



मुख्यमंत्री निःशुल्क जाँच योजना

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F-80) RMSC/EPM/M-5/2024-25/NIB-862/495

Date:- 21-11-2024

Clarification/Corrigendum/Addendum

Subject: - Revised bid submission date and Revised bid value and Revised item list of the rate contract for Equipments/Items-Trauma center for Under NIB No. F-80) RMSC/EPM/M-5/2024-25/NIB- 862/359 Date 23.09.2024

1. Revised Technical Specifications:

Revised Technical Specifications

Proposed Revised Technical Specifications by Technical Committee

Items wise Technical Specifications for 100 Primary Trauma Centre's

1. (A) Laryngoscope (Adult)
 1. Adult set of 4 blades
 2. Size-1,2,3,4 &std handle
- (B) Laryngoscope (pediatric)
 1. pediatric set of 2 blades
 2. Size-- miller 0.1 &Penlite handle -1 set
2. X-Ray View Box (LED X-ray Film View Box with 3 Film Viewer)
3. **Desktop Computer**
 - A. Intel i5 / Ryzen 5
 - B. considering pre-installed Genuine Windows11 Professional, 16 GB RAM and 1 TB Storage)

Parameter	Minimum Technical Specification
Processor & Chipset	(Intel i5,6 Core or higher, with minimum 2.5GHz or higher(Base Frequency), 18 MB Cache or higher with 13 th or higher Generation and to be Certified by OEM and Compatible chipset) OR (Ryzen5, 6 Core or higher, with minimum 3.9GHz or higher (Base Frequency), 18 MB Cache or higher with 5000 Series or higher and to be Certified by OEM and AMD)
Operating System	1. Pre-installed Genuine Microsoft Windows 11 Professional (64bit) or higher 2. Recovery partition (applicable for Windows).
Memory(RAM)	8GB DDR4 3200MHz or higher with 64GB Expandability

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Storage	1 TB SSD
Graphics	Integrated HD Graphic card or higher
Ports	Minimum 5 USB ports with at least 2 USB 3.0 or higher ports ,HDMI, Display port, Audio jack for headphone & microphone
Display	Minimum 19.5 inch or higher, Resolution 1600x900 or higher Display
Antivirus	Latest Antivirus & Internet Security, with minimum 3 years Subscription
Certification	BIS (for Monitor only)
Compliance	RoHS
Keyboard & Mouse	USB Keyboard & USB two button optical Mouse with Mouse Pad (Same make as Desktop)
Network Interface	Integrated 10/100/1000GB Ethernet, Integrated 802.11ac Wi-Fi and Bluetooth 4.0 or higher
Form Factor	SFF/MT
Accessories	All necessary cables
Security	2.0 Trusted Platform Module (TPM) Hardware/Firmware
Expansion slots	Minimum two PCIe slots
Warranty	3 Years comprehensive on site OEM warranty

4. Uninterruptible Power Supply (1KVA UPS) for Desktop Computer

Parameter	Minimum Technical Specifications
UPS Capacity	1KVA
Mode	Line interactive
Protection	Full Protection
voltage	230V +-10%
Range	160V-280V
Power factor	0.6 or higher
Backup time	168 VAH for 30Minutes backup on 1PC (In built Battery)

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Indicator	Mains On/On Battery/ Low Battery/ Fault/ Overload
Plug and cable	Input cable of 3pin Indian plug and output have minimum 3 or more Nos. of 5 pin Indian socket
Battery Type	Sealed Lead Acid Valve Regulated
Alarm	ON Battery/Fault Over Load ,Low Battery
Certifications	BIS
Compliance	ROHS(Only UPS)
Test report	OEM should submit test report for the quoted model issued by State/ Central laboratory/ NABL accredited labs (not old from last 5 Years)
Warranty	3 Years comprehensive on site OEM warranty

5. Multi-Functional Printer (MFP)

Printer- Laser/Ink Tank 18PPM

Parameter	Minimum Technical Specification
Functions	Print
Printing technology	Laser/ Ink Tank
Paper size	A4 or higher
Print Speed (Minimum)	18PPM (Mono) or higher
Print Resolution	600x600 dpi or higher
Duplex	Manual Duplex
Connectivity	Hi-Speed USB 2.0 port
Duty Cycle(Monthly)	5000 pages or higher
Memory	16 MB or higher
Input paper tray capacity	100 Pages or higher
Compatible OS	Windows and Linux
Cables/Accessories	All the required cables, accessories
Software Media	Driver & Utility software
Certifications	BIS

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Compliance	RoHS
Warranty	3 Years comprehensive on site OEM warranty

6. Radiology High Frequency X-Ray Machine (100mA mobile)

Revised Technical Specifications of Radiology High frequency X ray Machine (100 mA Mobile)

X-RAY GENERATOR:

- High Frequency X-Ray generator having frequency of 50 KHz or more.
- Power output should be **4.0 KW or more**
- Radiographic KV range should be 40 to 100 KV or more.
- Rad mA : 100 mA or more
- Exposure Time 7 ms to 7 sec or less

X-RAY TUBE HEAD:

- Monoblock version X-Ray Tube Head with Rotating Anode with dual focuses X-Ray Tube. A very compact H.V. Tank filled with high dielectric transformer oil or Monoblock HT tank should be provided. The monoblock consists of Tube, H.V, transformer, filament transformer, H.V. Rectifiers & One No. Manual Collimator should be provided, with auto off facility.
- Anode heat storage capacity of tube should be 60 KHU or more.

