



**OFFICE OF THE SUPERINTENDENT BHIMA BHOI
MEDICAL COLLEGE & HOSPITAL**

At/PO/Dist – Balangir, PIN – 767001 (Odisha)

E-mail: gmchospitalbalangir@gmail.com



Tender Ref.No. 4023 /Estt.(BBMC&H)/20

Dt. 19-11-2020

**TENDER DOCUMENT FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND
MAINTENANCE OF
VIDEO SURVEILLANCE SYSTEM (CCTV) IN**

BHIMA BHOI MEDICAL COLLEGE AND HOSPITAL (BBMCH), BALANGIR.

Date of submission Tender paper	:	Dt. 19/11/2020
Last Date of Receipt of Tender	:	Dt. 14/12/2020
Date of Opening Technical Bid	:	Dt. 16/12/2020
Date of Opening Financial Bid	:	Will be intimated later
Place of opening of Tender & Address For Communication	:	Superintendent, Bhima Bhoi Medical Collage & Hospital, District-Balangir, Odisha, PIN- 767 001

Sd/
Superintendent
Bhima Bhoi Medical College & Hospital
Balangir - 767001

Expression of Interest

- 1.1 Sealed tenders are invited for Supply and Installation of CCTV Camera for the Bhima Bhoi Medical College & Hospital (BBMCH), Balangir on or before Dt:14.12.2020 up to 04.00 PM (Only on Working Days) in the office of the Superintendent, Bhima Bhoi Medical College & Hospital (BBMCH), Balangir. Any tender received after the due date & time will be rejected / returned to the sender unopened. **The tender paper will be received through Regd. Post / Speed Post/ Courier services only.**
- 1.2 The bidder(s) are to submit their tenders in **separate** sealed covered envelopes for **technical bid** and **commercial bid** by superscribing **Cover "A" (Technical Bid) & Cover "B" (Price Bid)** and both the sealed covers should be put into a **third outer Cover**, which should be superscribed as **"Tender for CCTV Camera for Bhima Bhoi Medical College & Hospital (BBMCH), Balangir"**
- 1.3 The Sealed tenders "Cover A" (Technical Bid) submitted by the tenderers will be opened by the Superintendent, Bhima Bhoi Medical College & Hospital (BBMCH), Balangir. The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.

ELIGIBILITY CRITERIA

- 2.1 Manufacturing units / Importers/ Suppliers are eligible to participate in the tender provided, they have
- (i) Valid ISO certificate.
 - (ii) Product must be ISI/CE (for electrical items only).
 - (iii) Proof of Average annual turnover of the supplier/ distributor of Rs.50 Lakhs and more in last three (3) financial years should be submitted duly prepared and certified by a chartered accountant.
 - (iv) Supplier / Distributor 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.
 - (v) The tenderer should submit an undertaking that the firm/supplier/distributor has not been blacklisted by any authority during the tender process.(as per Annexure -III)
 - (vi) The tenderer must submit valid GST Certificate.
 - (vii) Photo copy of PAN must be submitted by the tenderer duly attested by Gazetted Officer/Notary Public

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

TECHNICAL BID :

- 3.1 Checklist with detail of the documents enclosed in Cover "A" (as per Annexure - I) with page number. The document should be *serially arranged* as per this Annexure - I and should be securely tied and bound.
- 3.2 Tender document fee of Rs.2000/- (Non Refundable) in shape of Demand Draft.
- 3.3 Earnest Money Deposit of Rs. 10,000 (Rupees Ten Thousand) only (refundable[in case of non-selected tenderer]) and refundable to the selected tenderer after completion of warranty period.
- 3.4 Details name, address, telephone no., Fax, e-mail of the authorized distributor / service center / contract person / office in Balangir(Annexure - II).
- 3.5 The declaration form in Annexure - III duly signed by the tenderer before Notary Public / Executive Magistrate.
- 3.6 Certificate duly filled by the Auditor / Chartered Accountant that the average annual turnover of the Supplier / Distributor is Rs.50 Lakhs or more in the last 3 (three) financial years.
- 3.7 Leaflet/Technical Brochures of the product/item offered/.
- 3.8 Copy of Valid ISO certificate.
- 3.9 Copy of Valid CE certificate(for electrical Item) as per need
- 3.10 Copy of up to date GST clearance certificate.
- 3.11 Copy of PAN Card
- 3.12 Performance Statement (Annexure - VII) (Item wise) during the last three years towards proof of supply items to any Govt. organization / Corporate Sector/ PSU / UN Agencies. The copy of Purchase orders and certificate from the user should be furnished in support of the information provided in the performance statement (Item wise)

