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Quotation Notice No. 24/ 2023-2024 / IGIMS / Store

QUOTATION NOTICE

Supply, Installation & Commissioning of Bio-Medical Equipment's / Instruments

Sealed Tenders in two Bid System (Technical and Price) are invited for manufacturers or their authorized dealer for the rate contract towards supply, installation & commissioning of Bio-Medical Equipments / Instruments for the department of **Critical Care Medicine, Animal House, Dietetics, Gynecological Oncology, Reproductive Medicine, Urology, Paediatric Surgery, State Cancer Institute, Cardiology and Kidney Transplant Unit** to Indira Gandhi Institute of Medical Science, Sheikhpura, Patna (Bihar).

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise. The Director, Indira Gandhi Institute of Medical Sciences, Patna reserves the right to select the item (in single or multiple units) or to reject any quotation wholly or partly without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

Specification & Allied Technical Details

Group – A: Critical Care Medicine

1: Supply, installation & commissioning of Centerlized Medical Gas Pipeline System

Sl. No.	Description	Qty.
1.	The Single arm pendant complete set with the following: The pendant horizontal & drop tube is of mild steel Powder coated Colour (as per customer choice) <ul style="list-style-type: none">The length of horizontal tube is 1000mm / as per requirement long and vertical tube is as per height of ICUPendant carrying capacity of 125 kg equipment load pendant rotates at 330°. Encapsulated central pivot bearing system sealed for life and free Maintenance. Pendants having heavy platform shelf for keeping monitor- 2 nos.Electrical Switch & Sockets 5/15 amp-12 Nos.Provision of Gas Outlet points -5 nos.Double bearing used (not single) for free movement.Rotation will be 330 degree from the both side bottom cabinet side and top side. Infusion pump pole and IV stand combined installed as modular pendants 2 nos.HP tubing 5mtr. Length for each gas.	20Set
2.	Parkodex Gas Outlet Point with Probe for Pendant of: <ul style="list-style-type: none">OxygenMedical AirVacuum	40 nos. 20 nos. 40 nos.
3.	Metal body BPC flow meter with humidifier bottle (0-15 litres) Adult	20 nos.
4.	Ward vacuum unit (600 ml) with vacuum regulator	20 nos.
5.	High pressure tubing antistatic oxygen	15 mtr.
6.	Low Pressure Tubing for Vacuum	60 mtr.
7.	Zonal Valve Box complete set with Isolation ball valve & Gauge (Aluminium frame with MS Box) for 3 Service (15mm x 15mm x 22mm)	02 nos.
8.	Microprocessor based Line Pressure Alarm- Digital type for 3 Gas Service (Oxygen / Air/ Vacuum)	02 nos.
9.	Medical Grade Copper Pipes: <ul style="list-style-type: none">28 mm OD x 0.9 mm Thick22 mm OD X 0.9 mm Thick12 mm OD X 0.7 mm Thick	100 mtr. 225 mtr 50 mtr.
10.	12mm Isolation ball valves with both sides end fittings	106 nos.

Note:

- Warranty Period of 05(Five) Years with all spars and consumables.
- Item may be increase or decrease as per requirement.

