



ZILLA SWASTHYA SAMITI, MALKANGIRI  
DISTRICT PROGRAMME MANAGEMENT SUPPORT UNIT  
NHM, MALKANGIRI



Mail [cdmomkg@gmail.com](mailto:cdmomkg@gmail.com)

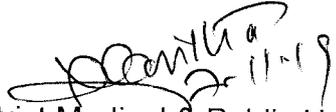
Phone/Fax: 06861-231543

Letter No 9986 /DPMSU/NHM

Date: 08-11-2019

**TENDER NOTICE FOR SUPPLY, INSTALLATION, COMMISSIONING,  
CONFIGURATION AND OPERATION OF CCTV SURVEILLANCE SYSTEM  
IN DISTRICT HEAD QUARTER HOSPITAL, MALKANGIRI**

Sealed and signed tender paper are invited from the bidder with super scribed on the top of the envelop "**TENDER CALL NOTICE FOR SUPPLY OF (CCTV Surveillance System)**" the sealed tender paper should reach to the undersigned on or before dt **23.11.2019** by 5.00 pm through regd. Post / speed post/ Courier only to the address " Chief District Medical & public health officer, Malkangiri" and it will be opened on dt **25.11.2019 at 4.00 PM** in the presence of the authorized representatives. The firms are requested to log on the district website [www.malkangiri.nic.in](http://www.malkangiri.nic.in) for the detail terms & conditions and technical specification etc. the undersigned reserves to cancel any or call of the tender without assigning the reason thereof.

  
Chief District Medical & Public Health Officer  
Malkangiri



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**THE TERMS AND CONDITIONS**

- The undersigned shall have the right to reject all or any of the quotation without assigning any reason thereof.
  - The tender received after due date and time will be rejected. The tender paper will be received through regd. Post / speed post/ Courier services only.
  - Two stages bidding system will be done (Technical Bid & Price bid)
  - The bidders are to submit their tender in a separate envelope for Technical Bid & Price bid by super scribing cover A:(Technical Bid) & Cover B: (Price Bid) and both the sealed cover should be put into third cover which should be scribed on the top of the envelop "TENDER CALL NOTICE FOR SUPPLY OF (CCTV Surveillance system.
  - The bidder submit a sum of Rs. 2000/- (Rupees Two thousand only) as tender fee (non refundable) and Rs. 25000/- (Rupees Twenty five thousand only) as EMD (refundable without any interest) for the unsuccessful tender. The tender fee and EMD should be submit in shape of Demand draft drawn in favour of ZSS NRHM ADDITIONALITY, Malkangiri and payable at Malkangiri.
  - The supply or installation should be made within the period prescribed in the supply order.
  - The detail specification and requirement regarding the items may be sent at annexure A, annexure L.
  - The bidder has to quote the rate inclusive of all taxes, duties, freight etc. & any other statutory dues as applicable.
  - The rate should be valid for a period of one year from the approval of the purchase committee
  - **For all items like CCTV Camera, NVR, Hard Disk, POE Switch etc.** : The quoted prices should include 2 year's warranty. The period of warranty shall be 24 months from the date of installation & commissioning. Free replacement of all defective components is to be provided during the warranty period.
  - This Tender notice shall form a part of contract document
  - The vendors are advised to read carefully the "Instructions" and "Eligibility Criteria" contained in the tender documents
- **E. Payment Terms**
01. 90% of the contract value will be paid after delivery of materials & installation.
  02. Balance 10% will be released after 3 months of the successful execution subject to smooth operation of the items supplied

  
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**PARTICULARS OF EQUIPMENT**

Following items are required by the undersigned

SI No	Particulars	annexure
1	Megapixel HD Fixed Dome IR Network Camera	A
2	Megapixel HD Fixed IR Bullet Network Camera.	B
3	Network Video Recorder 32 Channel	C
4	Network Video Recorder 16 Channel	D
5	CAT 6 UTP CABLE	E
6	POE SWITCH	F
7	6 U RACK/4 U Rack	G
8	Surveillance HDD(4 TB/6 TB)	H
9	49" LED TV with HDMI Cable	I
10	On-line UPS (1 KVA)	J
11	Supply & Laying of Cat 6 CABUL IN PVC, Power Cable in PVC, PVC PIPE, including Labour Charge (Per Meter).	K
12	CCTV installation Charge (per unit)	L

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**ANNEXURE- A (2.4 Megapixel HD Fixed Dome IR Network Camera)**