COVER – B (PRICE BID)

4. The tender format giving the quoted rate for Installation of CCTV Camera should be sent in a separate sealed cover hereafter called **Cover "B" (Price Bid)**.
Cover –B (Price Bid) will be opened only of the tenderer who qualify in Technical Bid (Cover – A) and product is as per tender specification.
- 4.1 The tenderer may quote price of not more than two qualities of each item
- 4.2 The tender format (Price Schedule) in the prescribed form (as per Annexure – VIII), hard 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 3 years the sales tax / GST and entry tax charges (if any).
- 4.3 The Cover "B" of successful tenderers who qualifies in their technical bid, will be opened

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at the office chamber of the Superintendent, Bhima Bhoi Medical College & Hospital (BBMCH), Balangir, on the same day/ decided by the purchase committee members in the presence of the tenderers or their authorized representatives.

TENDER CONDITIONS :

- 5.1 The details of the CCTV Camera with all accessories with specifications are mentioned in Section V. **The firm must clearly mention their specification, special features, upgraded version (if any) in their tender.**
- 5.2 Tenders should be type written or computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission, failing which the tender will be ineligible for further consideration.
- 5.3 Rates inclusive of all taxes, insurance, transportation charges (door delivery), installation & with 3 years onsite warranty with free service.
- 5.4 The purchaser shall be responsible only after delivery and due verification, installation and commissioning of the equipment.
- 5.5 In the event of the date being declared as a holiday by Govt. of Odisha, the due date of sale, submission of bids and opening of bids will be the following working day at the appointed place & time.
- 5.6 To ensure sustained supply without any interruption the tender inviting authority reserves the right to split orders for supplying the requirements among more than one tenderer if the lowest eligible bidder fails to supply in scheduled time the L₂ / L₃ firms for supply the same.
- 5.7 The rate quoted and accepted will be binding on the tenderer for a period of **Three year** from the date of approval and on no account any increase in the price will be entertained till the completion of this tender period.
- 5.8 If any information or documents furnished by the tenderer with the tender papers are found to be misleading or incorrect at any stage the tender of the relevant items in the approved list shall be cancelled and steps will be taken to blacklist the said firm for five (5) years.
- 5.9. Both Cover-A and Cover-B should have an **index and page number** of all the documents submitted inside that cover.
- 5.10 The requirement of items may increase or decrease depending on the situation.

Agreement:

COMPREHENSIVE WARRANTY:

(Undertaking as per Annexure –VI, VII)

- 6.1 The comprehensive warranty will remain valid for 3 years from the date of installation & commissioning of the equipment. The original copy of warranty documents will be submitted to the consignee and photocopy of that to the Superintendent, Bhima Bhoi Medical College & Hospital, Balangir after installation.
- 6.2 The warranty will cover **all the parts of the machine or item and any replacement or repair required** within the warranty period and 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 the warranty period.


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- 6.3 The Supplier shall warrant 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. The Supplier shall further warrant that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship 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.
- 6.4 The selected firm should have a service center in Balangir.
- 6.5 All the warranty certificates must be handed over to the consignee after installation.

SECTION - V

TECHNICAL SPECIFICATION

Item No 1: 2.0 MP DOME CAMERA		
Sl no	Parameters	Description
1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON); B/W: 0.001 Lux @(F1.2, AGC ON), 0.0028 Lux @(F2.0, AGC ON)
3	Shutter Speed	1/3 s to 1/100,000 s
4	WDR	120 dB
5	IR Range	Up to 40 m
6	Wavelength	850nm
7	Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
8	Video Bit Rate	32 Kbps to 8 Mbps
9	Behavior Analysis	Line crossing detection, intrusion detection
10	Exception Detection	Scene change detection
11	Face Detection	Yes
12	Region of Interest	1 fixed region for main stream
13	Max. Resolution	1920 × 1080
14	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
15	Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)
16	Third Stream	50Hz: 1fps (352 × 240, 320 × 240) 60Hz: 1fps (352 × 240, 320 × 240)
17	Image Enhancement	BLC, 3D DNR, HLC
18	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
19	Network Storage	Support Micro SD/SDHC/SDXC card (128G), NAS (NFS, SMB/CIFS)