Group – B: Animal House

Sl. No.	Instrument Name	Specification	Qty.
1.	Sound Level Measuring Instrument	Measurement Range (dB): 30 to 130dB Frequency Range (Hz): 31.5 Hz - 8000 Hz Measuring Range(dB): 30 to 130dB Operating voltage(Volt): 2.5 Resolution (dB): 0.1 db	04
2.	Lux Meter	Range (Lux): 0-500, digital with an internal memory or data logger to record and save measurements on an external LED light sensor.	04
3.	Small Animal Operation Table	Tabletop: 23X33cm, SS 304 and PP legs Four SS rods, adjustable Folding legs Digital temperature controller	01
4.	Infrared Warming Pad	Reusable, with Integrated Homeothermic Control Dimension: 20.3 cm W x 25.4cm L Includes battery (portable/rechargeable), charger and 10 disposables, non-sterile sleeve protectors	04
5.	Animal Handling Gloves	Polyurethane Coated Gloves Puncture resistance	02
6.	Thermal Cautery Set	An autoclavable handpiece with a six-foot cord Must maintain the desired temperature during tissue contact and does not rapidly diminish. Should include one hand piece and two each disposable thermalite electrodes Dimensions: 3.75" D x 6.5" W x 2.75" H	01
7.	Animal change station / work station/Horizontal laminar flow	<ul style="list-style-type: none"> • Mobile biosafety cage changing station • Double front access • Approximate Size : 1370 L x W 685 x H 1925 mm • Overall construction : SS 304 • Work surface: Perforated SS panel in segmented const. • SA Pre-filter: 610 x 610 x 20 mm - 2 Nos. • SA Hepa-filter: 610 x 610 x 90 mm - 2 Nos. • Ex.A Pre-filter: 560 x 305 x 66 mm - 4 Nos. • Ex.AHepa-filter: 915 x 615 x 90 mm - 1 No. • Necessary electrical controls • Castor wheels, 80 mm diameter - 4 Nos., nylon wheel in SS housing • Should be CE certified/FDA /BIS approved product • Power Input : 220 V, 50 Hz, single Phase AC supply • Vendor should quote for 3 years AMC 	02
8.	Laboratory Microscope	Upright Binocular Microscopes (with inbuilt light source & imported achromatic optics) Binocular microscope with universal infinity corrected optical system Halogen / LED light source illumination. Rigid frame with ergonomics design Binocular observation tube with an inclination of 45/30 degrees Built-in torque adjustable focusing knob Mechanical stage with rigid hand coaxial control Abbe condenser, Iris diaphragm Revolving Quintuple nose piece (for objectives) Plane achromat objectives 4X, 10X, 40X, 100X (Oil) 40X, 100X objective should be spring-loaded Eyepiece 10X (For 22) Antifungal treatment should be applied to the observation tube, eyepiece and objective Accessories, dust cover and power cord Eyepieces with pointers – 10 nos. Power requirement 220 V/50 Hz Should be CE certified/FDA /BIS approved product	01
9.	Laboratory Animal Anesthesia System	Oxygen Flow meter Volume: 0-4 liters per minute @ 55 psi. Oxygen Flush Volume: 15-35 liters per minute @ 55 psi. Gas Supply: Oxygen male DISS connector Gas Pressure Requirements: 50-55 psi Flow meter: Single-turn metering valve Oxygen Flush: Plunger-actuated, spring return valve Adjustable Pressure Limiting (APL) Valve: Three-turn metering valve Dimensions: 22"w x 19"d x 50"h, Base Footprint: 19"w x 18"d Material: Aluminium Frame; steel bolts and screws; injection molded polyurethane absorber head; brass valves and tubing; acrylic canister and flow meter cover; Delrin handle and APL (evacuation) valve. Finish: Heat-treated enamel Dual delivery system Mapleson E non-re breathing circuit 9 mm Mouse nose cone, 12 mm Mouse/Rat nose cone, 14 mm Rat nose cone Induction chamber, airtight, 2-liter Oxygen hose, ten feet with DISS fittings Evacuation tubing, 22 mm, 6 feet Vapor Guard activated charcoal evacuation filter, two Anti-spill adapters, funnel-fill Isoflurane (500 ml) should be supplied with Isoflurane vaporizer New Precision temperature and flow rate compensated funnel fill Should be supplied with Anesthesia Guide, protocols Should be CE certified/FDA/BIS approved product.	01
10.	Steam Sterilizer Autoclave	<ul style="list-style-type: none"> • Rectangular Horizontal Single Door Steam Sterilizer(Autoclave) to autoclave cages, water bottles, animal feed and animal bedding • Inner Chamber dimension should be approximately 600 mm (width) X 600 mm (Height) X 1200 mm (depth) • Chamber, jacket and doors should be made of high quality (316 grade) stainless steel • Steam jacket: MS Boiler/SS 304 >10 mm thickness • Door :Thick Stainless Steel door >15mm thick • Should have safety pressure release valves for chamber and jacket • Resin bounded glass wool/ Rockwool slab insulation • Should be supplied with a steam generator • Should have digital temperature, pressure and time control unit • Piping and other fittings should be constructed of high quality 316 grade SS • Gasket: Silicon joint less • Should have pneumatic valve • Should have GM ejector for fast drying • Sterilization programs for solid material, with adjustable temperature between 121 °C and 125°C • Approximate Dimension :Size 750 [W] x 750 [H] x 1200 [D] • Complete installation on turnkey basis depending on the available space • Regulatory Compliance: Should be CE FDA/BIS/ISO approved product • Should be supplied with all the essential accessories required for its functioning • Vendor 	01