Image Sensor	2.4 mega pixels progressive scan CMOS Sensor
Effective Pixels	1280 (H) × 960 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual, 1/3 - 1/100,000 s
Min. Illumination	0.05 lx / F1.2 (Color), 0.025 lx / F1.2 (B/W) ; 0 lx / F1.2 (IR on)
S/N Ratio	More than 50 dB
Video Output	N/A
Camera Features	
Max. IR LEDs Length	30 m
Day/Night (ICR)	Auto (IR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR
White Balance	Auto / Manual
Gain Control	Auto / Manual
Noise Reduction	3D
Privacy Masking	Up to 4 areas
Lens	
Focal Length	2.8 mm - 6.0 mm
Max Aperture	F2.0 - F1.8
Angle of View	H : 89° V : 64.5° - H : 46.5° V : 35°
Lens Type	Fixed lens
Video	
Compression	H.264 / MJPEG
Resolution	2 M (1280 × 960) / 720p (1280 × 720) / D1 (704 × 480) / CIF (352 × 240)
Frame Rate Stream (1) Stream (2)	2 M / 720p (1 - 30fps)
D1/CIF (1 - 30fps)	
Bit Rate	H.264 : 32 K - 8192 Kbps
Network	
Ethernet	RJ45 (10/100Base-T)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter , QoS, Bonjour, Onvif compatible
Max. User Access	20 users
Smart Phone	iPhone, iPad, Android™
General	
EMS Standard	EN55022 Class B, EN55024
Power Supply	DC12 V, PoE (IEEE802.3af)
Power Consumption	Max 4 W
Ambient Operating Temperature/ Humidity	-20°C to +60°C / Less than 95% RH
Water and Dust Resistance	IP66 rated water and dust resistant.
Dimensions	ø113.6 mm × 85.8 mm
Weight	0.29 kg

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**ANNEXURE- B (2.4 Megapixel HD Fixed Bullet IR Network Camera)**

Image Sensor	2.4 mega pixels progressive scan CMOS Sensor
Effective Pixels	1280 (H) × 960 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual, 1/3 - 1/100,000 s
Min. Illumination	0.05 lx / F1.2 (Color), 0.025 lx / F1.2 (B/W) ; 0 lx / F1.2 (IR on)
S/N Ratio	More than 50 dB
Video Output	N/A
<b>Camera Features</b>	
Max. IR LEDs Length	30 m
Day/Night (ICR)	Auto (IR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR
White Balance	Auto / Manual
Gain Control	Auto / Manual
Noise Reduction	3D
Privacy Masking	Up to 4 areas
<b>Lens</b>	
Focal Length	3.6 mm - 6.0 mm
Max Aperture	F1.8
Angle of View	H : 70° V : 46.5°
Lens Type	Fixed lens
<b>Video</b>	
Compression	H.264 / MJPEG
Resolution	2 M (1280 × 960) / 720p (1280 × 720) / D1 (704 × 480) / CIF (352 × 240)
Frame Rate Stream (1) Stream (2) D1/CIF (1 - 30fps)	2 M / 720p (1 - 30fps)
Bit Rate	H.264 : 32 K - 8192 Kbps
<b>Network</b>	
Ethernet Protocol	RJ45 (10/100Base-T) IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, Onvif compatible
Max. User Access	20 users
Smart Phone	iPhone, iPad, Android™
<b>General</b>	
EMS Standard	EN55022 Class B, EN55024
Power Supply	DC12 V, PoE (IEEE802.3af)
Power Consumption	Max 4 W
Ambient Operating Temperature/ Humidity	-20°C to +60°C / Less than 95% RH
Water and Dust Resistance	IP66 rated water and dust resistant.
Dimensions	70 mm × 66 mm × 160mm
Weight	0.5 kg

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**ANNEXURE- C (Network Video Recorder (NVR) 32 Channel)**