[Signature]
19.11.2020

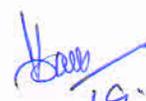
Superintendent

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20	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
21	API	ONVIF (PROFILE S, PROFILE G), ISAPI
22	Simultaneous Live View	Up to 6 channels
23	User/Host	Up to 32 users 3 levels: Administrator, Operator and User
24	Audio	1 built-in mic
25	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
26	On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
27	Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)
28	Power Supply	12 VDC ± 25%, PoE (802.3af, class 3)
29	Power Consumption and Current	PoE: (802.3af, 36V to 57V), 0.2 A to 0.1 A, max: 6.5W 12 VDC, 0.4 A, max. 5.0W
30	Protection Level	IP67

Item No 2: 2.0 MP BULLET CAMERA

SI no	Parameters	Description
31	Image Sensor	1/2.8" progressive scan CMOS
32	Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON)
33	Shutter Speed	1/3 s to 1/100, 000 s
34	WDR	DWDR
35	Aperture	F2.0
36	Lens Mount	M12
37	IR Range	Up to 40 m
38	Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
39	Video Bit Rate	32 Kbps to 8 Mbps
40	Behavior Analysis	Line crossing detection, intrusion detection
41	Region of Interest	1 fixed region for main stream
42	Max. Resolution	1920 × 1080
43	Main Stream Max. Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
44	Sub-stream Max. Frame Rate	50Hz: 25fps (352 × 240, 320 × 240) 60Hz: 30fps (352 × 240, 320 × 240)
45	Third Stream Max. Frame Rate	50Hz: 1fps (352 × 240, 320 × 240) 60Hz: 1fps (352 × 240, 320 × 240)
46	Image Enhancement	BLC, 3D DNR, HLC
47	Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
48	API	ONVIF (PROFILE S), ISAPI
49	Simultaneous Live View	Up to 6 channels
50	User/Host	Up to 32 users 3 levels: Administrator, Operator and User
51	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port


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52	Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing)
53	Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)
54	Power Consumption and Current	12 VDC, 0.3 A, max: 3.5 W PoE: (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, Max: 4.5 W
55	Ingress Protection	IP67

Item No 3: 2.0 MP PTZ CAMERA

SI no	Parameters	Description
56	Image Sensor	1/2.8" progressive scan CMOS
57	Min. Illumination	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0 Lux with IR
58	Shutter Time	50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s
59	Digital Zoom	16x
60	Privacy Mask	24 programmable privacy masks
61	Focus Mode	Auto/Semi-automatic/Manual
62	WDR	120 dB WDR
63	Focal Length	4.8 mm to 153 mm, 32x optical zoom
64	Zoom Speed	Approx. 5.6 s (optical lens, wide-tele)
65	Field of View	Horizontal field of view: 55.6° to 2.04° (Wide-Tele) Vertical field of view: 32.4° to 1.14° (Wide-Tele) Diagonal field of view: 63° to 2.34° (Wide-Tele)
66	Aperture Range	F1.2 to F4.4
67	IR Distance	150 m
68	Smart IR	Yes
69	Movement Range (Pan)	360° endless
70	Pan Speed	Configurable, from 0.1°/s to 120°/s Preset speed: 120°/s
71	Movement Range (Tilt)	From -15° to 90° (auto-flip)
72	Tilt Speed	Configurable, from 0.1°/s to 80°/s Preset Speed: 80°/s
73	Presets	300
74	Patrol Scan	8 patrols, up to 32 presets for each patrol
75	Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
76	Power-off Memory	Yes
77	3D Positioning	Yes
78	PTZ Position Display	Yes
79	Preset Freezing	Yes
80	Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG
81	H.264 Type	Baseline Profile/Main Profile/High Profile
82	Video Bitrate	256 Kbps to 16384 Kbps
83	Smart Event	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection
84	Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
85	ROI	Main stream, sub-stream, and third stream respectively support four fixed areas.

