



Government of West Bengal
Department of Health & Family Welfare
Office of the Principal
Malda Medical College & Hospital, Malda WB 732101
Phone:-(03512)221087 E-Mail:-prin_mldmch@wbhealth.gov.in

Memo No. P/MLD-MC/881

Date-11.03.2023

NOTICE INVITING E-TENDER FOR THE "SUPPLY , INSTALLATION , TESTING AND COMMISSIONING OF CCTV CAMERAS WITH CMC FOR THREE YEARS BY THE PRINCIPAL, MALDA MEDICAL COLLEGE & HOSPITAL, MALDA".

Notice Inviting e-Tender No. **P/MLD-MC/NIT 13/2022-23** of the Principal, Malda Medical College & Hospital, Malda – 732101 , for the works detailed in the table below.

(Through Pre-qualification)
(Submission of Bid through NIC e- tender portal)

Principal of Malda Medical College ,Malda invites e-tender on behalf of the Health & Family Welfare Department, Government of West Bengal for obtaining the rate per annexed list from the bonafide manufacturer/ authorized distributor. Necessary earnest money to be submitted for participation in the Tender through the process may be followed as per memorandum of the Finance Department Audit Branch bearing Memo No-3975-F(Y) dated: 28th July, 2016 (GRIPS):-

SI No	Name of the Instrument	Qty	EMD
1	SITC OF CCTV CAMERAS 2K---20 nos 4K---5 nos	25	Rs-11000.00 (Eleven Thousand)
	Annual AMC Cost for Existing Devices	25	

SI. No.	e-NIT No.	Name of the Work	Target date of Completion
01.	<u>P/MLD-MC/NIT 13/2022-23</u>	<u>SUPPLY , INSTALLATION , TESTING AND COMMISSIONING OF CCTV CAMERAS WITH CMC FOR THREE YEARS</u>	45 days from the date of Final Work Order.

ADVISORY REGARDING INSTALLATION OF CCTV CAMERAS

1) The cameras should be on if the compliant IP is ready
2) It may use NVR for local storage and can send the feed to NMC CCC through MCs router provided by local internet service provider and should be with minimum 3 days full storage.
3) Bandwidth (MPLS or ILL)
4) 2k onvif compliant camera may also fulfill the requirement except at Lecture Hall where 4K camera must require.

PRESCRIBED PLACES FOR CAMERA INSTALLATION

Sr.No.	Prescribed places for camera installation	Prescribed Number of Cameras to be installed
1	Main Entrance of the Hospital & College	1
2	Patient Registration Counter	2
3	OPDs(Depending upon number of OPDs in the college) it should cover the Medicine OPD, Surgical OPD, Gynaecological OPD, Paediatrics OPD, Orthopaedics OPD etc.	5
4	Pre anaesthesia area and recovery area in the operation theatre complex	2
5	Faculty Lounge and Attendance marking area	2

6	All 5 Lecture Theaters	5 (4K)
7	Anatomy Dissection Hall	1
8	Physiology Lab/ Bio Chemistry UG Labs	2
9	Patho and Micro Biology Labs	2
10	Pharmacology Lab	1
11	Patient Attendant waiting area	1
12	Emergency and Casualty Ward	1

