



**OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC
HEALTH OFFICER**



No :- /DPMSU/NHM

Date:

Corrigendum

In pre-bid conference meeting for supply, installation and commissioning of CCTV SURVILANCE SYSTEMS AT DISTRICT HEAD QUARTER HOSPITAL vide bid reference no 10736 dated 08.11.2020 various suggestion are added from different bidders. Committee members accepted some suggestions of the bidders to maintain transparency bid, so some alternation in the tender technical specification as well as term & condition has been made and replaced in the Malkangiri website [www,malkangiri.nic.in](http://www.malkangiri.nic.in). Accordingly the last date of receipt the tender is extended up to 20.12.2020 up to 5.00 PM.

The technical Bid of the tender will be opened 21.12.2020 at 11.00 AM in the presence of tenderer or their authorized representative by the Chairman of purchase committee at the O/O CDM & PHO, Malkangiri

Sd /-Dr. S.R.Pattnaik
Chief District Medical & Public Health Officer, Malkangiri



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



Mail cdmomkg@gmail.com

Phone/Fax: 06861-231543

Letter No 10736

/DPMSU/NHM

Date:08.11.2020

Sealed Tenders are invited from reputed manufacturers /Authorized Distributors/ Supplier for supply, installation and commissioning of **CCTV SURVILANCE SYSTEMS AT DISTRICT HEAD QUARTER HOSPITAL, MALKANGIRI** through **Speed Post / Regd Post** only.

LAST DATE & TIME OF RECEIPT OF TENDER PAPER: 20.12.2020 up to 05.00 PM

DATE & TIME OF OPENING OF TENDER: -

21.12.2020 at 11.00 A.M

VENUE: -

**OFFICE CHAMBER OF
THE CHIEF DISTRICT
MEDICAL & PUBLIC
HEALTH OFFICER –
MALKANGIRI**

**PLACE OF OPENING OF BID DOCUMENT &
ADDRESS FOR COMMUNICATION FOR RECEIPT OF
BID DOCUMENTS & PRE-BID DISCUSSION-**

**:- CHIEF DIST. MEDICAL &
PUBLIC HEALTH
OFFICER, MALKANGIRI
ODISHA, PIN-764048
cdmomkg@gmail.com
cdm.pho.malkangiri@gmail.com**

SALE OF TENDER / BID DOCUMENT

The Bidders have to download the Tender Documents directly from the WEBSITE available at www.malkangiri.nic.in (all tenders). The Tender Paper cost fee of **Rs.5000/- (Rupees Five Thousand) Only** (Non-refundable) by way of State Bank of India Demand Draft drawn in favour of **ZSS NRHM ADDITIONALITY** payable at **STATE BANK OF INDIA AT MALKANGIRI BRANCH** should be enclosed along-with the Technical Bid. The Bidders should specifically superscribe, **“DOWNLOADED FROM THE WEBSITE”** on the top left corner of the outer envelope containing Technical Bid and Price Bid separately. The Tender Paper cost fee and the EMD amount should be submitted separately in separate State Bank of India demand drafts. In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the website or the office notice board before last date of purchase of tender document and the C.D.M & P.H.O, Malkangiri shall have no responsibility for any delay / omission on part of the bidder.

- a) Price of bid document Rs.5000.00
(Non-refundable)

The tender paper will be rejected, if the bidder changes any clause of the bid document downloaded from the website.

TERMS AND CONDITIONS

1.1 Sealed tenders will be received by dated **20.12.2020** up to **05.00 PM** by the **Chief District Medical & Public Health Officer, MALKANGIRI** in the office of the **CHIEF DISTRICT MEDICAL AND PUBLIC HEALTH OFFICER, MALAKGIRI** for the purchase Supply, installation and commissioning of **CCTV SURVILANCE SYSTEMS AT DISTRICT HEAD QUARTER HOSPITAL, MALKANGIRI**. Any tender received after the due date & time will be rejected / returned to the sender unopened. The tenders will be received through Regd.Posts / Speed Post only. No tender paper submission through the person/persons by hand is accepted.

1.2 The bidder(s) are to submit their tender in separate sealed covered envelopes for technical bid and commercial bid by super scribing Cover “A” (Technical Bid) & Cover “B” (Price Bid) and both the covers should be put into a third Cover, which should be super scribed as “Tender for the Supply, installation and commissioning of **CCTV SURVILANCE SYSTEMS AT DISTRICT HEAD QUARTER HOSPITAL, MALKANGIRI**”.

1.3 The Sealed tenders “Cover A” (Technical Bid) submitted by the tenderers will be opened at the office chamber of the **CDM&PHO, MALKANGIRI** at **11.00 A.M** on dated **07.12.2020**. The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.

1.4 No tender documents can be accepted after the expiry of scheduled date and time for receipt of bids.

1.5 The scope of work shall include Supply, Installation, Commissioning, & Satisfactory demonstration. This will also include testing, packing, transportation, scheduling of transportation, transit insurance, delivery at sites, unloading, storage, job site storage, insurance, installation any other services associated with the delivery of the equipment and materials providing warranty of services and operation and maintenance of other related equipment / items required for complete installation. The successful bidder will assume full responsibility of the complete system until final acceptance.

1.6 The bidders are required to have a survey including the site visit before furnishing the quotations.

ELIGIBILITY CRITERIA

2.1 Manufacturing units eligible to participate in the tender provided, they have

- (i) Valid manufacturing license/Import license
- (ii) Valid ISO certificate.
- (iii) Valid CE certificate

(i) Tenderer must have successfully installation and commissioning of CCTV SURVILANCE system at any Govt, organization / PSU Hospitals/District Head quarter Hospitals/Medical colleges/Corporate Hospitals/ any other government department. Bidder must be produced Performance certificate/ Order Copy.

(ii) Proof of turnover Rs. 20 Lakhs or more in each financial year for preceding three (3) financial year of the manufacturing firm.

(iii) Manufacturing unit who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization is not eligible to participate in the tender for that item during the period of blacklisting.

2.2 Authorized distributors/supplier are eligible to participate in the tender provided:

- (i) They submit manufacturer's authorization and power of attorney to transact business on behalf of the manufacturer as per the format at **Annexure - VII**. The authorized distributor may raise bill, if specially authorized by the manufacturer.
- (ii) The authorized distributor will submit all the documents in support of eligibility of the manufacturer as mentioned in clause No. 2.1 along with the tender.
- (iii) The bidder should have Service Center in Odisha since last three years.