[Signature]
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86	Max. Resolution	1920 × 1080
87	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1280 × 960, 1280 × 720)
88	Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
89	Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
90	Image Enhancement	HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus
91	Network Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR
92	Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
93	API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK
94	Simultaneous Live View	Up to 20 channels
95	User/Host	Up to 32 users 3 levels: Administrator, Operator and User
96	Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
97	Network Interface	1 RJ45 10 M/100 M Ethernet, Hi-PoE
98	Power	24 VAC and Hi-PoE Max.: 30 W, including max. 10W for IR
99	Working Temperature	-30°C to 65°C (-22°F to 149°F)
100	Working Humidity	≤ 90%
101	Protection Level	IP66 Standard, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection

Item No 4: SERVER WITH 64 CAMERA LICENSE AND 30 DAYS BACKUP MEDIA

SI no	Parameters	Description
102	Server	Xeon 8C, 1.7GHz, 1 x 16GB, S100i SATA, 2 x 1GB NIC, 1x 550W PS - 4LFF drive cage, 8TB X4nos loaded, suitable WIN OS to work with VMS application, KB, Mouse, 22" LED Monitor.

Item No 5: 16 Port PoE unmanaged Switch with 2 SFP port, 250 watt

SI no	Parameters	Description
103	16 Port PoE unmanaged Switch with 2 SFP Port	16 Port PoE, Power output: 250 watt, 2 SFP port. 10/100/1000

Item No 6: 24 Port Patch Panel Loaded with dressing

SI no	Parameters	Description
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19-11-20

104	Supply & Installation of LCS3 24port tool-less patch panel & Termination of UTP cables on patch panel with wire manager	Cat 6A, TIA/EI, Tool-Less Keystone, fully loaded. No mounting fastener to be used for installing the panel on rack.
Item No 7: Supply and laying of CAT 6 UTP Cable		
SI no	Parameters	Description
105	Supply & laying of Cat 6A cable	Cat 6A, TIA/EIA 568-A/B. UL Certificate should be submitted.
Item No 8: 55" LED Display Unit Make: LG/SONY/ SAMSUNG		
SI no	Parameters	Description
106	55" LED TV	2 pole, 55", FHD, IPS TECHNOLOGY, NTSC/ATSC/
Item No 9: Supply & Installation of Double section wall mount Rack		
SI no	Parameters	Description
107	Supply & Installation of Double section wall mount Rack	Rack 9U 19" double section, 1x fan, Cable Managerx 1nos, Indian PDU 4 x 5/16 amp and 3 pin plug top.
Item No 10: Supply & Installation of POINT TO MULTIPOINT RADIO CONNECTIVITY		
SI no	Parameters	Description
108	Supply & Installation of Point to Multipoint Radio Connectivity	
Item No 11: Supply & Installation of OFC CABLE Make: FINOLEX, LEGGRAND		
SI no	Parameters	Description
109	Supply, laying and splicing of 4Core SM Fiber 120 meter with patch cord and LIU.	4 core 9/125 Single mode - Multiple Loose Tube. 6 port rack mountable Fiber Panel- loaded.LC-LC, 9/125, Single mode-1.5mtr patch cord - LSZH.
Item No 12: Supply & Installation of 3 meter CAT6 patch cord.		
SI no	Parameters	Description
110	Supply and installation of 3 meter CAT6A patch cord.	Cat 6A, TIA/EIA 568-A/B, LSZH.
Item No 13: CAT6 1 meter Patch cord		
SI no	Parameters	Description

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15.11.2020

111	Supply and installation of 1 meter CAT6A patch cord.	Cat 6A, TIA/EIA 568-A/B, LSZH.
Item No 14: UPS 3 KVA online Make: DELTA/ APC/ NUMERIC		
SI no	Parameters	Description
112	Supply & Installation of 3 KVA Online UPS for server	Power factor 0.8 pf , Input power factor correction(0.95) , Overvoltage Cutoff Device protection, input voltage range (Half load: 110-300 VAC), RACK mountable, inbuilt battery type 12 V / 9 AH X 6, Output Connections 4x 5-pin India socket.
Item No 15: UPS 1 KVA off line line interactive Make: DELTA/ APC/ NUMERIC PVC Box for fitting of cameras		
SI no	Parameters	Description
113	Supply & Installation of 1 KVA UPS	Topology Line Interactive, Nominal Input Voltage 230V, Output power capacity 660 Watts / 1.1 kVA, Battery type Maintenancefree sealed LeadAcid battery with suspended Electrolyte: leakproof, Surge energy rating 255 Joules.
Item No 16: PVC Box for fitting of cameras		
SI no	Parameters	Description
114	suitable PVC box and Junction box for installation of all cameras	
Item No 17: PVC Pipe for laying of cable Make: AKG/POLYCAB		
SI no	Parameters	Description
115	suitable PVC box and Junction box for installation of all cameras	Supply and Installation of PVC 25mm/30mm ISI mark with accessories
Item No 18: Installation, Testing, Commissioning and Training of the Surveillance system		
SI no	Parameters	Description
116	Installation, Testing, Commissioning and Training of the Surveillance system	ITC of the entire project