Tender Specification

1	<p>SITC of IP 4 MP IR Bullet Network Camera (complete with perpetual licnese) with Fixed -Focal Eye ball having minimum technical specification :</p> <p>Image Sensor ; 1/2.7" Progressive Scan CMOS ; Min illumination : Color : 0.01 lux @ F2.0 (Color, 30 IRE) ,0.001 lux @ F2.0 [B/W,30 IRE], 0 lux 30 IRE), 0 lux with IR; Max. Resolution 2688 [H] x 1520 [V], ROM 16MB, RAM 128 MB, Scanning System - Progressive, Electronic shutter speed Auto/ Manual 1/3 s-1/100,000 , Video compression main stream sH. 265+/H.265+/H.264/ H.264/MJPEG; Video Bit Rate : 128 Kbps to 8 Mbps ; Focal Length 3.6 mm; 6 mm; 8mm; Max. Aperture - 3.6mm; F2.0; 6mm; F2.0; 8mm: F2.0, Field of View 3.6 mm: Horizontal : 84° ; Vertical - 45° ; Diagonal: 100°; 6mm: Horizontal : 51° ; Vertical - 29° ; Diagonal: 59°; 8mm: Horizontal : 39° ; Vertical - 21° ; Diagonal: 45°; Iris Control Fixed Close Focus distance 3. 6mm: 1.2m (3.94ft) ; 6mm: 2.6m (8.53ft); 8mm: 4.3 (14.11ft) , Day/ Night Auto (ICR)/ Color/B/W, BLC - Yes , HLC- Yes, WDR- 120 dB, White Balance - Auto ; natural; street lamp ; outdoor; manual; regional custom, Gain Control - Auto ; Manual, Noise Reduction - 3D NR, Motion Detection - OFF/ ON (4 areas, rectangular), Smart Illumination - Yes, Mirror- Yes, Privacy Masking 4 areas; Image Setting : Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser; Day/ Night Switch: Day / Night / Auto/ Schedule / Triggered by Alarm In ; Alarm Trigger : Motion detection, video tampering network disconnected, IP address conflict, illegal login, HDD full, HDD error, Alarm input, Alarm output ; Alarm output Protocols : TCP/IP, ICMP, HTTP, etc; Edge Analytic: line crossing, region entry/ exit, intrusion, video blur, face capture, detection, etc; Simultaneous Live View: Up to 6 channels; User/ Host: Up to 8 Users, 3 levels : Administrator, Operator and user; Interface : 1 input (line in 3.5 mm), 1 output (3.5mm), single track/ 1 RJ 45 IOM/IOOM power, Supply - 12 V De / PoE, Power Consumption - Basic : 2.1 W (12 VDC) ; 2.9 W (PoE) ; Max. (ICR + H.265 + IR intensity) : 5.8 W (12 VDC) ; 6.6 W (PoE)/ Built - in Micro; Material: Metal; Protection level: IP 66, Lightning protection , Surge protection and Voltage Transient Protection. REGULATORY: CE, FCC, UL, ONVIF, BIS; POLE Mounting Bracket for Camera (ifrequired as per at site) Warranty : 02 (TWO) years onsite comprehensive OEM warranty with parts and service.</p>
---	---