CONTROL PANEL:

- Two point selection technique i.e. KV and mAs.
- KV increase and decrease switches
- mAs increase and decrease switches.
- Machine ON/OFF switch
- Collimator Lamp ON Switch-on collimator side and control board.
- Standby & Exposure Switch
- Self diagnostic Programme with indicators for:-
 - Earth fault error
 - KV error/ Inverter error
 - Filament error
 - Tube head Thermal Error
 - Stand by (Ready) & X-Ray On Indicator
- Incoming Voltage Indicator. There should be provision for the machine to work from 195 Volts Input supply to 265 V input supply.
- Anatomical Programming Radiography (i.e. APR) should be provided in which KV & mAs are automatically selected depending upon the physique of the patient and part of the body to be X-Rayed.
- Anatomical Programming should be of minimum 200 programmes should be provided. There should be a provision that the control should get off, if no key is pressed for 10 mins.
- A Hand switch with Dual action for exposure Release with Retractable Cord is should be provided for Radiation Protection to the Operator.

TUBE STAND:

- Mobile stand with 4 wheel design, which ensures easy mobility & steering. The spring Balance Stand (No Gas Spring) should be very light in weight with tube arm. It should be very easy to maneuver & allow smooth movements of Tube Head in vertical plane. It should be lined

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cassette storage box. Large wheels for easy mobility should be provided. The stand is designed for maximum maneuverability of the unit and is able to achieve tube focus to floor of 75 inches and tube focus to table top distance of 46" (Standard Radiography Table). The equipment should occupy minimum floor area & is capable to be taken through elevators with ease.

- The Entire Tube Arm should be Swiveled + or - 90 degree (180) degree for taking sidewise X-Rays without moving Machine.

POWER SUPPLY:

- The unit should be operable on 230 Volts, 50Hz, 15 Amps with line regulation of + or -15% Line resistance less than 0.4 ohms.

ACCESSORIES: Following accessories should be supplied with the machine at the time of installation

a) Lead Apron 0.5mm Pb equivalent	1No.
b) Lead goggles	2 No.
c) Gonadal Shields	2 No.

OTHER REQUIREMENTS:

1. The quoted model should be AERB approved. Relevant documents shall submit along with technical bid.
2. The product should have European CE (04 digit notified body)/ USFDA (510K) approved/ BIS. Valid documentation should be submitted in technical bid.
3. The unit should be approved by AERB. (valid documentation should be submitted in technical bid).
4. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item in the Technical bid
5. The complaint of this equipment shall be attended within 72 hrs.
6. The Company should be provided QA & QC test report at the time of Installation & in every **Three years** during guarantee period.
7. Installation will be done by supplier free of cost.
8. The Company should submit original catalogue and data sheet (signed & stamped) of quoted item at the time of bid submission. Any declaration / undertaking in this regard shall not be considered.
9. The Firm shall provide guideline and support to consignee, required to register online official Website eLORA (e-Licensing of Radiation Application).
10. The quoted product should have valid CDSCO approval. Related documents shall submit along with technical bid.

7. **Automated External Defibrillator (AED)**

1. The device should be USFDA (510K)/ European CE (04 digit notified body)/BIS Certified approved and should deliver Biphasic Wave forms only.
2. Should be in accordance with latest ILCOR -ERC/AHA guidelines.
3. The machine should be Fully automatic version
4. It should be automatically switched on when the cover is opened or with start button, pre-connected pads and pre-charge for a faster shock delivery & ready to use.
5. Should have audible prompts in Hindi and English to guide users through the complete operation sequence.
6. Should have Automatic daily self-test to ensure device and accessories continuous readiness.
7. Should have Metronome and rate feedback in real time for effective chest compressions.
8. The device should have dust/water resistance rating minimum of IP55

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9. AED Pads should have pictorial presentation for placement Battery:
 1. The battery should be non-rechargeable and should be able to generate up to 200 J
 2. The battery should ideally be detachable
 3. There should be no possibility of either displacement or disconnection of batteries or connections in dynamic/mobile environment.
 4. Life of battery should be sufficient to deliver a minimum of 200 shocks or last a minimum of 3 calendar years or more.
 5. The machine should have automatic self-calibration to ensure read in assess status and capability to deliver shock at the set level of energy.
 6. Should not weigh more than 3 Kilograms with Battery
 7. The feature required that the machine should analyse the rhythm and change when required. Shock should be delivered automatically or by pressing the shock key.
 8. The quoted product should have valid CDSCO approval. Related documents shall submit along with technical bid.

8.(A) Ambu Bag (adult) Silicon Resuscitator

1. Should have silicon rubber bellow to with stand autoclave at 134 deg. C
2. Should provide with autoclavable face mask & Oxygen Connecting tube.
3. Should be supplied with a carry pouch.
4. It should have a bag volume of 1600 ml. , variation of ± 100 ml will be accepted.
5. It should have controlled flow rates and ventilation, and with reduced airway pressure.
6. Should have a port in the bag to connect oxygen with reservoir bag
7. The quoted product should have valid CDSCO approval. Related documents shall submit along with technical bid.