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19.11.2022

Superintendent
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SECTION –VI

ANNEXURES

**(Technical Bid, Price Bid, Agreement,
Undertaking for Comprehensive Warranty)**


19.11.2020

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CHECK LIST(To be submitted in **Technical Bid**)**Note : The documents has to be arranged serially as per the order mentioned in the check list**

Please put [√](tickmark)in the respective box

COVER – A (TECHNICAL BID)**DOCUMENTS : SUBMITTED OR NOT**

- | | | | |
|--|-------------------------------|------------------------------|------------------------------|
| 1. Tender Document Fees Rs.2000/- | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 2. Earnest Money Deposit Rs.10,000/- | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 3. Details of contract person
Liaisoning agent / servicing centre (Annexure II) | Page <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 4. Declaration form (Annexure -III) signed
by the Tenderer & affidavit before
Notary Public / Executive Magistrate | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 5. Proof of avg. Annual turnover of Rs.50 Lakhs
or more for preceding 3 financial years | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No. <input type="checkbox"/> |
| 6. Leaflets/Technical Brocheures of the
Products offered (Item wise) | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No. <input type="checkbox"/> |
| 7. Copy of Valid ISO Certificate | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 8. Attested Photocopy of Up-to-date
CE/ISI Certificate (Item wise) | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 9. Photocopy of PAN | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 10. Photocopy of up to date GST clearance certificate | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 13. Copy of original Tender paper and schedules, duly
signed by the Tenderer | Page No. <input type="text"/> | Yes <input type="checkbox"/> | No. <input type="checkbox"/> |

19-11-2020

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Balangir - 767001

(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 Balangir.
Name & Full Address		
Telephone Nos., landline		
Mobile		
Fax		
E – Mail		

**Signature of the Tenderer :
with seal**

Date :

Official Seal :


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Balangir - 767001

(To be submitted in Cover A -Technical Bid)

DECLARATION FORM

I / Wehaving My /
our j.....office
at.....do declare that I / We have carefully
read all the terms & conditions of tender of the _____, Odisha for the supply and
Installation of CCTV Camera. The approved rate will remain valid for a period of Three year from
the date of approval. I will abide with **all the terms & conditions** set forth in the **Tender**
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. Organization.

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 5 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.

Signature of the bidder :

Seal

Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public.

Done
19.11.2020

Superintendent

Bhima Bhoi Medical College & Hospital

Balangir - 767001

(To be submitted in Cover A -Technical Bid)

ANNEXURE – IV

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

ANNUAL TURN OVER STATEMENT

The Annual Turnover for supply and installation of CCTV Camera of M/s _____ who is a **Authorized unit** for the last _____ years are given below and certified that the Statement is true and correct.

Sl.No.	Year	Turnover in Crores (Rs.)
1.	2019-20	-
2.	2018-19	-
3.	2017-18	-

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

Date:
Place:

Signature of Auditor/
Chartered Accountant
(Name in Capital)

Seal

Membership No.-

Registration No. of Firm

Note:

a) 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.


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Annexure V (Refer Clause no. 3.12)
PROFORMA FOR PERFORMANCE STATEMENT
 (For the period of last two 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		

Signature and seal of the Tenderer


Superintendent
 Balaram Bhoi Medical College & Hospital
 Balangir - 767001

ANNEXURE – VI

(Refer clause no. 6.1 to 6.5)

THIS AGREEMENT IS MADE AT _____ THIS THE DAY OF _____ 201__

BETWEEN

Name of the
Supplier with full
address

Here in after called the “Supplier(s) ” as 1st Party AND The Superintendent, Bhima Bhoi Medical College & Hospital, Balangir& Represented through the Hereinafter called the “PURCHASER”/ **THE CONSIGNEE** 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 dtd.- _____ 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.