Main Processor	Duel Core Embedded Processor
Operating System	Embedded Linux
IP Camera Input	32 Channel
Two-way Talk	1 channel input,1 channel output, RCA
Interface	1 HDMI,1 VGA,1 TV
Resolution	1920x1080,1280x1024,1280x720,1024x768
Display split	1/4/8/9/16
OSD	Camera title, Time, Camera lock, Video lose, motion dictation, Recording
Compression	H264/MJPEG
Resolution	5MP(2560x1920) / 3MP(2048x1536) / 1080P(1920x1080) / 720(1280x720) / D1(704x576/704x480)&etc
Record Rate	200Mbps
Bit Rate	48 – 8192kbps
Record Mode	Manual, Schedule, Regular(continuous),MD, Alarm, Stop
Record Interval	1 – 120min (default 60min),Pre-record: 1-30sec, post record: 10-300sec
Tigger Event	Recording,PTZ,Tour,Alarm,Video Push,Email,FTP,Snapshot,Buzzer&Screentips
Video Detection	Motion Detection,MD Zones:396(22x18),Video Loss &Camera Blank
Alarm Input	16 Channel
Relay Out Put	4 Channel
Sync Playback	1/4/8/16
Search Mode	Time/Date, Alarm, MD & Exat Search(accurate to second),Smart Search
Play Back Function	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Pre File, Next Camera, Pre Camera, Full Screen, Reapt, Shuffle, Backup Selection, Digital Zoom
Back Up Mode	USB Drive/Network/Internal SATA Burner/e SATA Device
Ethernet	1 RJ-45 port (10/100/1000mbps)
Network function	HTPP,TCP/IP,IPv4/IPv6 UPNP,RTSP, UDP, SMTP, NTP, DHCP, DNS, IP filter, PPPOE, DDNS, FTP, alarm, server, IP search
Max. user access	128 users
Smart phone	I phone, I pad, android
Internal HDD	4 SATA port, up to 16 GB
External HDD	1 eSATA port
USB	2 port(1Rear USB3.0,1 front USB 2.0 )
RS232	1 port, for pc communication & keyboard
RS485	1port,for PTZ control
Power supply	AC100V-240V,50/60HZ
Power consumption	40W(without HDD)
Working environment	-10 C -+55 C/10% -90%RH/86-106kpa

  
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**ANNEXURE- D (Network Video Recorder (NVR) 16 Channel)**

Main Processor	Duel Core Embedded Processor
Operating System	Embedded Linux
IP Camera Input	16 Channel
Two-way Talk	1 channel input,1 channel output, RCA
Interface	1 HDMI,1 VGA,1 TV
Resolution	1920x1080,1280x1024,1280x720,1024x768
Display split	1/4/8/9/16
OSD	Camera title, Time, Camera lock, Video lose, motion dictation, Recording
Compression	H264/MJPEG
Resolution	5MP(2560x1920) / 3MP(2048x1536) / 1080P(1920x1080) / 720(1280x720) / D1(704x576/704x480)&etc
Record Rate	200Mbps
Bit Rate	48 – 8192kbps
Record Mode	Manual, Schedule, Regular(continuous),MD, Alarm, Stop
Record Interval	1 – 120min (default 60min),Pre-record: 1-30sec, post record: 10-300sec
Tigger Event	Recording,PTZ,Tour,Alarm,Video Push,Email,FTP,Snapshot,Buzzer&Screentips
Video Detection	Motion Detection,MD Zones:396(22x18),Video Loss &Camera Blank
Alarm Input	16 Channel
Relay Out Put	4 Channel
Sync Playback	1/4/8/16
Search Mode	Time/Date, Alarm, MD & Exat Search(accurate to second),Smart Search
Play Back Function	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Pre File, Next Camera, Pre Camera, Full Screen, Reapt, Shuffle, Backup Selection, Digital Zoom
Back Up Mode	USB Drive/Network/Internal SATA Burner/e SATA Device
Ethernet	1 RJ-45 port (10/100/1000mbps)
Network function	HTPP,TCP/IP,IPv4/IPv6 UPNP,RTSP, UDP, SMTP, NTP, DHCP; DNS, IP filter, PPPOE, DDNS, FTP, alarm, server, IP search
Max. user access	128 users
Smart phone	I phone, I pad, android
Internal HDD	4 SATA port, up to 16 GB
External HDD	1 eSATA port
USB	2 port(1Rear USB3.0,1 front USB 2.0 )
RS232	1 port, for pc communication & keyboard
RS485	1port,for PTZ control
Power supply	AC100V-240V,50/60HZ
Power consumption	40W(without HDD)
Working environment	-10 C +55 C/10% -90%RH/86-106kpa

  
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**ANNEXURE- E (Cat.6 UTP Solid Cable)**

Cable Type	UTP Solid Cat6
No. of Wires	4 Pair
Rip Cord Material	Nylon
Cable Length	305M
Conductor Material	Bare Copper Solid
Construction	23AWG
Insulation Material	Polyethylene
Insulation Thickness	0.22±; 0.02mm
Insulation Diameter	0.93 ±; 0.05mm
Jacket Material	PVC
Jacket Thickness	0.69 mm (Min. Thickness)
Jacket Diameter	5.8 ±; 0.20mm
Insulation Resistance	Min. 5000 mega ohms-km at 20°C
Dielectric Test	1000V DC / 1min: No Breakdown
Temperature Rating	75° C
Voltage Rating	30V
Certification & Standards	EIA /TIA 568C,ETL Verified ,ISO/IEC 11801,ISO 9001:2000

