

**TENDER FOR THE SUPPLY, INSTALLATION, TESTING,  
COMMISSIONING AND SUBSEQUENT AMC OF CCTV SYSTEM IN THE  
SCHOLASTIC BLOCK AND OTHER TRAINING AREAS OF THE  
CAMPUS AT IMU MUMBAI CAMPUS, INDIAN MARITIME UNIVERSITY**



**TENDER No: IMU-NMC/CCTV/2020/53**

**Dated: 18<sup>th</sup> June 2020**

## Corrigendum 1 dated 06-07-2020

Last date and time for receipt of bids extended	15:00 Hrs on 24 July, 2020
Date and time for opening of Technical bid extended	15.30 Hrs on 24 July, 2020

### Clarifications from IMU-NMC after receiving queries from Bidders.

Page No.	Existing Clause		Clarifications/New Clause	
	Description	Quantity	Description	Quantity
Pg. no.14 Clause 6 6.1 Sr.No. 1	4MP Full HD WDR IR Network Vandal Dome Network Camera - 30 Mtr.	54		
AND Pg. No. 26 Sr.No. 1	1/2.8" 4MP PS CMOS Image Sensor 25/30fps@4MP or higher (1920×1080)			
AND Pg.No. 29 Sr.No.1	H.265 and H.264 triple-stream encoding WDR(120dB), Day/Night(ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC			

	2.7~13.5mm motorized lens IR Range of 30 Mtrs, Smart IR, IP67, IK10, PoE		3MP Full HD WDR IR Vandal Dome Network Camera - 30 Mtr.  1/2.8" 3MP PS CMOS Image Sensor  25/30fps@4MP or higher (1920×1080)  H.265 and H.264 triple-stream encoding  WDR(120dB), Day/Night(ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC  IR Range of 30 Mtrs, Smart IR, IP67, IK10, PoE	44
Pg. no.14 Clause 6 6.1 Sr.No. 2  AND  Pg.No. 26 Sr.No. 2  AND  Pg.No. 30 Sr.No. 2	Description 4MP Full HD WDR IR Network Bullet Camera – 50 Mtr or more.  1/2.8" 4MP PS CMOS Image Sensor  H.265 , H.264 triple-stream encoding  50/60fps@1080P (1920×1080) or higher  WDR(120dB), Day/Night(ICR), 3D-DNR, ROI, AWB, AGC, BLC  IR Range of 50 Mtrs. Or more  7mm ~35mm motorized lens	Quantity 2	Description 4MP Full HD WDR IR Network Bullet Camera – 50 Mtr  1/2.8" 4MP PS CMOS Image Sensor  H.265 , H.264 triple-stream encoding  50/60fps@1080P (1920×1080) or higher  WDR(120dB), Day/Night(ICR), 3D-DNR, ROI, AWB, AGC, BLC  IR Range of 50 Mtrs.  2/1 Alarm in/out, 1/1 audio in/out Micro SD Card, IP67, IK10, ePoE	Quantity 8

	2/1 Alarm in/out, 1/1 audio in/out Micro SD Card, IP67, IK10, ePoE			
Pg. No. 15 Clause 6 6.1 Sr. No. 4  AND Pg.No. 27 Sr.No. 4  AND Pg.No 31 Sr.No. 4	Description 16 Ch. 4K 16PoE Network Video Recorder  Up to 16 channel IP camera input  H.265/H.264 dual codec decoding  Up to 8Mp resolution preview and playback  100 Mbps incoming/outgoing bandwidth or higher  Support 4 SATA HDDs up to 24TB, 2 USB Ports(1 USB3.0), 16 PoE Ports  HDMI/VGA simultaneous video output  Support Multi-brand network cameras	Quantity 4	Description 16-port Gigabit Ethernet managed PoE/PoE+ Switches  10/100/1000BASE-T RJ-45 Copper Ports – 16  1G SFP Uplink – 2  PoE+ 802.3at Ports (Budget) – 16 (180w)  Power Supply – Internal  Rack Mountable	Quantity 4
Pg. No. 15 Clause 6 6.1 Sr. No. 5  AND Pg.No. 27 Sr.No. 5  AND Pg.No. 31 Sr.No. 5	Description 8 Ch. 4K 8PoE H.265 Network Video Recorder  Support up to 1ch@8MP/8ch@1080P/720p decoding  H.265/H.264 dual codec decoding  Up to 8MP resolution preview and playback  100 Mbps incoming/outgoing bandwidth or higher	Quantity 2	Description 8-port Gigabit Ethernet managed PoE/PoE+ Switches  10/100/1000BASE-T RJ-45 Copper Ports – 8  1G SFP Uplink – 2  PoE+ 802.3at Ports (Budget) – 8 (90w)  Power Supply – Internal  Rack Mountable	Quantity 2