(B) Ambu Bag (Pediatric) Silicon Resuscitator

1. Should have silicon rubber bellow to with stand autoclave at 134 deg. C
2. Should provide with autoclave able face mask & Oxygen connecting tube
3. Should be supplied with a carry pouch.
4. It should have a bag volume of 500 ml., variation of ± 100 ml will be accepted.
5. It should have controlled flow rates and ventilation, and with reduced airway pressure
6. Should have a port in the bag to connect oxygen with reservoir bag
7. The quoted product should have valid CDSCO approval. Related documents shall submit along with technical bid.

9.Thomas Splint Sizes : Adult: 52" / Child: 31"

10.LMA : Intubation Laryngeal mask airway (Disposable) of 2.5, 3.0 & 4.0 sizes

11- OT LIGHT-LED Single dome

- 1) Should be a Surgical Light unit incorporating the latest LED technology shadowless operating light field with the following specifications
- 2) Should have Single Colour high performance LEDs with life time more than 40,000 hours
- 3) Should be a Single dome should have the following specifications
 - a) LUX intensity 1,40,000 Lux or above. For this, NABL test report (under scope) shall submit along with technical bid.
 - b) Light Field diameter shall be above 24 cm or better

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- c) Colour temperature should be between 3800 K or more. For this, NABL test report (under scope) shall submit along with technical bid.
- d) Colour rendering index should not be less than 95 cm.
- e) Depth of illumination should not be less than 100 cm
- f) Illumination adjustment 30% to 100%
- g) The light dome shall be compatible for laminar air flow.
- 4) Should have stable illumination throughout the life period of the light. If the intensity reduces during the warranty or CMC period the LEDs has to be replaced at free of cost if required.
- 5) The LED's must be of a single color suitable for long term maintenance and ease of replacement
- 6) Temperature rise at the surgeon head level should be less than 2 degree C
- 7) Should have control panel for light focusing adjustment fixed on the dome or arms
- 8) Should supply autoclavable handle 3 Nos for each dome
- 9) Unit should function with 200-240Vac, 50/60 Hz input power supply
- 10) Should have Electrical safety test report as per Standard IEC 60601-2-41 from NABL Testing Laboratory , Copy of the test report shall be produced along with the technical bid.
- 11) The intensity of light from each dome should be uniform during the surgery
- 12) The quoted product should have valid CDSCO approval. Related documents shall submit along with technical bid.

12. Gauze Place Bin (Dressing Drum Stainless Steel) size- 11 inch x 9 inch

13. Kidney tray Set -Stainless steel grade 304 (8, 12 inch)

14. Bed pan should be

1. Made of light weight polyethylene
2. Resistant to stains & cracks
3. Contoured design molded plastic for adults with wide seat
4. Can be boiled or autoclaved up to 275 degrees F
5. 350-pound weight capacity
6. 'Pantoons' on sides to aid stability
7. Recessed tailbone area for comfort

15. SS Kick Blow/Bucket (304 grade stainless steel, Easy removable and smart clean, 330mm external diameter bowl with 4lt. volume)

16. Magles forceps size Adult/Pediatric

17.

(A) Containers 25 liters (Waste Collection Bins) Red, Yellow, Green & Black

(B) Sharp Container

1. Needles or needle residues are stored until the needle container is filled up to its designed maximum fill line, at which point the container must be removed, capped, and either disposed of or emptied. In the case of disposable needle containers with integral containers and cutting assemblies, it should be ensured that the entire device is

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- disposed of properly.
- Drop test (needle container only)
 - The container when full of needles and with the closure device engaged should be dropped 100 times onto a smooth concrete surface from a height of 1000mm.
 - No needles must fall out of the container Not more than one needle must pierce any of the sides The container must not be seriously damaged by the test

18-Cervical Collar

Fixed size:

- Single piece hard plastic lined by foam inside.
- Velcro strap for fixing
- Tracheal and back panel openings enough for neck exam and ongoing back of the neck exam
- Radiolucent, MRI, CT compatible
- Large, medium and small size

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(A) Forceps set

S.N.	Specification
1.	Dissecting forceps 6"
2.	Dressing Scissors 6"
3.	Needle Holder
4.	Artery Forceps 6"
5.	Moquito Forceps 5"
6.	B.P. Handle No. 04. With Blade.

(B) First aid surgical kit / dressing kit (SS)

- Artery forceps Crile straight.
- Artery fororps Crile straight box joint 6"
- Anery forceps Crile straight box joint 6"
- Artery Innerps Crile carved.
- Artery forceps Crile curved on flat box joint 6"
- Artery forceps Crile curved on flat box joint 8"
- Sterilizer Forceps Cheafle's Pattern 10" Scissors straight with blunt point.