2.3 OME

- (i) Make in India makes shall be given preference as per Order 2017-Revision vide the Department of Industrial Policy and Promotion (DIPP) Order No. P-45021/2/2017-PP(BE-II) dated 16th Sep ,2020. OEMs under
- (ii) CCTV OEM should have ISO 9001, 14001, 27001 and CMMI Level 3 Certificate.
- (iii) OEM should have R&D centre along with his own service centre in India from last 10 years. Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered. In case of the company having a foreign parent / holding company, the company shall be a wholly owned subsidiary
- (iv) OEM should not be blacklisted globally or in India for security Concerns.

The following documents should be enclosed in Cover "A" (Technical Bid) by the tenderer. All the photocopies are to be attested by a Notary Public / Gazetted Officer.

TECHNICAL BID :

- 3.1 Price of Bid documents of Rs 5000/- (Five Thousand) in shape of State Bank Demand Draft in favour of **ZSS NRHM ADDITIONALITY** payable at SBI, Malkangiri.
- 3.2 Copy of Valid Manufacturing License /Import License
- 3.3 Earnest Money Deposit of **Rs 40000/-(Forty Thousand)** Only in shape of State Bank Demand Draft in favour of **ZSS NRHM ADDITIONALITY** payable at SBI, Malkangiri.
- 3.4 Copy of Valid ISO 9001, 14001,27001, and CMMI level 3 certificate.
- 3.5 Copy of valid CE, ECC & BIS certificate
- 3.6 Copy of valid GST certificate.
- 3.7 (a) The Original Tender Book with Conditions and the schedules signed by the tenderer at the bottom of each page with his official seal duly affixed.
(b) Leaflets, photographs & literatures relating to the product / item quoted and matching the specification of the tender in a tabular form in **Annexure-IV**
- 3.8 The declaration form in **Annexure - I** duly signed by the tenderer before Notary Public.
- 3.9 Proof of Such work minimum eight projects to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and certificate in support of that in last 3 years from the user (**2017-2018, 2018-2019 & 2019-2020**) in **Annexure-III**.
- 3.10 Details name, address, telephone no., Fax, e-mail of the manufacturer / authorized distributor / service centre / contract person / office in Orissa (**Annexure - VI**).
- 3.11 Certificate duly filled by the Auditor / Chartered Accountant (as per **Annexure -V**) that the annual turnover of the tendering firm is **Rs.20.00 (Twenty Lakhs)** or more in each financial year for last preceding 3 (three) financial years in India of asked product or related product.
- 3.12 Manufacture should have service center in Odisha..

COVER – B (PRICE BID)

- 4.1 The tender format giving the quoted rate for the items on rate contract basis should be sent in a separate sealed cover hereafter called Cover "B" (Price Bid).
Cover –B (Price Bid) will be opened only of the tenderers who qualify in Technical Bid (Cover – A) and product is as per tender specification.
- 4.2 The tender format (Price Schedule) in duplicate in the prescribed form (as per **Annexure – II**), both hard copy and soft copy must be submitted in Cover-B. The price of the item should be quoted inclusive of excise duty, insurance, packing, forwarding, freight (door delivery), installation, warranty for 2 (Two) years and CMC for 3(three) years but exclusive of GST, if any and the turnkey job in a separate column. The rate should be quoted for each item both in figures and words. In case of difference in words and figures, words will be taken into consideration for evaluation.

N.B: Valid means the certificate should be valid on or beyond the date of opening of tender (Cover-A).

- 4.3 The date of opening of Cover "B" (Price Bid) of the successful bidders will be intimated later on.

REJECTION OF TENDER

5. The tender paper will be rejected, if any of the following documents are wanting / not submitted with the tender:
- (i) Manufacturing license/Import license.
 - (ii) The Authorized Distributor (have to submit the Authorization from the concerned manufacturing firm/Importer.
 - (iii) Cost of bid documents of Rs.5000/- (Rupees Five Thousand) Only in shape of State Bank of India Demand Draft payable in faovur of **ZSS NRHM ADDITIONALITY** payable at SBI, Malkangiri.
 - (iv) Earnest Money Deposit (EMD) of **Rs.40000/- (Rupees Forty Thousand) Only** in shape of State Bank of India Demand Draft payable in faovur of **ZSS NRHM ADDITIONALITY payable at SBI, Malkangiri**. EMD is exempted for MSME
 - (v) Turnover of Rs.20.00 Lakhs or more in each year for preceding 3 financial years.
 - (vi) Valid ISO certificate.
 - (vii) Valid CE certificate
 - (viii) Proof of supply/ installation of the items minimum eight projects to any Govt. organization / Corporate Hospitals / PSU Hospitals / UN Agencies and certificate in support of that from the user from **(2017-2018, 2018-2019 & 2019-2020)**.
 - (ix) Proof of registration of Service Center in Odisha for last three years.
 - (x) Price bid / quoted rate with signature and seal (Hard Copy) As per **Annexure-II**

6. Specifications: -

The quoted product should be recent one and as per the specification enclosed at **Annexure –III**, required catalogue on the product description should be attached with the tender.

7. Earnest Money Deposit:

1. The tender should be accompanied with Earnest Money Deposit (EMD) amounting **Rs.40000/- (Forty Thousand)** in shape of State Bank of India Demand Draft in favour of **ZSS NRHM ADDITIONALITY payable at SBI, Malkangiri** falling which tender will be rejected.
2. The EMD of the unsuccessful bidders will be return back after finalization of tender & in case of successful tenderer, the EMD will be returned after submission of performance security 10% of the purchase order value. EMD of successful tenderer/s will be forfeited, if he/they does/do not accept the purchase order.
3. The selected firm has to complete the installation and commissioning within 90 days of issue of purchase order. If the firm fails to supply and install the item/s in time or supplies are not up to standard, his EMD shall be forfeited and the firm will be blacklisted.

8. Performance Security:

1. 10% of the purchase order value will be submitted by the firm towards performance security within 15 days of receipt of purchase order in shape of State Bank of India Demand Draft in favour of **ZSS NRHM ADDITIONALITY** payable at SBI, Malkangiri.
2. The Security deposit will be refunded to the firm after Warranty period over.

PRICE EVALUATION:

1. Tenderers who technically qualify will be evaluated only.
2. The cost of Item (inclusion of the excise duty, transportation, insurance, packing & forwarding & warranty for two (2) years and CMC of 3(three) years & but excluding GST+ cost of the Turnkey job i.e. installation, cabling, electrical fittings etc, (including all taxes) taken together will be evaluated and the lowest bidder will be selected.