	Support 2 SATA HDDs up to 12 TB, 2 USB ports, 8PoE Ports		
	HDMI / VGA simultaneous video output		
	Support Multi-brand network cameras		
Pg. No. 15 Clause 6 6.1 Sr. No. 6	Description 4 TB Surveillance Hard Drive - SATA 6Gb/s 64MB Cache 3.5-Inch Internal Drive	Quantity 4	Description 64 Ch. Network Video Recorder
AND			Up to 64 IP channel
Pg.No. 28 Sr.No. 6			H.265/H.264 dual codec decoding
AND			Up to 8Mp resolution preview and playback
Pg.No. 32 Sr.No. 6			320 Mbps incoming/outgoing bandwidth or higher
			Support 4 or more SATA HDDs, RAID Compatible
			Built-in 4TB Storage
			HDMI/VGA simultaneous video output
			Support Multi-brand network cameras
Pg. No. 15 Clause 6 6.1 Sr. No. 7	Description 2 TB Surveillance Hard Drive - SATA 6Gb/s 64MB Cache 3.5-Inch Internal Drive	Quantity 2	Description 4U CCTV/DVR/NVR Cabinet Box/DVR Rack Wall Mount with Lock/Network Rack/Server Rack with Power Socket - Cooling Fan - Adjustable Shelf
AND			7
Pg.No. 28 Sr.No. 7			
AND			

Pg.No. 32 Sr.No. 7										
Pg. No. 15 Clause 6 6.1 Sr. No. 12  AND  Pg.No. 28 Sr.No. 12  AND  Pg.No. 33 Sr.No. 12	<table border="1"> <thead> <tr> <th>Description</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>CCTV Server (Ryzen 7, 16GB DDR4 RAM, 1TB nvme m.2 SSD + 16TB HDD, X570 Motherboard and 6GB Graphic Card) with 27" monitor.</td> <td>1</td> </tr> </tbody> </table>	Description	Quantity	CCTV Server (Ryzen 7, 16GB DDR4 RAM, 1TB nvme m.2 SSD + 16TB HDD, X570 Motherboard and 6GB Graphic Card) with 27" monitor.	1	<table border="1"> <thead> <tr> <th>Description</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Windows 10 Pc for CCTv (Ryzen 5 3600, 8 GB DDR4 RAM, 256 GB NVMe m.2 SSD, 2 TB, B450 Motherboard, 2 GB Graphic Card, With 27" Full HD Monitor)</td> <td>1</td> </tr> </tbody> </table>	Description	Quantity	Windows 10 Pc for CCTv (Ryzen 5 3600, 8 GB DDR4 RAM, 256 GB NVMe m.2 SSD, 2 TB, B450 Motherboard, 2 GB Graphic Card, With 27" Full HD Monitor)	1
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Pg. No. 16 Clause 6 6.2		g. The Bidder would be responsible for complete installation work, cabling and demonstration of functioning of the system to claim completion of work.								

# Indian Maritime University, Navi-Mumbai Campus