Items wise Technical Specifications for Deedwana Primary Trauma Centre

1. A-Type Nitros Oxide Cylinder (Mild Steel)

Medical Nitrous Oxide Cylinder (A Type) Water Capacity (Litres): 5; Volume of gas (cubic meter) contained in a full cylinder:1.74 Minimum Gas weight of a full cylinder :3 kg Should be fitted with pin indexed flush value for direct attachment to Anesthesia Workstation

- Artery forceps Crile Curved on flat box Joint 12 Inches
- Artery forceps Crile Curved on flat box Joint 15 Inches
- Artery forceps Crile Curved on flat box Joint 6 Inches
- Artery forceps Crile Curved on flat box Joint 8 Inches
- Artery forceps Crile straight box Joint 6 Inches

7. Bed Side Locker

CRCA 1.0mm Sheet with powder Coating

Overall Dimension: Length : 400 mm (+/- 5 mm variation) *

Width : 400 mm (+/- 5 mm variation)

Height : 805 mm (+/- 5 mm variation)

Top of bed side locker should be made from 1.2mm thick stainless steel and should have back and side bent upward for acting as guard railing (height of this SS sheet not less than 3

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inch and front side should be bent downward.

The door of the cabinet should be made from CRC Sheet of 1.25 mm thick press bent to required size. Door of the cabinet is offered with 3 ventilation louvers to provide air vents. The door should be press bent in such manner on top/ side of door to facilitate opening/ closing. Door is pivoted to the cabinet with help of stainless-steel rod. Pivoted rod acting as a hinge and allow the door to swing. Shoe made from hard rubber. Nominal height of the shoe should be 30 mm.

8. BiPAP Mask Ventilator well Cushioned Face Mask

S.N.	Specification
1.	Non-invasive ventilation support system to ensure proper ventilation to COPD patients.
2.	It should be suitable for Adult and Paediatric patients.
3.	Modes of operation: CPAP, Spontaneous, S/T, Time Mode & Pressure Control.
4.	It should have display to monitoring facility for Tidal Volume, RR, Minute ventilation, I: E ratio.
5.	Operating pressure range of IPAP, EPAP & CPAP : 2 to 20 cm H ₂ O or more
6.	Unit should be capable of delivering Tidal Volume 1200 ml or more.
7.	Breath rate should be able to set up to 30 BPM with Ti of 0.3 to 3 sec. and rise time 100ms to 600ms.
8.	Sensitivity settings: should have trigger and cycle setting.
9.	Unit should have integrated alarm for power, Pressure (High/Low), Low Minute ventilation, Apnea, Respiratory rate (High/Low), Circuit disconnected etc. With digital technology for improved leak compensation during inspiration & exhalation.
10.	Complete unit should be supplied in good quality bag which can carry both adult and paediatric circuit and mask along with equipment.
11.	Device should have USFDA (510k) approval / European CE (04 digit notified body)/BIS , under relevant category. Related documents / certification shall be submitted along with technical bid.
12.	Unit should have battery backup capacity of 2 hour or more.
13.	Unit should be supplied with reusable patient circuit and reusable full face mask with harness Adult & Paediatric (1 no. each), operational / training manual (1 no.).
14.	The quoted product should have valid CDSCO approval. Related documents shall submit along with technical bid.

9. Bone Cutting, Drilling & reaming System

- Driving Unit- Completely enclosed Motor with MCB, Supported on a Mobile Folding Stand (Stainless Steel tubes & MS square bars, with castors). Includes a Foot Control/ Hand Synchronised, (Stainless Steel Body) with step-less speed control & ON/OFF switch with fuse.
- Cannulated Drill Pistol Grip Handpiece (Autoclavable)
 - Stainless Steel Jacob's (USA) Drill Chuck (0-1/4")
 - Light Weight
 - Maximum speed 1200 RPM or more.

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- Cannulation 4 mm of more.
- 3. Cannulated Reaming Pistol Grip Handpiece (Autoclavable)
 - Maximum Speed 400 to 800 RPM
 - AO type quick coupling
 - Cannulation 4 mm of more
 - Ideal for Intra Medullary Reaming
 - Light Weight
- 4. Saggital Saw Pistol Grip Handpiece (Autoclavable)
 - More than 11000 Oscillation per second.
 - Ideal for TKR, THR
 - Five types of blades can be set at different directions.
 - Light Weight
 - Set of 5 blades (hardened & tempered high quality stainless steel)
 - 2 Special Blades for Total Kanee Replacement (TKR) is provided.
- 5. Flexible Reamers (Autoclavable)
 - Flexible Reamer Shaft 8mm dia fixed Head-01 No.
 - Flexible Reamer Shaft for detachable heads up to 12mm (dia. 8mm).
 - Flexible Reamer Shaft for detachable heads above 12 mm (dia 10 mm).
 - Detachable Reamer Heads from 8.5 to 12mm, steps 0.5mm.
 - Detachable Reamer Heads from 12.5 to 15mm, steps 0.5mm.
 - Guide Wires (3 Nos) standard length 100cm.
- 10. CCTV Camera Surveillance System
(Surveillance Camera set (16 Cameras, 1 DVR set / 32"LED TV)

Full HD IP Bullet Camera with IR

S. No.:	Features	Description
1.	Make	
2.	Model	
3.	Camera Type	Bullet
4.	Standard	ONVIF Profile S Compliant
5.	Integration with existing VMS	SI has to ensure integration with existing VMS i.e. Nicevision Net 3.1 or higher Necessary SDK of camera for integration to Be provided by SI
6.	Certification	BIS, FCC, RoHS and CE/UL