2.	<p>SITC of IP 4 MP IR Dome Network Camera (complete with perpetual license) with Fixed - Focal having minimum technical specification :Image Sensor ; 1/3" 4 Megapixel Progressive CMOS ; Min illumination : Color : 0.03 lux @ F2.0 (Color, 30 IRE) ; Max. Resolution 2688 [H] x 1520 [V], ROM 128MB, RAM 128 MB, Electronic shutter speed - Auto/ Manual 1/3 s-1/100,000 s, Scanning System -Progressive, Pan/ Tilt/ Rotation Range: Pan : 0° - 355°, Tilt : 0° - 65°, Rotation : 0° - 355°, Video Compression Main stream sH.265+/H.265+/H.264/H.264/ MJPEG; Video Bit Rate : 128 Kbps to Mbps ; Focal Length 3.6 mm; 6mm; 8mm, Max Aperture - F2.0; Field of view : 2.8 mm: Horizontal : 93° , Vertical - 53° , Diagonal: 111° , 3.6mm: Horizontal : 81° , Vertical:- 44° , Diagonal: 95°; Iris Control Fixed Close ; Day/ Night Auto (ICR) I Color /B/W, BLC- Yes, HLC - Yes, WDR - 120 dB, White Balance -Auto; Natural; Street lamp; outdoor; manual; regional custom , Close Focus Distance : 2.8mm: 0.8 m (2.6ft), 3.65 mm: 1.4m (4.6ft) : WDR - 120 dB; Gain Control - Auto ; Manual , Noise Reduction - 3D NR, Motion Detection - OFF I ON (4 areas, rectangular), Smart Illumination - Yes, Mirror - Yes, Privacy Masking 4 areas; Image Setting: Rotate Mode, Saturation, brightness, contrast, sharpness adjustable by client software or web browser; Day I Night Switch: Day/ Night I Auto/ Schedule/ Triggered by Alarm In ; Alarm Trigger : Motion detection, video tampering network disconnected, IP address conflict, illegal login, HDD full, HDD error, Alarm input, Alarm output ; Alarm output Protocols : TCP/IP, ICMP, HTTP, etc; Edge Analytic: line crossing, region entry/ exit, intrusion, video blur, face capture, detection, etc; Simultaneous Live View: Up to 6 channels; User/ Host: Up to 8 Users, 3 levels : Administrator, Operator and user; Interface : 1 input (line in 3.5 mm), 1 output (3.5mm), single track/ 1 RJ 45 IOM/IOM power, Supply - 12 V DC I PoE, Power Consumption < 5.5 W ;2.9 W (PoE) ; Max. (ICR + H.265 + IR intensity): 5.8 W (12 VDC) ; 6.6 W (PoE)/ Built - in Micro; Material: Metal; Protection level: IP 66, IK IO, Lightning protection , Surge protection and Voltage Transient Protection. REGULATORY: CE, FCC, UL, ONVIF, BIS; POLE Mounting Bracket for Camera (if required as per at site) Warranty : 02 (TWO) years onsite comprehensive OEM warranty with parts and service.</p>
3	<p>SITC of 5 MP IR Fisheye Network Camera (complete with perpetual license) with having minimum technical specification: 5 MP, 112.7" CMOS image sensor, low illuminance, High image definition. Outputs max. 5 MP (2592 x 1944) @ 25/30 fps .H. codec, high compression rate, ultra- low bit rate. Built in efficient IR illuminator, and the max. illumination distance: IOM. 120dB WDR, 3D DNR, HLC, BLC, digital water making applicable to various monitoring scense: Image Sensor 112.7" 5 Megapixel progressive CMOS: Max. Resolution : 2592 (H) x 1944 (V), ROM 128 MB, RAM 512 MB; Scanning system progressive : Electronic Shutter Speed Auto/ Manual 1/3 s-11100,000 s; Min. Illumination 0.006 Lux @ F2.0; SIN Ratio >56 db Illumination Distance IOM (32.8 ft); illuminator on/off Control Auto/ Manual; Illuminator Number 3 (IR LED) Lens; Lens Type : Fixed - focal; Focal Length : 1.4 mm ; Max, Aperture : F2.0; Field of view Horizontal : 180° ; Vertical - 180° ; Diagonal: 180°, Iris Type fixed, Close Focus Distance 0.2 m (0.7 ft); Video Compression H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream), Smart Codec Smart H. 265+/ Smart H.264+ Video Frame Rate, Main stream (2592 x 1944 @ 1-25/30 fps): sub stream (704 x 576 @ 1-25 fps/704 x 480 @ 1-30 fps), third stream (1280 x 720 @ 1-25/30 fps); Video Bit Rate H. 264: kbps- 8192 kbps H. 265: 3 kbps-8192 kbps, Day/ Night Auto (IRC) I Color /B/W; Built -in MIC, Audio Compression PCM; G.71 la; G.711 Mu; G726; AAC Alarm: Alarm Event, No SD card; SD card full ; SD card error; network disconnection ; IP conflict ; illegal access; motion detection ; video tampering ; tripwire; Network: Network RJ- 45 (10/100 Base - T), User/ Host : Up to 8 users, 3 levels : Administrator, Operator and user; Interface : 1 input (line in 3.5 mm), 1 output (3.5mm), single track/ 1 RJ 45 IOM/IOM power, Supply - 12 VDC I PoE, Power Consumption - Basic : 2.1 W ; (12 VDC) 2.9 W (PoE) ; Max. (ICR + H.265 + IR intensity): 5.8 W (12 VDC) ; 6.6 W (PoE)/ Built - in Micro; Material: Metal; Protection level: IP 66, Lightning protection , Surge protection and Voltage Transient Protection. REGULATORY: CE, FCC, UL, ONVIF, BIS; POLE Mounting Bracket for Camera (if required as per at site) Warranty : 02 (TWO) years onsite comprehensive OEM warranty with parts and service.</p>