9. Delivery and Installation:

Delivery and installation of each item should be completed within 90 days from the date of issue of purchase order falling which liquidated damage @ 0.5% per week shall be deducted from final payment, for each week of delay beyond the delivery period upto maximum of 2%.

10. Turn Key Job:

- Building required for keeping the gas cylinders, foundation, fencing, etc. will be constructed by the Vendor.
- Making holes in the slab, walls, removing false ceiling & placing back, if any, etc. will be the responsibility of the vendor and the same will be made good by him. Related malba will be removed by the contractor and will be disposed in the dumping yard . Other related electric work, if any, for making the manifold functional will be executed by the vendor.
- All civil/electrical work will be carried out as per specifications.

11. Warranty:

1. All the items should be covered under one-year warranty from the date of installation & commissioning.
2. The approved suppliers have to submit an undertaking in non-judicial paper attested by Notary Public for 1-year warranty. (**Annexure XI**)

12. Payment:

1. 80% payment shall be made after submission of stock entry certificate (s) duly certified by the concerned officer/installation & demonstration certificate/s and warranty certificate. The balance 20% of the payment will be released after two months of commissioning of the payment, if it is working satisfactory.
2. The approved value of CMC (Compressive Maintenance Contract) payment will be made year wise after signing the CMC agreement (**Annexure-XII**)

13. General Conditions:

1. In the event of the date being declared as a holiday for the purchaser's office, the due date submission of bids and opening of bids will be the following working date & time.
2. The authority reserves the right to accept /reject all the bids or any part thereof without assigning any reason thereof.
3. No conditional tender will be accepted.
4. The qualified bidder, who according to terms and conditions will not supply and install the items in the stipulated time period and of specified quality, will be black, listed from the purchase committee.
5. Any matter will be finalized in **MALKANGIRI** Jurisdiction.

ANNEXURE – I

(Refer Clause No. 3.8)

DECLARATION FORM

I / Wehaving My / our
.....office at.....do declare that I / We
have carefully read all the terms & conditions of tender of the **CHIEF DISTRICT MEDICAL AND PUBLIC HEALTH OFFICER, MALKANGIRI** for the supply, installation and commissioning of **CCTV SURVILANCE** system. I will abide with all the terms & conditions set forth in the tender paper Reference no.

I/We do hereby declare I/We have not been de-recognized / black listed by any State Govt. / Union Territory / Govt. of India / Govt. organisation / Govt. Health Institutions for supply of Not of Standard Quality (NSQ) items / part-supply / non-supply.

I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and or Security Deposit and blacklist me/us for a period of 2 years if, any information furnished by us proved to be false at the time of inspection / verification and not complying with the Tender terms & conditions.

I / We further declare that I / We possess valid manufacturing license / authorized distributor bearing no .
.....Valid upto I / We do hereby
declare that I / we will supply the ----- as per the terms, conditions & specifications of
the tender document. I / we further declare that I / we have a service centre / will establish a service centre within
one month of installation of the equipment in Orissa.

Signature of the bidder :

Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public.

To be submitted in Cover B – Price Bid

ANNEXURE-II

(Refer Clause No. 4.1 & 4.2)

MODEL TENDER FORMAT (PRICE SCHEDULE)

Name of the Item (Item mentioned in the schedule of requirement) (With Make & Model)	Specification (Section V)	Price of CCTV SURVILLANCE SYSTEM which includes excise duty / customs duty, packing, insurance, forwarding / transportation (door delivery) with 2 (Two) years onsite warranty & excludes GST	CMC (excluding Service Tax) for three years after expiry of TWO years warranty period (please mention on yearly basis)	**Cost of Turnkey (all accessories for installation & commissioning including all taxes for turnkey in Rs. (Door delivery & installation))	*Total Cost (Unit Price with CMC & Turnkey) (Exclusive of CST/VAT & ET)	GST (if any) on & above the item price mentioned in (3) (Mention whether GST the % of tax & it's value in Rs.)
(1)	(2)	(3)	(4)	(5)	6=3+4+5	7
1.CCTV SURVILLANCE SYSTEM			1 st year: 2 nd year: 3 rd year: Total			

The Price break up of CCTV Surveillance system (as mentioned in Column 3 above) shall be furnished separately in Annexure II

* The total cost shall be taken into account for evaluation. This will exclude the GST which will be chargeable on the price (3) shall be mentioned separately in column 7 above.

** The cost of turnkey is required for installation & commissioning. For turnkey, the details of accessories/equipment are to be mentioned.

Date:

Signature of the Bidder:

Place :

Name
Seal

To be submitted in Cover B – Price Bid

ANNEXURE-IIB

(Refer Clause No. 4.1 & 4.2)

PRICE BREAK UP OF THE PRICE OF GAS PIPELINE AND MANIFOLD AS MENTIONED IN THE COLUMN 3 OF THE PRICE SCHEDULE ANNEXURE IXA

Sl.	Name of the Item	Make/Model	Quantity	Unit Cost(Rs)	Total Cost (Rs.)
1	Megapixel HD Fixed Dome IR Network Camera				
2	Megapixel HD Fixed IR Bullet Network Camera.				
	5 Megapixel PTZ Camera				
3	Network Video Recorder 32 Channel				
4	Network Video Recorder 16 Channel				
5	Network Video Recorder 64 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	Fibber Optic & accessories				
14	Point to point solution				
15	Supply & Laying of Cat 6 CABUL IN PVC, Power Cable in PVC, PVC PIPE, including Labour Charge (Per Meter).				
16	CCTV installation Charge (per unit)				

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

(To be submitted in Cover A - Technical Bid)
Annexure III (Refer Clause no. 3.9)
PROFORMA FOR PERFORMANCE STATEMENT
 (For the period of last three years)

Tender Reference No.

Name of Tenderer::

Name of Manufacturer : _____ Name of the Item (s) : _____

Sl.	Order placed by (Address of purchaser) (attach documentary proof)*	Order no. & Date	Item Name	Make & Model	Qty	Value of Contract (Rs.)	Date of Completion		Reasons for delay if any	Have the goods been functioning satisfactorily (attach documentary proof)**
							As per contract	Actual		
1										
2										
3										
..										

Signature and seal of the Tenderer

* The documentary proof will be **copies of the purchase order** (during the last 3 years) indicating Contract No. and date along with a notarized certification (by the bidder) authenticating the correctness of the information furnished.