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7.	Edge Storage	Micro SD/micro SDHC/micro SDXC slot along with supporting memory card for min. 256 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD Card based recordings to network storage.
8.	Image Sensor	1/2.8"CMOS or better
9.	Resolution	4MP (Min.2560x1440) at 25 FPS or better
10.	Max. Mbps Constrained VBR	6
11.	Compression	H.264, H.265
12.	Streaming	Min. Triple compressed stream (Individually Configurable)
13.	Audio	Full Duplex, Audio Input/Output1 Ch
14.	Alarm	1 digital input, 1 Relay output
15.	Audio Compression	G.726/G.711
16.	Pre/Post Alarm buffer	Yes
17.	ID/Password	Multi-level user ID / Password
18.	Encryption	HTTP (SSL/TLS)/ HTTPS
19.	Video Authentication	For video authentication, classic watermarks/digital signature must be embedded in Video Stream along with name, time, date stamped which cannot Be tampered
20.	Physical Layer	10/100 base Tx Ethernet
21.	Protocol	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPV4, IPV6,FTP, NTP,DHCP, RTP, SMTP, UDP,UPnP,ICMP,IGMP,SSL,QoS,802.1x, DNS,DDNS,HTTPS
22.	IP Support	Static/dynamic or both
23.	Remote Administration	Remote configuration and status using web Based tool
24.	System Update	Remote system update over Network using Web client
25.	PC Client	PC application client with a channel Recording feature support

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26.	Web Client	Viewer through HTTP(min.) System Configuration Setting/Streaming
27.	Simultaneous Connection	3 users or more
28.	Lens Type	3-9 or better, F1.6 motorised autofocus And varifocal or better
29.	Dynamic Noise Reduction	3D
30.	Auto Exposure	Automatic Level Control/Electronic Level Control
31.	Illumination	Color :0.3 lux, F1.6 or better B/W:0.04lux, F1.6 or better At 50 IRE Inbuilt IR (50mtrs. or better)
32.	Signal Process	Digital Signal Process
33.	Motion Detection Zones/ privacy zones	3 or higher
34.	Auto Gain Control	Yes.
35.	Back Light Compensation	Yes
36.	Electronic Shutter	1/3 to 1/10000 or better
37.	White Balance	Yes
38.	Wide Dynamic Range	min 120db (Sensor based)
39.	High Light Compensation	Yes
40.	Day and Night	Yes (as per minimum illumination)
41.	Operating Temperature	0°C to 60°C Humidity 20-80% RH (non-condensing)
42.	Power Source	Suitable adaptor shall be supplied to make the equipment work on 230V $\pm$ 10%, 50Hz And Power over Ethernet (PoE 802.3af/at)
43.	Internet protocol Support	IPv4 and IPv6

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44.	Housing	Poly Carbonate/ Aluminum Construction with IP-67 Including pole mount/wall mount accessories, Power and data cables Polycarbonate bird control spike
45.	Anti-Vandalism rating	IK10
46.	Edge based video Content Analytics	Video motion detection and Active Tampering alarm
47.	Accessories	All required accessories at site for installation of camera to be provided like Pole Mount, Corner brackets, Connector kit, screws etc.
48.	Warranty & Maintenance Support	5Years Comprehensive on site OEM Warranty & Maintenance support

Full HD IP Dome Camera with IR

S. No.	Features	Description
1.	Make	
2.	Model	
3.	Camera Type	Dome
4.	Standard	ONVIF Profile S Compliant
5.	Integration with existing VMS	SI has to ensure integration with existing VMS i.e. Nicevision Net 3.1 or higher Necessary SDK of camera for integration to Be provided by SI
6.	Certification	BIS, FCC, RoHS and CE/UL
7.	Edge Storage	Micro SD/micro SDHC/micro SDXC slot along with supporting memory card for min. 256 GB (Min. Class 6 or higher, Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required o transfer the SD Card based recording stone two rk storage.
8.	Image Sensor	1/2.8" CMOS or better
9.	Resolution	4MP (Min.2560x1440) at 25 FPS or better

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10.	Max. Mbps Constrained VBR	6
11.	Compression	H.264,H.265
12.	Streaming	Min. Triple compressed stream (Individually Configurable).
13.	Audio	Full Duplex, Audio Input/Output1Ch
14.	Alarm	1 digital input, 1 Relay output
15.	Audio Compression	G.726/G.711
16.	Pre/Post Alarm buffer	Yes
17.	ID/Password	Multi-level user ID/Password
18.	Encryption	HTTP(SSL/TLS)/HTTPS
19.	Video Authentication	For video authentication ,classic watermarks/digital signature must be embedded in Video Stream along with name, time, date stamped which can not be tampered
20.	Physical Layer	10/100base Tx Ethernet or better
21.	Protocol	Minimum TCP, HTTP, RTP, RTSP, SNMP, IPV4,IPV6,FTP,NTP,DHCP,RTP,SMTP,UDP, UPnP,ICMP,IGMP,SSL,QoS,802.1x,DNS, DDNS,HTTPS
22.	IP Support	Static/dynamic or both
23.	Remote Administration	Remote configuration and status using web Based tool
24.	System Update	Remote system update over Network using Web client
25.	PC Client	PC application client with a channel Recording feature support
26.	Web Client	Viewer through HTTP(min.) System Configuration Setting/Streaming
27.	Simultaneous Connection	3 users or more
28.	Lens Type	3mm or better