4

SITC OF 32 Channel IP 4K NVR having minimum technical specification :

Main Processor : Industrial -grade embedded processor ; OS: Embedded Linux; Operation Interface: Web I operating is local GUI; Video Input: 32 Channel IP Fully Featured NVR; Audio Input/ Output : 1 Channel Input /2 Channel Outputs, RCA; Display interface: 1 HDMI (1 HDMI up to 3840 x 2160) ; 1 VGA; Display Split : 1,4,8,9,16,25,32 views ; OSD: Camera title ; Time; Video loss; Camera lock; Motion detection ; Recording ; Compression: H.265/H.264/ MJPEG/MPEG4; Resolution : 8 MP (3840 x 2160); 6 MP (3072 x 2048); 5 MP (2560 x 1920); 4 MP (2560 x 1440); 3 MP (2048x 1520); 1080 P (1920 x 1080); 720p (1280 x 720) ; DI (704 x 576/704 x 480); CIF (352 x 288/352 x 240) ; Frame Rate : 1-15 fps (12 MP and 8 MP); 1-25/30 fps (rest of the resolutions) ; Record Bit Rate 256 Mbps or 200 Mbps; Bit Rate : 16 Kbps - 20 Mbps, per channel; Recording Mode: Schedule (Regular I Continuous, Motion Detection, Alarm); Manual ; Stop ; Trigger Events : Recording ; PTZ; Tour ; Alarm; Video Push ; Email; FTP; Snapshot; Buzzer ; Video Detection : Motion Detection - MD Zones: 396 (22 x 18) ; Video Loss; Camera Blank ; Relay Output : 6 Channels; Storage : Internal HDD : 2 SATA ports (minimum) , HDDs expandable : Minimum 20 TB or higher (10 TB each or higher, Hard Disk Not Included) ; Sync Playback: Up to 32 channels for playback; Search Mode : Time I Date ; Alarm; Motion Detection (MD) ; Exact Search (accurate to a second) ; Smart Search ; Playback Function : 1 .Play/ pause/stop/ slow/quick/backward/by frame , 2.Full screen, backup (video clip/file), partial zoom in, and audio on/off ; Digital Zoom ; Network : Ethernet: 1 RJ -45 port (10/100/1000 Mbps) ; Supported Protocols; HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP search, P2P, RAID enabled; Network Throughput : Input 256 Mbps or 200 Mbps; Output 256 Mbps or 200 Mbps; Cascading: Built -in CMS to Monitor and Manage Multiple Matrix NVRs; ONVIF and Major Camera Brands Support; USB Port : 4; RS232: 1 port (for PC communications and keyboard). Temperature : - 102C - + 552C; REGULATORY; CE, FCC, UL, ONVIF, BIS; Warranty : 02 (TWO) years one site comprehensive OEM warranty with parts and service.