** The documentary proof will be certificate from the consignee/end user indicating Contract No. and date along with a notarized certification (by the bidder) authenticating the correctness of the information furnished.

ANNEXURE – IV

Technical Specifications



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



Mail cdmomkg@gmail.com

Phone/Fax: 06861-231543

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	PTZ Camera	C
4	Network Video Recorder 32 Channel	D
5	Network Video Recorder 16 Channel	E
6	Network Video Recorder 64 Channel	F
7	CAT 6 UTP CABLE	G
8	POE SWITCH	H
9	6 U RACK/4 U Rack	I
10	Surveillance HDD(4 TB/6 TB)	J
11	49" LED TV with HDMI Cable	K
12	On-line UPS (1 KVA)	L
13	Fiber Optic & accessories	M
14	Point to point solution	N
15	Supply & Laying of Cat 6 CABLE IN PVC, Power Cable in PVC, PVC PIPE, including Labour Charge (Per Meter).	O
16	CCTV installation Charge (per unit)	P



ZILLA SWASTHYA SAMITI, MALKANGIRI
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ANNEXURE- A ((4 Megapixel) HD Fixed Dome IR Network Camera)

Image Sensor	1/2.7" progressive scan CMOS
Effective Pixels	1920(H) × 1080(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	3.6 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™
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	∅113.6 mm × 85.8 mm
Weight	0.29 kg



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



ANNEXURE- B ((4 Megapixel) HD Fixed Bullet IR Network Camera)

Image Sensor	1/2.7" progressive scan CMOS
Effective Pixels	1920(H) × 1080(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	3.6 mm - 6.0 mm
Max Aperture	F1.8
Angle of View	H : 70° V : 46.5°
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™
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



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



ANNEXURE- C ((5 Megapixel PTZ Camera)

5 MP PTZ Camera		
Sl. No.	Parameter	Specifications
1	Image Sensor	1/1.9" Progressive Scan CMOS
2	Effective Pixel	(2592x1944)
3	Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
4	WDR	140dB Super WDR
5	Shutter Time	1/100000s~1s
6	Other Features	Day & Night, BLC / HLC /WDR, White Balance, Gain Control, Noise Reduction, Electronic Image Stabilization (EIS), Image Setting
7	S/N	>65dB
8	Digital Zoom	16X
9	Focal Length	4.5 mm to 135 mm, F1.5~F3.5
10	Optical Zoom	30X Optical Zoom
11	Zoom Speed	Approx 1s (Optical Wide-Tele)
12	Field of View	H58°~H3°/D71°~D3°/V44°~V2°
13	Pan Range/Pan Speed	0-360°endless / Pan Manual Speed: 0.1°~240°/s, Pan Preset Speed: 280°/s
14	Tilt Range/Tilt Speed	-20°~90° 180° (Auto Flip) / Tilt Manual Speed: 0.1°~150°/s, Tilt Preset Speed: 200°/s
15	Proportional Zoom	Support
16	Preset Quantity	256
17	Preset Freezing	Support
18	Patrol	8 Patrols, up to 48 presets each patrol
19	Pattern	4 Patterns
20	Power Off Memory	Support
21	PTZ Position Display	ON/OFF
22	3D positioning	Support
23	IR Distance	Up to 200m
24	Primary Stream	30fps@(2592x1944), 60fps@ (1920x1080, 1280x960, 1280x720, 704x576)
25	Secondary Stream	30fps@(2592x1944), 60fps@ (1920x1080, 1280x960, 1280x720, 704x576)
26	Third Stream	30fps@ (1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x176)
27	Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264/MJPEG
28	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)
29	Ethernet	1*RJ45 10M/100M Ethernet Port

30	Network Storage	NAS (Support NFS, SMB/CISF)
31	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, ARP
32	Web Viewer	IE, Chrome, Firefox, Safari
33	Security	Multiple level password Protection
34	Audio Compression	G.711/AAC
35	Audio I/O	1IN/1out, two way Audio , Full Duplex
36	Alarm I/O	1IN/1Out
37	RS485	Support
38	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G
39	Advanced Function	Auto Tracking, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur
40	Privacy Masking	Up to 24 areas
41	Region of Interest	Support
42	Smart Defogger	Built-In Fan & Heater combined with Software algorithm Provide Fog Free Picture
43	PTZ Auto Tracking	Support
44	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, IP address conflict, Illegal Access, Storage anomaly, etc.
45	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.
46	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing/trip wire, Loitering, Human Detection, People Counting, Object Left, Object Removed, object missing, intrusion, Object abandon etc
47	System Compatibility	ONVIF Profile S, Q, G & T The correspondence model should be listed on Onvif website.
48	Working Condition	Temperature: -50°C~70°C / Humidity: 0~95%(Non-condensing)
49	Power Supply	PoE (802.3at) / AC 24V/3A±10%
50	Power Consumption	35 Watt
51	Protection level	IP67 Compliant, IK10 Certified, Level 2 lightning protection 6000V surge protection
52	Certificate	Safety: CE, FCC, IS 13252-1 (2010), EN:60950-1, IEC 60950-1:2005 Ingress Protection: IP66 Certified EN/IEC 60529 Vandalism Protection: IK10 Certified, IEC 62262:2002 Immunity: CE, FCC



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ANNEXURE- D (Network Video Recorder (NVR) 32 Channel)

Main Processor	Duel Core Embedded Processor or upgraded version
Operating System	Embedded Linux
IP Camera Input	32 Channel
Two-way Talk	1 channel input,1 channel output, RCA
Interface	2 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	8 SATA port, support HDD up to 8 TB Each
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 (Network Video Recorder (NVR) 16 Channel)

Main Processor	Dual Core Embedded Processor or upgraded version
Operating System	Embedded Linux
IP Camera Input	16 Channel
Two-way Talk	1 channel input,1 channel output, RCA
Interface	2 HDMI,1 VGA
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	8 SATA port, support HDD up to 8 TB Each
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- F (Network Video Recorder (NVR) 64 Channel)

Main Processor	Dual Core Embedded Processor or upgraded version
Operating System	Embedded Linux
IP Camera Input	64 Channel
Two-way Talk	1 channel input,1 channel output, RCA
Interface	2 HDMI, 1 VGA
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	8 SATA port, support HDD up to 8 TB Each
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- G (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- H (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- I (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- J (Surveillance HDD (4 TB/6 TB))