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मुख्यमंत्री निःशुल्क जाँच योजना

29.	Dynamic Noise Reduction	3D
30.	Auto Exposure	Automatic Level Control/Electronic Level Control
31.	Illumination	Color:0.3 lux,F1.6 or better B/W:0.04 lux,F1.6 or better At 30 IRE In built IR(30mtrs.orbetter)
32.	Signal Process	Digital Signal Process
33.	Motion Detection Zones/privacy zones	3 or higher
34.	Auto Gain Control	Yes
35.	Back Light Compensation	Yes
36.	Electronic Shutter	1/3s to 1/10000s or better
37.	White Balance	Yes
38.	Wide Dynamic Range	Min 120 db (Sensor based)
39.	Day and Night	Yes (as per minimum illumination)
40.	Operating Temperature	0°C to 60°C Humidity 20–80%RH(non-condensing)
41.	Power Source	Suitable adaptor shall be supplied to make the equipment work on 230V±10%, 50Hz And Power over Ethernet (POE802.3af/at)
42.	Internet protocol Support	IPv4 and IPv6
43.	Housing	Poly Carbonate/ Aluminum Construction withIP-67 Including pole mount/wall mount accessories, Power and data cables
44.	Anti-Vandalism rating	IK10
45.	Edge based video Content Analytics	Video motion detection and Active Tampering alarm

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मुख्यमंत्री निःशुल्क जाँच योजना

46.	Accessories	All required accessories at site or installation of camera to be provided like Pole Mount, Corner brackets, Connector kit, screws etc.
47.	Mac Address	Mac Address shall be in the name of OEM
48.	Warranty & Maintenance Support	5YearsComprehensiveonsiteOEM Warranty & Maintenance support

9U Wall Mount indoor Network Rack

S.No.	Particulars	Minimum Specifications
1	Make Offered	
2	Model Offered	
3	Height	9U usable space for 19" equipment's
4	Type	Single Section Wall mount rack
5	Wire managers	One horizontal
6	Power distribution	(4points-5Amp sockets and 2 points-15Amps sockets) power distribution Indian round pin
7	Door	Perforated metallic/glass door in front with lock
8	Fan trays	With 2fans
9	Metal	Aluminum/Steel
10	Side panels	Detachable/non-detachable side panels
11	Cable Manager	1UC able Manager
12	Width x Depth	550mm*600mm
13	Certifications	Rack should be from ISO 9001:2008 & I SO 14001:2004 & 18001:2007 Certified Company & UL Listed
14	Standards	Rack should Conform to DIN 41494 or Equivalent EIA /ISO / EN Standard.
15	Make	Product should be Make in India
16	Warranty & Maintenance Support	5 Years Comprehensive on site OEM Warranty & Maintenance support

NVR (16 Channel)

S. No.	Features	Description
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मुख्यमंत्री निःशुल्क जाँच योजन

1.	Make	
2.	Model	
3.	Integration with Existing VMS	SI has to ensure integration with existing VMS i.e. Nice vision Net 3.1or higher
4.	VIDEO	
5.	Video Inputs	16 IP Cameras with min.1080p
6.	Camera Support	ONVIF Compliant
7.	Video Output	1HDMI, 1VGA OUT
8.	Display Resolution	Min.1920×1080,1600×1200,1280×720
9.	Display Speed	16 channel real-time live
10.	Digital Zoom	Yes
11.	RECORDING	
12.	Video Compression	H.264, H.264+/H.265
13.	Throughput	Incoming: Min.80Mbps Outgoing:Min.80Mbps
14.	Recording Resolutions	1920x1080, 1280x720
15.	Trigger events	Alarm in, Audio detection, Motion Detection, Trip-zone, Tampering, Video loss
16.	PLAYBACK	
17.	Performance	Up to 16 channel synchronous playback
18.	Digital Zoom	Yes
19.	STORAGE	
20.	Internal	SATA HDDx2 (supplied with 10 TB HDD)
21.	NETWORK	
22.	Connection	4 xRJ-45 independent 100Mbps PoE interface
23.	Internet protocol Support	IPv4 and IPv6
24.	Remote Data Export	Clip Copy, AVI, JPG
25.	AUDIO	
26.	Audio Communication	Yes
27.	Audio In/out	Local(NVR):1RCA/1RCA
28.	Audio Compression Support	Yes
29.	PORTS	

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मुख्यमंत्री निःशुल्क जांच योजना

30.	Alarm In	Local(NVR):4TTL
31.	Alarm out	Local(NVR):1Re layout /IP camera
32.	USB	2 Ports (Min.USB 2.0/3.0)
33.	GENERAL	
34.	Certification	FCC,UL/CE,BIS
35.	Chassis	Rack mountable
36.	Warranty & Maintenance Support	5 Years Comprehensive on site OEM Warranty & Maintenance support

Access Switch (16 port)