Superintendent
Bhima Bhoi Medical College & Hospital
Balangir - 761001

Description of goods:

Offered Price

Total

The price / cost of the item also include 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. Maintenance of the system includes all accessories supplied and their spare parts required during comprehensive warranty period of Three year at free of cost from the date of successful installation and satisfactory functioning of the system at the site.
8. Installation and commissioning of the system by the Supplier's engineer at site.
9. 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.

[Handwritten Signature]
19.11.2020

Superintendent
Bhima Bhoi Medical College & Hospital
Balangir - 767001

ANNEXURE – VII

(Refer Clause No. 6.1 to 6.5)

WARRANTY / GUARANTEE / 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 (3 years Warranty (Spares + Labour) as per this tender clause No. 6.1 to 6.5.
- ii. I / we will not charge / quote any extra price on account of the above said warranty / guarantee.
- iii. The 3 year comprehensive warranty is valid from dt. _____ to dt. _____.

Date:

Place:

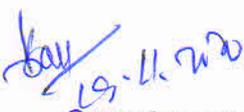
Signature of the competent authority

on behalf of the company / firm.

Seal of the 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.


19-11-2020
Superintendent
Bhima Bhoi Medical College & Hospital
Balangir - 767001

ANNEXURE

(To be submitted in COVER B - PRICE BID)

[Handwritten signature]
6.9.11

Superintendent
Bhima Bhoi Medical College & Hospital
Balangir - 767001

[Type text]

PRICE BID
(Excluding Taxes)

Item No 1: 2.0 MP DOME CAMERA				
Sl no	Parameters	Description	Price per unit	Total Rate in INR
1	Image Sensor	1/2.8" Progressive Scan CMOS		
2	Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON); B/W: 0.001 Lux @(F1.2, AGC ON), 0.0028 Lux @(F2.0, AGC ON)		
3	Shutter Speed	1/3 s to 1/100,000 s		
4	WDR	120 dB		
5	IR Range	Up to 40 m		
6	Wavelength	850nm		
7	Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264		
8	Video Bit Rate	32 Kbps to 8 Mbps		
9	Behavior Analysis	Line crossing detection, intrusion detection		
10	Exception Detection	Scene change detection		
11	Face Detection	Yes		
12	Region of Interest	1 fixed region for main stream		
13	Max. Resolution	1920 × 1080		
14	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)		
15	Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)		
16	Third Stream	50Hz: 1fps (352 × 240, 320 × 240) 60Hz: 1fps (352 × 240, 320 × 240)		
17	Image Enhancement	BLC, 3D DNR, HLC		
18	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser		
19	Network Storage	Support Micro SD/SDHC/SDXC card (128G), NAS (NFS, SMB/CIFS)		
20	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour		
21	API	ONVIF (PROFILE S, PROFILE G), ISAPI		
22	Simultaneous Live View	Up to 6 channels		
23	User/Host	Up to 32 users 3 levels: Administrator, Operator and User		
24	Audio	1 built-in mic		
25	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port		
26	On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB		

[Signature]
Superintendent

27	Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)		
28	Power Supply	12 VDC ± 25%, PoE (802.3af, class 3)		
29	Power Consumption and Current	PoE: (802.3af, 36V to 57V), 0.2 A to 0.1 A, max: 6.5W 12 VDC, 0.4 A, max. 5.0W		
30	Protection Level	IP67		

Item No 2: 2.0 MP BULLET CAMERA

SI no	Parameters	Description	Price per unit	Total Rate in INR
31	Image Sensor	1/2.8" progressive scan CMOS		
32	Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON)		
33	Shutter Speed	1/3 s to 1/100, 000 s		
34	WDR	DWDR		
35	Aperture	F2.0		
36	Lens Mount	M12		
37	IR Range	Up to 40 m		
38	Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264		
39	Video Bit Rate	32 Kbps to 8 Mbps		
40	Behavior Analysis	Line crossing detection, intrusion detection		
41	Region of Interest	1 fixed region for main stream		
42	Max. Resolution	1920 × 1080		
43	Main Stream Max. Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)		
44	Sub-stream Max. Frame Rate	50Hz: 25fps (352 × 240, 320 × 240) 60Hz: 30fps (352 × 240, 320 × 240)		
45	Third Stream Max. Frame Rate	50Hz: 1fps (352 × 240, 320 × 240) 60Hz: 1fps (352 × 240, 320 × 240)		
46	Image Enhancement	BLC, 3D DNR, HLC		
47	Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP		
48	API	ONVIF (PROFILE S), ISAPI		
49	Simultaneous Live View	Up to 6 channels		
50	User/Host	Up to 32 users 3 levels: Administrator, Operator and User		
51	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port		
52	Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing)		
53	Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)		
54	Power Consumption and Current	12 VDC, 0.3 A, max: 3.5 W PoE: (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, Max: 4.5 W		
55	Ingress Protection	IP67		