Formatted capacity ²	4TB / 8 TB
Data transfer rate (max)	6 Gb/s
Buffer to host	150 MB/s
Host to/from drive (sustained)	
Formatted capacity ²	4TB / 6 TB
<u>Catch MB</u>	<u>64</u>
Performance Class	5400 RPM Class
Load/unload cycles ⁴	300,000
Non-recoverable read errors per bits read	<1 in 1014
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- K (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- L (Online UPS)

Online UPS	Minimum 1 KVA with 2hrs. backup
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ANNEXURE- M (Fibber optic & Accessories)

Fibber optic & Accessories	
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ANNEXURE- N (P2P)

Point to point solution	
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ANNEXURE- O (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- P (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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TABLE FOR CCTV PERIFERIALS

ANNEXURE- A ((4 Megapixel) HD Fixed Dome IR Network Camera)

4 Megapixel HD Fixed Dome IR Network Camera		Specify (Yes/No)
Image Sensor	1/2.7" progressive scan CMOS	
Effective Pixels	1920(H) × 1080(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	3.6 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, SNM P, 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	

ANNEXURE- B ((4 Megapixel) HD Fixed Bullet IR Network Camera)

(4 Megapixel) HD Fixed Bullet IR Network Camera		Specify (Yes/No)
Image Sensor	1/2.7" progressive scan CMOS	
Effective Pixels	1920(H) × 1080(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	3.6 mm - 6.0 mm	
Max Aperture	F1.8	
Angle of View	H : 70° V : 46.5°	
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	70 mm × 66 mm × 160mm	
Weight	0.5 kg	

ANNEXURE- C ((5 Megapixel PTZ Camera)

5 MP PTZ Camera			Specify (Yes/No)
Sl. No.	Parameter	Specifications	
1	Image Sensor	1/1.9" Progressive Scan CMOS	
2	Effective Pixel	(2592x1944)	
3	Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on	
4	WDR	140dB Super WDR	
5	Shutter Time	1/100000s~1s	
6	Other Features	Day & Night, BLC / HLC /WDR, White Balance, Gain Control, Noise Reduction, Electronic Image Stabilization (EIS), Image Setting	
7	S/N	>65dB	
8	Digital Zoom	16X	
9	Focal Length	4.5 mm to 135 mm, F1.5~F3.5	
10	Optical Zoom	30X Optical Zoom	
11	Zoom Speed	Approx 1s (Optical Wide-Tele)	
12	Field of View	H58°~H3°/D71°~D3°/V44°~V2°	
13	Pan Range/Pan Speed	0-360°endless / Pan Manual Speed: 0.1°~240°/s, Pan Preset Speed: 280°/s	
14	Tilt Range/Tilt Speed	-20°~90° 180° (Auto Flip) / Tilt Manual Speed: 0.1°~150°/s, Tilt Preset Speed: 200°/s	
15	Proportional Zoom	Support	
16	Preset Quantity	256	
17	Preset Freezing	Support	
18	Patrol	8 Patrols, up to 48 presets each patrol	
19	Pattern	4 Patterns	
20	Power Off Memory	Support	
21	PTZ Position Display	ON/OFF	
22	3D positioning	Support	
23	IR Distance	Up to 200m	
24	Primary Stream	30fps@(2592x1944), 60fps@ (1920x1080, 1280x960, 1280x720, 704x576)	
25	Secondary Stream	30fps@(2592x1944), 60fps@ (1920x1080, 1280x960, 1280x720, 704x576)	
26	Third Stream	30fps@ (1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x176)	
27	Video Compression	H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264/MJPEG	
28	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)	
29	Ethernet	1*RJ45 10M/100M Ethernet Port	
30	Network Storage	NAS (Support NFS, SMB/CIFS)	
31	Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP,	

		SSL, ARP	
32	Web Viewer	IE, Chrome, Firefox, Safari	
33	Security	Multiple level password Protection	
34	Audio Compression	G.711/AAC	
35	Audio I/O	1IN/1out, two way Audio , Full Duplex	
36	Alarm I/O	1IN/1Out	
37	RS485	Support	
38	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256G	
39	Advanced Function	Auto Tracking, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur	
40	Privacy Masking	Up to 24 areas	
41	Region of Interest	Support	
42	Smart Defogger	Built-In Fan & Heater combined with Software algorithm Provide Fog Free Picture	
43	PTZ Auto Tracking	Support	
44	Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, IP address conflict, Illegal Access, Storage anomaly, etc.	
45	Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification, etc.	
46	Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing/trip wire, Loitering, Human Detection, People Counting, Object Left, Object Removed, object missing, intrusion, Object abandon etc	
47	System Compatibility	ONVIF Profile S, Q, G & T The correspondence model should be listed on Onvif website.	
48	Working Condition	Temperature: -50°C~70°C / Humidity: 0~95%(Non-condensing)	
49	Power Supply	PoE (802.3at) / AC 24V/3A±10%	
50	Power Consumption	35 Watt	
51	Protection level	IP67 Compliant, IK10 Certified, Level 2 lightning protection 6000V surge protection	
52	Certificate	Safety: CE, FCC, IS 13252-1 (2010), EN:60950-1, IEC 60950-1:2005 Ingress Protection: IP66 Certified EN/IEC 60529 Vandalism Protection: IK10 Certified, IEC 62262:2002 Immunity: CE, FCC	

ANNEXURE- D (Network Video Recorder (NVR) 32 Channel)

Network Video Recorder (NVR) 32 Channel		Specify(Yes/No)
Main Processor	Duel Core Embedded Processor or upgraded version	
Operating System	Embedded Linux	
IP Camera Input	32 Channel	
Two-way Talk	1 channel input,1 channel output, RCA	
Interface	2 HDMI,1 VGA	
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	

ANNEXURE- E (Network Video Recorder (NVR) 16 Channel)

Network Video Recorder (NVR) 16 Channel		Specify(Yes/No)
Main Processor	Duel Core Embedded Processor or upgraded version	
Operating System	Embedded Linux	
IP Camera Input	16 Channel	
Two-way Talk	1 channel input,1 channel output, RCA	
Interface	2 HDMI,1 VGA	
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	HTTP,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	

ANNEXURE- F (Network Video Recorder (NVR) 64 Channel)

Network Video Recorder (NVR) 64 Channel		Specify(Yes/No)
Main Processor	Duel Core Embedded Processor or upgraded version	
Operating System	Embedded Linux	
IP Camera Input	64 Channel	
Two-way Talk	1 channel input,1 channel output, RCA	
Interface	2 HDMI,1 VGA	
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	HTTP,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	

ANNEXURE- G(Cat.6 UTP Solid Cable)