		should quote for 3 years AMC	
11.	Sliding Type Battery/Rack for holding 25 Polycarbonate Rat cages	<ul style="list-style-type: none"> • AISI 304 quality stainless steel square pipe of Size 30mm x 30mm and stainless steel angle. • Movable on 4 No. of Polyurethane swivel castor wheels, 2 with brakes. • The entire Battery/Rack should have stoppers on the backside of the angles to prevent cage falling from the back. • All the joints welded with Argon Arc welding with Gossy / Mat finish. For holding 25 Rat Polycarbonate cages, each cage size:- 421x290x190 mm.(Dimension may varies but Minimum height should be 14cm) 	06
12.	Rat Cage	<p>Polycarbonate rat cage-size: 421x290x190 mm. (Dimension may varies but Minimum height should be 14cm) With Stainless Steel Top Grill with Flap Cover and 300ml water feeding bottle arrangement.</p> <p>Body –</p> <ul style="list-style-type: none"> • Autoclavable at 121 C temperature and pressure 15 LB/ Sq inch. • Unbreakable <p>Top Grill–</p> <ul style="list-style-type: none"> • AISI 304 quality stainless steel material. • Provision for fixing water bottle. • Provision for Feed Pallets. • With two hooks for fixing the grill to the top of the body of cage • Welded on a frame of 4mm SS Rod. • With gap between the wires will be 5-8 mm. <p>Water Bottle–</p> <ul style="list-style-type: none"> • Unbreakable, Autoclavable at 121 C. • Food Grade quality Polycarbonate. • Capacity 300 ml. • With Neoprene Rubber cork. <p>With 304 quality stainless steel Nozzle.</p>	150
13.	Sliding Type Battery/Rack for holding 25 Polycarbonate Mice cages	<ul style="list-style-type: none"> • AISI 304 quality stainless steel square pipe of Size 30mm x 30mm and stainless steel angle. • Movable on 4 No. of Polyurethane swivel castor wheels, 2 with brakes. • The entire Battery/Rack should have stoppers on the backside of the angles to prevent cage falling from the back. • All the joints welded with Argon Arc welding with Gossy / Mat finish. For holding 25 Mice Polycarbonate cages, each cage size:- 290x220x140 mm.(Dimension may varies but Minimum height should be 12cm) 	03
14.	Mice Cage	<p>Polycarbonate mice cage-size: 290x220x140 mm. (Dimension may varies but Minimum height should be 12cm)With Stainless Steel Top Grill with Flap Cover and 250 ml water feeding bottle arrangement.</p> <p>Body –</p> <ul style="list-style-type: none"> • Autoclavable at 121 C temperature and pressure 15 LB/ Sq inch. • Unbreakable <p>Top Grill–</p> <ul style="list-style-type: none"> • AISI 304 quality stainless steel material. • Provision for fixing water bottle. • Provision for Feed Pallets. • With two hooks for fixing the grill to the top of the body of cage • Welded on a frame of 4mm SS Rod. • With gap between the wires will be 5-8 mm. <p>Water Bottle–</p> <ul style="list-style-type: none"> • Unbreakable, Autoclavable at 121 C. • Food Grade quality Polycarbonate. • Capacity 300 ml. <p>With Neoprene Rubber cork. With 304 quality stainless steel Nozzle.</p>	75

Group – C: Dietetics

1: Multifrequency BIA (Bioelectrical Impedance Analyzer) Machine

- Tetrapolar 8-point Tactile Electrode system
- Resistance(R)- 1kHz, 5kHz, 50kHz, 250kHz, 500kHz, 1000kHz
- Laser/Inkjet Printer
- Power consumption 60VA

- Machine weight- 45kg
- Power source-100-240 V, 50/60Hz
- Measurement duration- less than 2 min.
- Age Range-6-99 years
- Weight Range-10-250 kg
- Height Range-110-220 cm

Group – D: Urology

1: Laparoscopic Instruments

Sl. No.	Item Description	Qty.	Specifications
1.	Scissors Insert Curve	10	Scissors Insert for scissors, double action jaws, curved, size 5 mm, length 36 cm, for use with trocars size 6 mm
2.	Metal Tube Insulated (Sheath Outer)	25	Insulated Metal Outer Tube, with Luer-Lock connector, size 5 mm, length 36 cm
3.	Click Line Plastic Handle	10	Plastic Handle, without ratchet, with larger contact area at the finger ring, with connector pin for unipolar coagulation
		10	Plastic Handle, with style ratchet, with larger contact area at the finger ring, with connector pin for unipolar coagulation
4.	5 mm Suction Irrigation Cannula 2 Way with Handle	02	Suction and Irrigation Tube, with lateral holes, anti-reflex surface, with two-way stopcock for single-hand control, size 5 mm, length 36 cm