S. No.	Features	Description
1.	Make	
2.	Model	
3.	Type	Managed Outdoor Industrial grade switch
4.	Total Ports	16 Ethernet 10/100/1000 PoE ports and 2 Fiber port up links (Populated SFPs)
5.	Ring Support	Switch Should support the Ring connectivity in uplink port (IEEE802.17/Equivalent), LLDP/Equivalent, UDLD/Equivalent
6.	PoE Standard	IEEE802.3afoneach 10/100/1000 ports or better
7.	PoE Power per port	Sufficient to operate the CCTV cameras connected
8.	Protocols	- Support 802.1QVLAN - HTTPS/SSH - DHCP support, DHCP Snooping - SNMP Management - IGMP Support - IPv6 protocol support
9.	Multi Cast Support	MLD snooping (v1andv2) and IGMP(v2andv3)
10.	Topology Selection	Bidder has to decide switch model type, be it L2 or L3 as per their design principle. However, bidder has to make sure that spanning tree related loops are prevented at each and every layer.

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11.	Security Features	• Dynamic ARP Inspection • IP Source Guard • ARP Snooping/Spoofing • Access Control List
12.	Remote Management	Shall Support remote management through SNMP traps
13.	Access Control	• Support port security • Support 802.1x (Port based network access control). • Support for MAC filtering.
14.	Industrial Rating	IP30 and NEMATS-2
15.	EN/IEC Standard Ratings	EN/IEC60068-2-27,ESDEN/IEC61000-4- 2,EN/IEC61000-4-3,EN/IEC61000-4-4,EN/IEC61000-4-6,EN/IEC61000-4-8,EN/IEC60068-2-6,RoHSandEMCas FCCPart15, ClassA.
16.	Surge Protection	Yes, EN/IEC61000-4-5
17.	Operating Temperature	-10 to70-degrees Corbetter
18.	Certification to be provided by bidder	UL/CE andNEMATS-2
19.	Cables	All necessary data and power cable sand industrial grade power adapter to be provided
20.	Warranty & Maintenance Support	5Years Comprehensive onsite OEM Warranty & Maintenance support

11. Dressing Drum

1. Seamless dressing drum domed top and down hasps bottom with sliding removable band and drop made from stainless steel of 304 Grade. 2. Size: 9" x 9"

12. Fracture Table (SS-304 Size , 7 feet x 4 feet)

13. Medicine Cabinet

1. Overall approx Size: 76(L) X 46(W) X 81(H) cm. (Tolerance $\pm 5\%$)
2. Frame work of MS tubes of 16G mounted on 10 cm antistatic castors.
3. Two S.S shelves of 20G with three side railing on top shelf of suitable height.
4. Two drawer under the each shelf.
5. Pre-Treated and epoxy powder coated.

14. Mini Laparotomy Set

1. Foerster-ballenger sponge holding forceps 25 cm straight, serrated
2. Robin towel forceps blunt 13 cm
3. Scalpel handle no.3
4. Scalpel handle no.4

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5. Scalpel handle no.7
 6. Mayo nobel operating scissors bl/bl 17 cm straight
 7. Mayo nobel operating scissors bl/bl 17 cm curved
 8. Dolphin nelson scissors bl/bl 18 cm curved
 9. Standard operating scissors sh/bl 14.5 cm straight
 10. Standard dressing forceps 14.5 cm straight
 11. Standard dressing forceps 20 cm straight
 12. Standard tissue forceps 14.5 cm straight, 1x2 teeth
 13. Standard tissue forceps 20 cm straight, 1x2 teeth
 14. Allis tissue seizing forceps 20 cm, 10x11 teeth
 15. Allis tissue seizing forceps 15 cm, 4x5 teeth
 16. Allis tissue seizing forceps 20 cm, 5x6 teeth
 17. Babcock intestinal tissue forceps 16 cm
 18. Halsted-mosquito artery forceps 12.5 cm straight
 19. Halsted-mosquito artery forceps 12.5 cm curved
 20. Lerich artery forceps 16 cm curved
 21. Ochsner hemostatic forceps 16 cm straight
 22. Deaver retractor 30.5 cm / 50 mm
 23. Volkmann retractor 6 prongs 21.5 cm semi sharp
 24. Aldercreutz dissecting forceps 20 cm
 25. Abdominal spatula 33 cm / 40 mm malleable
 26. Balfour abdominal retractor 250 mm
 27. Probe with eye 13 cm / 2 mm
 28. Ligature conductor 19.5 cm / 3 mm
 29. Deschamps needle blunt medium 20 cm left
 30. Deschamps needle blunt medium 20 cm right
 31. Mayo-hegar needle holder 18 cm
 32. Sum suction tube all s.s.
 33. McLachlan scissors bl/bl 20 cm curved
 34. Dwakey forceps 21 cm straight
 35. Mayo-hegar needle holder 20 cm
 36. Frazier suction cannula with 3 hole all s.s.no.3
 37. Intestinal clamp crushing 27.5 cm
 38. Intestinal clamp non crushing 23 cm
 39. Intestinal clamp rectal clamp 38 cm
 40. Desjardin's forceps 23 cm
 41. Russian forceps 20 cm
 42. Right angle artery forceps 20 cm
 43. Vascular clamps 25 cm
 44. Doyen's abdominal retractor (abdomen wall retractor) 3.5"
 45. Kocher artery forceps 20 cm
15. Strelizer Forceps Cheatle's Pattern 10 Inches
16. Vacuum Cleaner (Wet & Dry)
- Max watt 2500-2800W
 - Water lift capacity should be 2200mm WC ± 200 mm WC

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- Air flow should be 120 liters/sec $\pm$ 25 liters/sec
- Effective tank capacity should be 60 liters $\pm$ 5 liters
- It must have inline reusable HEPA Filter for dry operations and normal filter for wet function.
- It should be made of S.S., non corrosive metal body tank with provision of bag.