Cat.6 UTP Solid Cable		Specify(Yes/No)
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- H (POE Switch)

POE Switch		Specify(Yes/No)
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	

ANNEXURE- I (4 U and 6 U Rack)

4 U and 6 U Rack	Specify (Yes/No)
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- J (Surveillance HDD (4 TB/6 TB))

Surveillance HDD (4 TB/6 TB)	Specify (Yes/No)
Formatted capacity ²	4TB / 8 TB
Data transfer rate (max) Buffer to host Host to/from drive (sustained)	6 Gb/s 150 MB/s
Formatted capacity ²	4TB / 6 TB
Catch MB	64
Performance Class	5400 RPM Class
Load/unload cycles ⁴	300,000
Non-recoverable read errors per bits read	<1 in 1014
Temperature (°C, on the base casting) Operating Non-operating	0 to 65 -40 to
Shock (Gs) Operating (2 ms, read/write) Operating (2 ms, read) Non-operating (2 ms)	30 65 250

ANNEXURE- K(LED TV with HDMI Cable)

LED TV with HDMI Cable	Specify (Yes/No)
LED TV with HDMI Cable	Minimum 49", HDMI, USB, VGA, Ethernet, AV input, 3.5 Jack, Speaker – 2 Nos., Speaker Output – 2.

ANNEXURE- L(Online UPS)

Online UPS	Specify(Yes/No)
Minimum 1 KVA with 2hrs. backup	

ANEXURE-V

(To be submitted in Cover A -Technical Bid)
(Refer Clause No. 3.11)

(To be furnished in the letter head of the Auditor)

ANNUAL TURN OVER STATEMENT

The Annual Turnover for Equipment products of
M/s _____
who is a manufacturing unit / Importer (strike out whichever is not available) for the last
_____ years are given below and certified that the statement is true and correct.

Sl.No.	Year	Turnover in (Rs.)
2017 - 2018	-	
2018 - 2019	-	
2019 – 2020	-	

Average Annual Turnover (for the above three years) in
(Rs.) _____

Date:

Place:

Signature of Auditor/
Chartered Accountant
(Name in Capital)
Seal

Membership No.-

Registration No. of Firm

Note:

To be issued in the letter head of the Auditor.

Separate certificates should be furnished for different manufacturer in case the bidder is quoting products of different manufacturers.

ANNEXURE – VI

(Refer Clause No. 3.10)

(To be submitted in ***Cover A -Technical Bid***)

DETAILS OF THE TENDERER & LOCAL CONTACT PERSON

	Corporate Office (The address in which the purchase orders and payment details will be communicated)	Local Contact Person / Branch Office / Zonal Office / Service Centre if any, in Orissa.
Name & Full Address		
Telephone Nos., landline		
Mobile		
Fax		
E – Mail		
Date of Inception	Copy of Certificate of incorporation of Manufacturer)	
Manufacturing License Nos. & Date	Copy of manufacturing license of Manufacturer)	
Name of the issuing authority		
License valid up to		

Signature of the Tenderer:
with seal
Date :
Official Seal :

ANNEXURE – VII

(Refer Clause No. 2.2(i))

(To be submitted in **Cover A -Technical Bid**)

MANUFACTURER’S AUTHORISATION FORMAT

To

The CDM& PHO, Malkangiri
Deptt. of Health & Family Welfare
Govt. of Odisha.

Ref: Tender No. _____ Dated _____ for _____.

Dear Sir,

We, ----- are the manufacturers of -----
(name of equipment(s) having factories at -----.

1. Messrs ----- (name and address of the agent) is our authorized agent for sale and service of ----- (name of equipment(s))
2. We confirm that Messrs. ----- (name of the above agent) is authorized to submit a tender and enter into a contract for the above goods manufactured by us.
3. We also extend our full guarantee / warranty and also full back-up support for AMC/CMC as required by the purchaser.

Yours faithfully,

(Signature with date, name and designation)

For and on behalf of Messrs -----

(Name & address of the manufacturers)

Seal

Note :

1. This letter should be on the **letter head** of the **manufacturer** and should be signed by a person having the power of attorney to legally bind the manufacturer.
Original letter shall be attached to the technical bid.

ANNEXURE – X

(Refer clause no. 7.1.2)

AGREEMENT

THIS AGREEMENT IS MADE AT _____ THIS THE DAY OF _____ 2018

BETWEEN

Name of the Supplier with full address

Here in after called the “Supplier(s) _____” as 1st Party

AND

The **CHIEF DISTRICT MEDICAL AND PUBLIC HEALTH OFFICER, MALKANGIRI** (*name of the District*) **Health & F.W. Department**, Government of Odisha represented through the _____ / THE CONSIGNEE Hereinafter called the “PURCHASER” _____ as 2nd Party.

Relying on the documents and representation of facts connected to the issue of aforesaid parties to undertake the responsibilities of sell and purchase of following equipment(s) etc. with the terms & conditions hereinafter laid down.

And whereas the 2nd party “Purchaser(s)” is willing to purchase
Name of the Item:

Specifications: As per specifications laid down in the Tender terms & conditions

The Supplier(s) has agreed to sell the equipment(s) completed in all respects according to the Tender requirements and their / his offer dated _____ and the Supplier(s) has also agreed to install to make them operative at the destination mentioned in the Tender document with the following descriptions and their cost mentioned against each.

<u>Description of goods:</u>	<u>Offered Price</u>	<u>Total</u>
------------------------------	----------------------	--------------

The price / cost of the item also includes the followings in addition to above.

1. Insurance
2. Freight
3. Transportation
4. Customs duty / Excise duty

5. Charges for documents, instructions manual, tools
6. F.O.R. at the destinations mentioned in the consignee list
7. Training to doctors & technicians.
8. Maintenance of the system includes all accessories supplied and their spare parts required during comprehensive warranty period of two year at free of cost from the date of successful installation and satisfactory functioning of the system at the site.
9. Installation and commissioning of the system by the Supplier's engineer at site.
10. Any other charges including loading & unloading, packing & forwarding etc. will be paid by the Supplier(s) till the completion of the installation and turnkey job if any.

CMC cost for next 3 (three) years after the warranty period shall be paid after completion of the warranty period (on a yearly basis).

TERMS AND CONDITIONS: -

PRICE :

Only the price quoted by the Supplier(s) in his / their financial proposal will be the price for payment and no other price escalation will be allowed at any circumstances.