[Handwritten Signature]

Superintendent

Bhima Bhoi Medical College & Hospital
Balangir - 767001

Item No 3: 2.0 MP PTZ CAMERA

Sl no	Parameters	Description	Price per unit	Total Rate in INR
56	Image Sensor	1/2.8" progressive scan CMOS		
57	Min. Illumination	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0 Lux with IR		
58	Shutter Time	50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s		
59	Digital Zoom	16x		
60	Privacy Mask	24 programmable privacy masks		
61	Focus Mode	Auto/Semi-automatic/Manual		
62	WDR	120 dB WDR		
63	Focal Length	4.8 mm to 153 mm, 32x optical zoom		
64	Zoom Speed	Approx. 5.6 s (optical lens, wide-tele)		
65	Field of View	Horizontal field of view: 55.6° to 2.04° (Wide-Tele) Vertical field of view: 32.4° to 1.14° (Wide-Tele) Diagonal field of view: 63° to 2.34° (Wide-Tele)		
66	Aperture Range	F1.2 to F4.4		
67	IR Distance	150 m		
68	Smart IR	Yes		
69	Movement Range (Pan)	360° endless		
70	Pan Speed	Configurable, from 0.1°/s to 120°/s Preset speed: 120°/s		
71	Movement Range (Tilt)	From -15° to 90° (auto-flip)		
72	Tilt Speed	Configurable, from 0.1°/s to 80°/s Preset Speed: 80°/s		
73	Presets	300		
74	Patrol Scan	8 patrols, up to 32 presets for each patrol		
75	Pattern Scan	4 pattern scans, record time over 10 minutes for each scan		
76	Power-off Memory	Yes		
77	3D Positioning	Yes		
78	PTZ Position Display	Yes		
79	Preset Freezing	Yes		
80	Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG		
81	H.264 Type	Baseline Profile/Main Profile/High Profile		
82	Video Bitrate	256 Kbps to 16384 Kbps		
83	Smart Event	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection		
84	Smart Record	ANR (Automatic Network Replenishment), Dual-VCA		
85	ROI	Main stream, sub-stream, and third stream respectively support four fixed areas.		
86	Max. Resolution	1920 × 1080		
87	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1280 × 960, 1280 × 720)		
88	Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)		

Dr. P. N. W. N. W.
Superintendent

89	Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)		
90	Image Enhancement	HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus		
91	Network Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR		
92	Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour		
93	API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK		
94	Simultaneous Live View	Up to 20 channels		
95	User/Host	Up to 32 users 3 levels: Administrator, Operator and User		
96	Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering		
97	Network Interface	1 RJ45 10 M/100 M Ethernet, Hi-PoE		
98	Power	24 VAC and Hi-PoE Max.: 30 W, including max. 10W for IR		
99	Working Temperature	-30°C to 65°C (-22°F to 149°F)		
100	Working Humidity	≤ 90%		
101	Protection Level	IP66 Standard, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection		

Item No 4: SERVER WITH 64 CAMERA LICENSE AND 30 DAYS BACKUP MEDIA

Sl no	Parameters	Description	Price per unit	Total Rate in INR
102	Server	Xeon 8C, 1.7GHz, 1 x 16GB, S100i SATA, 2 x 1GB NIC, 1x 550W PS - 4LFF drive cage, 8TB X4nos loaded, suitable WIN OS to work with VMS application, KB, Mouse, 22"LED Monitor.		

Item No 5: 16 Port PoE unmanaged Switch with 2 SFP port, 250 watt

Sl no	Parameters	Description	Price per unit	Total Rate in INR
103	16 Port PoE unmanaged Switch with 2 SFP Port	16 Port PoE, Power output: 250 watt, 2 SFP port. 10/100/1000		

Item No 6: 24 Port Patch Panel Loaded with dressing

Sl no	Parameters	Description	Price per unit	Total Rate in INR
104	Supply & Installation of LCS3 24port tool-less patch panel & Termination of UTP cables on patch panel with wire manager	Cat 6A, TIA/EI, Tool-Less Keystone, fully loaded. No mounting fastener to be used for installing the panel on rack.		