2.Revised bid item list :-

S.No	Category	Medical Equipment for TSC	Each Unit Price
1	Major Equipments (A)	Automated External Defibrillators (AED)	
2		OT lighting (LED OT Light SINGLE dome)	
3		Radiology High Frequency X-Ray Machine (100mA mobile)	
4		BiPAP Mask Ventilator well Cushioned Face Mask with Ventilator	
5		Bone Cutting Drilling & Reaming System	

S.No	Category	Medical Equipment for TSC	Each Unit Price
1	Computer Items (B)	Uninterruptible Power Supply (UPS) for Desktop Computer	
2		Multi-Functional Printer (MFP) Laser Printer	
3		Desktop Computer	

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4	(A) CCTV Camera Sarveillance System (Sarveillance Camera set (16 Camreras, 1 DVR set/LED TV)	
	(B) CCTV Camera Sarveillance System (Without Camreras, 1 DVR set/LED TV)	
	(C) Price of 1 Bullet Camera	
	(D) Price of 1 Dom Camera	
	(E) Per meter Wire cost for CCTV	

S.No	Category	Medical Equipment for TSC	Each Unit Price
1	General and Furniture Items (C)	Laryngoscope (Adult)	
2		X-Ray View Box (LED X-Ray Film View Box With 1 Film Viewer)	
3		Ambu Bag (Adult, Pediatric) Sillicone Resuscitators	
4		Thomas Splint	
5		Intubation LMA (Laryngeal Mask Airway) Reusable	
6		Gauze Place bin	
7		Kidney tray (8" and 12")	
8		Bed Pan	
9		SS Kick Blow/Bucket	
10		Magles forceps	
11		Containers (Weste Collection Bins) Red-1, Yellow-1, Green-1 & Black-1 (4 Each)	
12		Cervical Collar	
13		Forceps Set and First Aid Surgical Kit/Dressing Kit	
14		A-Type Nitros Oxide Cylinder Alluminium Alloy	
15		Artery forceps eriles Curved on	

Signature valid

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मुख्यमंत्री निःशुल्क जाँच योजना

		flat box Joint 12 Inches	
16		Artery forceps eriles Curved on flat box Joint 15 Inches	
17		Artery forceps eriles Curved on flat box Joint 6 Inches	
18		Artery forceps eriles Curved on flat box Joint 8 Inches	
19		Artery forceps eriles straight box Joint 6 Inches	
20		Bed Side Locker	
21		Dressing Drum	
22		Fracture Table	
23		Medicine Cabinet	
24		Mini Laparotomy Set	
25		Vacuum Cleaner (Wet & Dry)	
26		Strelizer Forceps Cheatle's Pattern 10 Inches	

Note:- The above list shall be uploaded with BOQ, The bid shall be rejected in case of non submission of above list with BOQ.

2. Revised Bid Value ,Average Annual Turnover ,and Bid Security:-

उक्त उपकरणों/आईटम्स की निविदा जारी करने हेतु Bid Value ,Average Annual Turnover एवं Bid Security प्रावधान आदि निम्नानुसार संशोधित किये गये हैं:-

S.N.	Name of article	Bid value	Indicative Quantity (Number)	Required Minimum average annual turnover for last three financial years	Required Minimum average annual turnover for last three financial years for MSMEs of Rajasthan	Bid Security	Bid Security for MSME Units of Rajasthan
1	Major Equipments	7,91,35,000	AS PER ABOVE LIST	4,74,81,000	2,37,40,500	15,82,700	3,95,675
2	Computer Items	2,14,71,000	AS PER ABOVE LIST	1,28,82,000	64,41,000	4,29,420	1,07,355
3	General & Furniture Items	64,65,000	AS PER ABOVE LIST	38,79,000	19,39,500	1,29,300	32,325

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It is also clarified that information of award of contract shall be communicated to all participating bidders on the website <http://rmhc.health.rajasthan.gov.in> and <http://sppp.raj.nic.in> and <http://eproc.rajasthan.gov.in>. Please note that individual bidder will not be intimated."

Note:- Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of (Section-V, Schedule of Supply, and Point no.3) and the bid document. This corrigendum/ addendum should be signed and annexed with bid document. All other terms & conditions remains the same.

This bears the approval of M.D., RMSCL, Jaipur.

Executive Director (EPM)
RMSCL, Jaipur

Signature valid

Digitally signed by Dr. Akash Alha
Designation: Executive Director
Date: 2024.11.21 11:38:10 IST
Reason: Approval

Revised bid item list :-

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25		Vaceum Cleaner (Wet & Dry)	
26		Strelizer Forceps Cheatle's Pattern 10 Inches	