TERMS FOR PAYMENT: -

A. The payment(s) shall be made by purchaser in Indian currencies No advance payments towards cost of Instruments and Equipments etc. will be made to the tenderer. No payment will be made to the supplier, if he has not deposited the unconditional performance security in shape of State Bank of India demand draft amounting to 10% of the purchase order value which will be deposited in favour of **ZSS NRHM ADDITIONALITY payable at State Bank of India, Malkangiri** with the warranty for 1 year agreement to the consignee.

90% of the cost of the equipment (excluding CMC Cost)+100% turnkey +100% tax shall be released to the supplier on receipt of stock entry certificate and installation certificate (that it is working) from the consignee. The remaining ten percent (10%) will be released after satisfactory working certificate received from the consignee after 6 weeks of installation subject to submission of performance security (10% of P.O. Value). For this purpose the supplier will submit two bills, one 90% of the cost of the equipment+100% turnkey +100% tax and the other for the remaining ten percent (10%) of the cost of the equipment.

B. Before release of payment the supplier has to submit the signed agreement, warranty documents of equipment and turnkey job to the consignee. The undertaking as per Annexure – XI & XII will also be submitted to the consignee with photocopies to the purchaser.

C. The payment of CMC will be made on yearly basis after expiry of the warranty period and signing of the CMC agreement.

TURNKEY JOB:

The external power supply will be provided by the purchaser but the internal wiring and electrical fittings inside the room for installation & commissioning of the equipment and accessories will be provided by the supplier without any extra cost (This cost is to be included in the cost of turnkey).

UP-TIME BALANCE:

The Supplier (s) shall provide guarantee 95% uptime i.e. 41610 (95% of 43800 Hours) during comprehensive warranty period. The up-time guarantee will be 95% as calculated here under i.e. 8322 hours per annum.

1 year – 365 days (24 working hours per day)

Total working time per annum – 365 days x 24 hrs = 8760 hrs.

Up time guarantee - 0.95 x 8760 hrs. = 8322 hrs. per annum.

Any uptime less that specified above will be compensated by the Supplier(s). The consignee shall maintain a log-book in the format provided by the Supplier(s) which will indicate usage of the equipment every day and for calculation of up-time.

DOWNTIME PENALTY CLAUSE:

During the Guarantee / warranty period, desired uptime will be 95% of 365 days (24 hour) if downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied. The vendor must undertake to supply all spares for optimal upkeep of the equipment for ONE YEAR from the date of installation at the site. If accessories / other attachment of the system is procured from the third party, then the vendor must produce cost of accessory / other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the AMC with the consignee if required.

In no case equipment should remain in non-working condition for more than 2 working days.

The manufacturers or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

COMPREHENSIVE MAINTENANCE CONTRACT:

The supplier will provide CMC for 3 (three) years after the completion of 1 yeas performance warranty period.

INSTALLATION AND DEMONSTRATION:

The installation and demonstration of the equipment shall be done by the Supplier(s) at free of cost at the installation site of the respective institutions.

TRAINING:

Supplier(s) shall impart adequate training to 2 doctors and 2 technicians at the site at the Supplier(s) cost.

PERT CHART:

Failure to stick to the pert chart will attract penal charges like forfeiture of performance security.

INCIDENTAL SERVICES:

The Supplier(s) shall abide by the terms and conditions under incidental services & the installation of Instrument / Equipment at the destination point (Door Delivery) of consignee and demonstrate the machine in working condition to the receiving authority.

Furnishing of tools required for assembly and / or maintenance of the supplied Instruments / Equipments.

Furnishing of detailed operations and maintenance manual literatures for each appropriate unit of supplied Goods.

Performance or supervision or maintenance and / or repair of the supplied Goods, for a period of One (1) year i.e. the warranty period, provided that this service shall not relieve the Supplier of any warranty obligations under this contract.

The successful supplier shall replace any part or whole system as may be necessary in the event of damage during transit or found damaged on arrival or during installation of the system or if found not in conformity to the specifications at his / their own cost.

The tenderer should furnish an undertaking to the effect that he / they should take responsibility after sales service of the equipments / instruments to be supplied by him / them and to provide spare parts for up keeping the Equipments / Instruments for a minimum period of 10 years from the date of installation.

The tenderers shall clearly mention the price of the instruments / equipments inclusive of warranty for a period of 1 (one) year commencing from the date of installation. The tenderers shall submit undertaking for C.M.C (Comprehensive Maintenance Cost) for a period of 3 (three) years from 2nd year onwards duly signed by authorized signatories for the execution at appropriate time (Annexure – XI & XII).

SPARE PARTS:

The supplier will provide all the spare parts, repairing & maintenance by its trained personnel after the warranty period (1 year) during the CMC period.

COMPREHENSIVE WARRANTY :

This warranty shall remain valid for one (1) year from the date of installation & commissioning of the machine / item & must be submitted at the time of installation to the consignee with a photocopy to the purchaser.

The warranty will cover all the parts of the machine or item and any replacement or repair required within the warranty period will be provided by the supplier free of cost at the destination point (Installation point). The supplier will take back the replaced parts / goods at the time of their replacement. No claim whatsoever shall be on the purchaser for the replaced parts / goods thereafter. No traveling allowances or transportation cost will be paid by the purchaser during warranty period.

The Supplier warrants that the Goods supplied under this contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials (even if the advanced facilities are not mentioned in our product specification). The Supplier further warrants that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship (except when the design and / or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the place of final destination.

The Purchaser / consignee shall promptly notify the Supplier in writing / Fax / Telephone of any claims arising under this warranty.

Upon receipt of such notice, the Supplier shall with all responsible speed will repair or replace the defective goods or parts thereof without cost to the purchaser to maintain its UP TIME offered in the beginning of purchase otherwise penal provisions shall apply if the supplier fails to keep up its UP TIME.

If the Supplier, having been notified, fails to remedy the defect(s) within 10 days, the Purchaser may proceed to take such remedial action as may be necessary, like forfeiture of EMD or recovery from security deposit the amount of loss (which will be decided by **Chief District Medical & Public Health Officer, Malkangiri** incurred by the purchaser.

GOVERNING LANGUAGE :

The contract shall be written in English language. English language version of the contract shall govern its interpretation. All correspondences and other documents pertaining to the contract which are exchanged by the parties shall be written in English.

DELIVERY OF DOCUMENT :

Four (4) copies of the Supplier invoice / bills showing purchase order number, good's description, quantity, unit price, total amount with stock entry certificate by the consignee.