Dr. S. U. W. D.
Superintendent

Item No 7: Supply and laying of CAT 6 UTP Cable

Sl no	Parameters	Description	Price per unit	Total Rate in INR
105	Supply & laying of Cat 6A cable	Cat 6A, TIA/EIA 568-A/B. UL Certificate should be submitted.		

**Item No 8: 55" LED Display Unit
Make: LG/SONY/ SAMSUNG**

Sl no	Parameters	Description	Price per unit	Total Rate in INR
106	55" LED TV	2 pole, 55", FHD, IPS TECHNOLOGY, NTSC/ATSC/		

Item No 9: Supply & Installation of Double section wall mount Rack

Sl no	Parameters	Description	Price per unit	Total Rate in INR
107	Supply & Installation of Double section wall mount Rack	Rack 9U 19" double section, 1x fan, Cable Managerx 1nos, Indian PDU 4 x 5/16 amp and 3 pin plug top.		

Item No 10: Supply & Installation of POINT TO MULTIPOINT RADIO CONNECTIVITY

Sl no	Parameters	Description	Price per unit	Total Rate in INR
108	Supply & Installation of Point to Multipoint Radio Connectivity			

**Item No 11: Supply & Installation of OFC CABLE
Make: FINOLEX, LEGGRAND**

Sl no	Parameters	Description	Price per unit	Total Rate in INR
109	Supply, laying and splicing of 4Core SM Fiber 120 meter with patch cord and LIU.	4 core 9/125 Single mode - Multiple Loose Tube. 6 port rack mountable Fiber Panel- loaded.LC-LC, 9/125, Single mode-1.5mtr patch cord - LSZH.		

Item No 12: Supply & Installation of 3 meter CAT6 patch cord.

Sl no	Parameters	Description	Price per unit	Total Rate in INR
110	Supply and installation of 3 meter CAT6A patch cord.	Cat 6A, TIA/EIA 568-A/B, LSZH.		

Item No 13: CAT6 1 meter Patch cord

Sl no	Parameters	Description	Price per unit	Total Rate in INR
111	Supply and installation of 1 meter CAT6A patch cord.	Cat 6A, TIA/EIA 568-A/B, LSZH.		

[Handwritten Signature]

Item No 14: UPS 3 KVA online Make: DELTA/ APC/ NUMERIC				
SI no	Parameters	Description	Price per unit	Total Rate in INR
112	Supply & Installation of 3 KVA Online UPS for server	Power factor 0.8 pf , Input power factor correction(0.95) , Overvoltage Cutoff Device protection, input voltage range		
		(Half load: 110-300 VAC), RACK mountable, inbuilt battery type 12 V / 9 AH X 6, Output Connections 4x 5-pin India socket.		
Item No 15: UPS 1 KVA off line line interactive Make: DELTA/ APC/ NUMERIC PVC Box for fitting of cameras				
SI no	Parameters	Description	Price per unit	Total Rate in INR
113	Supply & Installation of 1 KVA UPS	Topology Line Interactive, Nominal Input Voltage 230V, Output power capacity 660 Watts / 1.1 kVA, Battery type Maintenancefree sealed LeadAcid battery with suspended Electrolyte: leakproof, Surge energy rating 255 Joules.		
Item No 16:PVC Box for fitting of cameras				
SI no	Parameters	Description	Price per unit	Total Rate in INR
114	suitable PVC box and Junction box for installation of all cameras			
Item No 17:PVC Pipe for laying of cable Make: AKG/POLYCAB				
SI no	Parameters	Description	Price per unit	Total Rate in INR
115	suitable PVC box and Junction box for installation of all cameras	Supply and Installation of PVC 25mm/30mm ISI mark with accessories		
Item No 18: Installation, Testing, Commissioning and Training of the Surveillance system				
SI no	Parameters	Description	Price per unit	Total Rate in INR
116	Installation, Testing, Commissioning and Training of the Surveillance system	ITC of the entire project		

Signature & Seal of the Bidder


 Superintendent
 Dhama Bhoi Medical College & Hospital
 Balangir - 767001