
		Cable Test	Should be read as - "Cable test or equivalent"
13	Certifications	CE mark, commercial	Should be read as - Certification: FCC Class A, CE Class A, VCCI Class A, IC, CCC, cUL, BSMI, CCC or better
		FCC Part 15 Class A, VCCI Class A	
		Class A EN 55022 (CISPR 22)	
		Class A	
		Class AC-Tick	
		EN 50082-1	
		EN 55024, CSA certified (CSA 22.2 #950)	
UL listed (UL 1950)/cUL IEC 950/EN 60950			

14. BOQ Item No. – 18a & 18b – 24 & 12 Port LIU should be read as “Fully loaded LIU loaded SC type Single mode Pigtails, Adaptors, & Panels, and Preferred Make should be as **AMP/RNM/D-Link/Molex/Belden**”
15. BOQ Item No. – 19 – Gigabit SM Media Converter should be read as “Single Mode Gigabit Duplex Media Converter and Preferred Make should be as **D-Link/Mrotek/TP-Link**”
16. BOQ Item No. – 6U Rack with Fan & PDU should be read as “6U Wall Mounted Rack with PDU, Fan, Cable manager and H/w. and Preferred Make should be as **D-Link/Valrack/Legrand/APW/Rittal**”
17. BOQ Item No. – 26 – 500VA Offline UPS should be read as “600VA Offline UPS and Preferred Make should be as **APC/Emerson/Numeric/Cyberpower**”
18. BOQ Item No. – 27a – Central Video Management Licence should be read as “VMS with licence of 370 Camera from day 1 and should be upgradable up to 512 Camera with licence upgrade and Preferred Make should be as per mention same make as cameras”. Point no. 7(c) should be read as “ The supervisor is able to manually control by drag & drop or clicking the camera from the map to the
19. BOQ Item No. – 27b – Rack Server should be read as “Rack Server with Xeon – E5 Silver 4110 CPU or better with 32 Gb Ram, 1Tb x 3 10K SAS Drive, RPS, 4 x Gigabit Network NIC, DVD-R/W, Keyboard, Mouse, and Windows Server 2016 Standard. And Preferred Make should be as **Fujitsu/HP/Dell/Lenovo**”.
20. In Checklist for terms and conditions, point no. 6 should be read as “Customer List (List of Govt./Semi Govt, PSU, Govt. Hospital/Institution) where similar items (CCTV and Data Networking) has been supplied and installed. Similarly point no. 7 should be read as “CCTV and Data networking” in place of CCTV/Data Networking or both”.
21. Page 49 point no.8 should be read as “VMS Server and storage system should be installed & configured as per requirement of AIIMS Patna and in such a way that should support 300 IP Cameras recording with minimum 30 days retention period at 20 fps & resolution of 2688*1520 resolution.
22. Page no.18 point no.11 (a) should be read as 16 weeks from date of issuance of supply order.
23. Last date for submission of bidding document will be **20/09/18** up to 12:00 noon

Faculty in charge
Procurement Cell
AIIMS Patna