Photocopy of the Insurance Certificate if any (The Original Certificate is to be given to the Consignee).

Attested Photocopy of Manufacturer's / Supplier's warranty certificate. (The original warranty certificate is to be submitted to the consignee at installation point).

INSURANCE :

For delivery of goods at site, the insurance shall be obtained by the Supplier(s) in an amount equal to 110% of the value of goods from “Warehouse” (final destination) on “All Risks” basis including natural calamities.

PACKAGING :

The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packaging shall be sufficient to withstand without limitation rough handling during transit and exposure to extreme temperature, salt and precipitation during transit and upon storage. All primary packaging containers which come in contact with the item should strictly protect the quality and integrity of the Instruments & Equipments. Packing case size and weights should be taken into consideration, in case of remoteness of final destination and the absence of heavy handling facilities at all points in transit.

The packaging marking shall show the description of quantity of contents, the name of the consignee and address, the gross weight of the packages, the name of the supplier with a distinctive number of mark sufficient for purposes of identification. Each package shall contain:

- i. a packaging note quoting the name of the purchaser
- ii. the number and date of order
- iii. nomenclature of the goods
- iv. Schedule of parts for each complete equipment giving part number with reference to assembly.
- v. Name & address of the consignee
- vi. Name & address of the supplier.

TERMS OF CONTRACT :

The **Chief District Medical and Public Health Officer, Malkangiri** will be at liberty to terminate the contract either wholly or in part without assigning any reason. The tenderers will not be entitled to any compensation whatsoever in such terminations.

PENALTIES :

If the successful tenderer fails to execute the agreement and / or deposit the required security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons, he is unable to undertake the contract, his contract will be cancelled and the Earnest Money Deposit deposited by him along with his tender shall stand forfeited and he will also be liable for all damages sustained by the **Chief District Medical and Public Health Officer, Malkangiri** by reasons of such breach, such as failure to supply / delayed supply including the liability to pay any difference between the prices accepted by him and those ultimately paid for the procurement of the articles concerned. Such damages shall be assessed by the **Chief District Medical and Public Health Officer, Malkangiri** whose decision is final & binding in the matter.

If any articles or things supplied by the tenderer have been partially or wholly used or consumed after supply and are subsequently found to be in bad order, unsound, inferior in quality or description or are otherwise faulty or unfit for consumption / use & rusted then the contract price or prices of such articles on full will be recovered from the tenderer, if payment had already been made to him or the tenderer will not be entitled to any payment for that item & no further order will be given to him. For infringement of the stipulations of the contract or for other justifiable reasons, the contract may be terminated by the **Chief District Medical and Public Health Officer, Malkangiri** and the tenderer shall be liable for all losses sustained by the **Chief District Medical and Public Health Officer, Malkangiri** in consequence of the termination which may be recovered from the Security Deposit made by the tenderer or other money due or become due to him.

Supply of sub-standard items or non - performance of tender terms & conditions will disqualify a firm to participate in the tender for the next five years.

ARBITRATIONS :

In the event of any dispute out of the contract, such dispute should be subject to the Jurisdiction of the **Civil Court, District-Malkangiri** or **High Court, Orissa**.

CHANGE OF TERMS AND CONDITIONS :

Any amendment to the terms & conditions and clauses of the agreement if required must be done in writing duly signed by the two parties.

IN WITNESS WHERE OF the parties herein to have set and subscribed their respective hands the day and year first herein above written.

Executed by Purchaser (s) / Consignee

Executed by Supplier(s)

In presence of (Witness)

In presence of (Witness)

ANNEXURE – XI

(Tender Clause 11.1 & 11.3)

**WARRANTY / GUARANTEE /CMC UNDERTAKING
(to be submitted on Rs.50/- stamp paper)**

Tender ref. No. _____

Name of the equipment:

Date of Installation:

Name of the Consignee:

Name of the purchaser:

I / we / M/s _____ hereby declare that

- i. I / we do accept / Agree for the warranty / guarantee (2-year Warranty followed by 3 years CMC (Spares + Labour) as per this tender clause No. 11.1 to 11.3.
- ii. I / we will not charge / quote any extra price on account of the above said warranty / guarantee.
- iii. I / we do accept / agree to provide uptime guarantee 95% as per agreement in **Annexure-X**
- iv. The 2 year comprehensive warranty is valid from dt. _____ to dt. _____.
- v. The 3 year CMC is valid from dt. _____ to dt. _____.

Date:

Signature of the competent authority

Place:

on behalf of the company / firm.

N.B:-

1. To be attested by Notary Public
2. Only to be submitted by the approved supplier / tenderer to the consignee and a copy to the purchaser before release of payment.

ANNEXURE – XII

(Refer Clause No. 11.1 to 11.3 & 12.2)

UNDERTAKING

(to be submitted on Rs.50/- stamp paper)

Tender ref. No. _____

Name of the equipment:

Date of Installation:

Name of the Consignee:

Name of the purchaser:

Sir,

I / we _____ hereby declare that

1. I / we am / are the manufacturers / authorized agents / distributors of _____.
2. I / we do accept / agree for the all clauses including the warranty 1 years followed by 3 years CMC) and payment terms and conditions of this tender.
3. I / we do hereby confirm that the prices / rates quoted are fixed and are at par with the prices quoted by me / us to any other Govt. of India / Govt. of Orissa Hospitals / Medical Institutions. I / we also offer to supply the stores at the prices and rates not exceeding those mentioned in the price bid.
4. I / we agree to abide by my / our offer for a period of 365 days from the date of approval of the tender.
5. I / we have necessary infrastructure for the maintenance of the equipment and will provide all the accessories / spares as and when required.
6. I / we also declare that in case of change of Indian Agent or for any other change, merger, dissolution solvency etc. in the organization of our foreign principles, we would take care of the Guarantee / warranty / maintenance of the machinery / equipment and have provided written confirmation for the same.
7. I / we shall provide assistance to the consignee in clearance and delivery of store at consignee's stores / premises.
8. The demurrage / storage charges, if any, payable to the customs department, due to non-receipt of required documents in time by the hospital / delay due to incorrect entries, mistakes to the documents etc. shall be borne by me / us.
9. I / we have carefully read and understood all the terms and conditions of the tender and shall abide by them.
10. I / we undertake to get the equipment's repaired within 48 hours of receiving of the complaint from the indenting hospital / consignee failing which a penalty @ 1% of the cost may be recovered from the performance security before releasing the same to us after 2 years warranty period.

Signature of the witness

Name & address