Imporant Dates & Information:

	Items	
1.	Date of uploading of N.I.T. Documents (online) from this end.	11.03.2023 at 17.00 Hrs.
2.	Documents download/sell start date (Online)	12.03.2023from 11.00 Hrs.
3.	Date of Pre Bid Meeting and workshop with the intending bidders at the office of the Principal of Malda Medical College.	20.03.2023 at 12.00 Hrs.
4.	Date of hoisting of documents at Departmental Website (www.wbhealth.gov.in) & www.maldamedicalcollege.co.in	11.03.2023 at 17.00 Hrs.
5.	Bid Submission starting (On line)	26.03.2023 at 14.00 Hrs.
6.	Bid Submission closing (On line)	12.04.2023 at 18.00 Hrs.
7.	Bid opening (Bid A)	17.04.2023 at 1 P.M.

PRINCIPAL OF MALDA MEDICAL COLLEGE RESERVES THE RIGHT TO CHANGE THE ABOVE SCHEDULE IN CASE OF ANY EXIGENCIES AFTER PUTTING UP A NOTICE IN THE DEPARTMENTAL WEBSITE AND MALDA MEDICAL COLLEGE NOTICE BOARD.

The document containing the specification, quantity of items and the eligibility criteria of the applicants etc. may be obtained from the web site www.wbhealth.gov.in under the option '**TENDER**' & <https://wbtenders.gov.in>

Interested bidders may attend the Pre-BID meeting to be held on **20.03.2023 at 12 noon** at the office of the Principal, Malda Medical College, Malda .

The Tender documents in this regard will also be made available in the departmental website – www.wbhealth.gov.in (under the '**TENDER**' Section link) and <https://wbtenders.gov.in>

No objections in this respect will be entertained raised by any Bidder who will present during opening of bid, or from any Bidder who will absent at the time of opening of Financial Bid. No informal tenderer will be entertained in the Bid further.

During the scrutiny, if it comes to the notice to tender inviting authority that the credential or any other paper found incorrect/ manufactured/ fabricated, that bidder would not allowed to participate in the tender and that application will be out rightly rejected without any prejudice.

A HELP DESK is set up at Malda Medical College to help and guide the prospective bidders. Prospective bidders may contact personally or over **phone vide phone no 03512-221186/221085 or mail** their queries in the following e mail addresses : prin_mldmch@wbhealth.gov.in . Prospective bidders must take training from authorised agencies before submission of their bids. The Tender Selection Committee reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

Sd/-

Principal
Malda Medical College

Memo No. P/MLD-MC/

Date-


Copy forwarded for necessary information and necessary action to

- 1)The DME, West Bengal, Swasthya Bhawan, GN-29, Sec-V, Salt Lake, Kol-91
- 2)The DHS, West Bengal, Swasthya Bhawan, GN-29, Sec-V, Salt Lake, Kol-91
- 3)The District Magistrate, Malda.
- 4)The Jt.DHS,SPRC(PPP Cell), W.B.,swasthya Bhawan, GN-29,Sec-V, Salt Lake,Kol-91.
- 5)The MSVP, Malda Medical College& Hospital, Malda
- 6)The Chief Medical Officer of Health, Malda.
- 7)The Karmadhakshya, JSS, Zilla Parishad, Malda.
- 8)The Sub-Divisional Officer, Malda.
- 9) The Dy.Superintendent, Malda Medical College & Hospital, Malda.
- 10) The Nurshing Superintendent, Malda Medical College,Malda.
- 11) The Treasury Officer, Malda Medical College, Malda.
- 12) The Accounts Officer, Malda Medical College, Malda.
- 13) The Accounts Officer, Malda Medical College & Hospital, Malda.
- 14) The Technical Officer, SPRC(PPP Cell), Swasthya Bhawan, Sec-V,Salt Lake, Kol-91
- 15) The Asst.Suptd.(NM)(All),Malda Medical College, Malda.
- 16) The Account Section of Malda Medical College, Malda.

17) The IT Co-ordinator, IT Cell, Swasthya Bhawan, GN-29, Sec-V, Salt Lake, Kol-91

18) The Head Clerk of MAlda Medical College, Malda.

19) The Guard File.



Principal
Malda Medical College