**ANNEXURE- F (POE Switch)**

Link/Act	Solid (RJ45 port is connected) Blinking (RJ45 port data is transmission) Off (RJ45 port is not connected or not properly connected)
Power	Solid (Power On) Off (Switch is Power Off / No power)
Standards	IEEE802.3, 802.3u, 802.3x, & 802.3af
Number of Ports	8 x 10/100/1000M RJ45 PoE Ports 1 x 10/100/1000M RJ45 Uplink Port
Power Input	52V DC /1.25A
Network latency	Less than 20us for 64-byte frames in Store-and- forward mode
Backplane Bandwidth	10GBPS
Processing types	Store-and-forward Half-duplex back pressure IEEE802.3x full- duplex flow control
Operating Temperature	0 ~45 (32 ~104 )
Storage Temperature	-40 ~70 (-40 ~158 )
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing
Rugged metal housing	desktop / wall-mount

  
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**ANNEXURE- G (4 U and 6 U Rack)**

Front Door with Toughened Glass quality.

- Adjustable Mounting rails - Front and Back
- 1 Fan Mounting provision Top and bottom cable entry provides Optimal flexibility for cable management
- Easy wall mount provision
- Frame structure with max loading capacity up to 60kg
- Compatible with 19" International standards

**ANNEXURE- H (Surveillance HDD (4 TB/6 TB))**

Formatted capacity <sup>2</sup>	4TB / 8 TB
Data transfer rate (max)	6 Gb/s
Buffer to host	150 MB/s
Host to/from drive (sustained)	
Formatted capacity <sup>2</sup>	4TB / 6 TB
<b>Catch MB</b>	<b>64</b>
Performance Class	5400 RPM Class
Load/unload cycles <sup>4</sup>	300,000
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>
Temperature (°C, on the base casting)	0 to 65
Operating	-40 to
Non-operating	
Shock (Gs)	30
Operating (2 ms, read/write)	65
Operating (2 ms, read)	250
Non-operating (2 ms)	

**ANNEXURE- I (LED TV with HDMI Cable )**

LED TV with HDMI Cable	Minimum 49", HDMI, USB, VGA, Ethernet, AV input, 3.5 Jack, Speaker – 2 Nos., Speaker Output – 2.
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**ANNEXURE- J (Online UPS)**

Online UPS	Minimum 1 KVA with 2hrs. backup
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**ANNEXURE- K (Labour Charge)**

Labour Charge	Supply & Laying of Cat 6 CABUL IN PVC, Power Cable in PVC, PVC PIPE, including Labour Charge (Per Meter).
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**ANNEXURE- H (installation Charge)**

installation Charge	CCTV installation Charge (per unit)
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**Note:** The above equipment's/ cameras needs to be integrated/ installed the new network Infrastructure of the Campus

  
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**FINANCIAL/PRICE BID**

Sl. No.	Particulars / Item	Make / Model No.	Rate per unit	GST	Unit Price including GST
1	Megapixel HD Fixed Dome IR Network Camera				
2	Megapixel HD Fixed IR Bullet Network Camera.				
3	Network Video Recorder 32 Channel				
4	Network Video Recorder 16 Channel				
5	CAT 6 UTP CABLE				
6	POE SWITCH				
7	4 U Rack				
8	6 U RACK				
9	Surveillance HDD(4 TB)				
10	Surveillance HDD(6 TB)				
11	49" LED TV with HDMI Cable				
12	On-line UPS (1 KVA)				
13	Supply & Laying of Cat 6 CABUL IN PVC, Power Cable in PVC, PVC PIPE, including Labour Charge (Per Meter).				
14	CCTV installation Charge (per unit)				

Note: The rate quoted should be inclusive of all taxes, duties, freight etc & any other statutory dues a applicable.

  
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Signature of the bidder with seal



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**TECHNICAL BID**

SI No.	Particulars	
1	Name of the Bidder	
2	Organization status(Individual/firm/Company)	
3	Address of the bidder	
4	Contact Person Name	
5	Contact Phone No & Email	
6	GISTIN (Photocopy)	
7	PAN ( Photo Copy)	
8	EMD of Rs. 25000/-	DD No: _____ Date: _____
9	Processing fee for Rs. 2000/-	DD NO: _____ Date: _____

**DECLARATION**

I \_\_\_\_\_ of \_\_\_\_\_

Do here declared that the information given above is to the best of my knowledge & belief.

Signature of the bidder with seal

  
28/1/13  
CDMO cum Dist. Mission Director  
Malkangiri