Group – E: Gynecological Oncology

1: Laparoscopic Morcellator

Technical Specifications for Laparoscopic Morcellator

1. The Drive Generator Unit should have laparoscopic morcellation capabilities
2. The unit should have a motor system which should have a cutting speed of 200 to 1450 RPM for morcellation
3. The unit should have option to increase and decrease speed in steps of 180 RPM and should have 8 speed levels.
4. The unit should have a port for connecting the cutter blade/handpiece for morcellation
5. The unit should have the ability to change the direction of cutter blade/handpiece in clockwise or counter clockwise
6. It should have a foot pedal switch to control initiation of morcellation
7. Power rating: 100-240 VAC, 50-60 Hz
8. The weight of the drive generator unit should not exceed 5 kgs
9. The Cutter blade / Handpiece should be Disposable.
10. The Cutter blade / Handpiece should be supplied with the unit which should be easy to use and should have a comfortable grip
11. The Cutter blade / Handpiece should be supplied with a connector cable to connect with the Drive Generator Unit which should have a length of minimum 2 mts
12. The Cutter blade / Handpiece should have a diameter of 15mm and an operative working length of minimum 15mm
13. The Cutter blade / Handpiece should be capable to work with a revolution speed of 200 to 1450 RPM
14. The Cutter blade / Handpiece should work in clockwise as well as anticlockwise direction
15. The Cutter blade / handpiece should come with a blunt expandable obturator and two sizes of reducer/spacer
16. The weight of the handheld device / handpiece of the morcellator should not exceed 280 grams
17. Morcellation System should be available with tissue containment bag which is available in three sizes.
18. Tissue containment bag should be made of medical grade material and should be tear and cut resistant
19. The bag should be transparent offering superior visibility during in bag morcellation of tissue
20. The bag should have a two-port design and should come in different sizes
21. The complete system along with the tissue containment bags should be CE certified from a Notified European Body

While calculating the total unit price of the item/ system to be procured, expenditure to be incurred in maintenance of the quoted item / system including all spare, accessories & consumables for a total period of seven years after expiry of the warranty period of three years shall also be taken into consideration. Accordingly, it is mandatory for the bidders to submit the rate for Comprehensive Annual Maintenance Contract (all spare, accessories & consumables) for a minimum period of seven years after the expiry of warranty period of three years.

2. Laparoscopy Instrument

Sl. No.	Item Description	Qty.	Specifications
a.	Babcock Forceps	01	Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, double action jaws, consisting of: Plastic-Handle, with style ratchet, with larger contact area Outer Tube, insulated Forceps Insert
b.	Needle Holder	03	Macro Needle Holder, ergonomic axial handle with disengageable ratchet, ratchet release on the right side, left curved jaws, with tungsten carbide insert ø 5 mm, length 33 cm
c.	Suction Irrigation Cannula (5 mm & 10 mm)	02	Suction and Irrigation Tube, with lateral holes, anti-reflex surface, with two-way stopcock for single-hand control, size 5 mm, length 36 cm
		02	Straight Grip Handle, with clamping valve, for suction and irrigation, autoclavable
		02	Tubing Set, for single use, sterile, package of 10, for use with Handles
		02	Suction and Irrigation Cannula with lateral holes, size 10 mm, length 36 cm, for use with suction and irrigation handles
d.	Trocar (Blunt) 10 mm	01	Trocar, size 11 mm, color code: green, consisting of: Trocar only, with blunt tip. Cannula without valve, with insufflation stop- cock, length 10.5 cm Multifunctional valve, size 11 mm
e.	Aspiration Needle	01	Injection Needle, Luer-lock, diameter 1.2 mm, size 5 mm, length 36 cm.
f.	Trocar Washer 5 mm and 10 mm (rubber)	10	Seal bonnet (50/4)
		10	Sealing Cap, for trocars, size 11 mm (60/10)

Group – F Reproductive Medicine

1. Laparoscopy Hand Instrument

Sl. No.	Item Description	Qty.	Specifications
1.	Veress needle - 13 cm	01	Pneumoperitoneum Needle, with spring-loaded blunt inner cannula, Luer-Lock, autoclavable, diameter 2.1 mm, length 13 cm
2.	Veress Needle - 18 cm	01	Pneumoperitoneum Needle, with spring-loaded blunt inner cannula, Luer-Lock, autoclavable, diameter 2.1 mm, length 15 cm
3.	Reducer 11/5 mm	02	Reducer, 11/5 mm
4.	Trocars 6 mm	03	Trocar, size 6 mm, consisting of: Trocar only, with pyramidal tip Cannula without valve, with insufflation stop- cock, length 10.5 cm Multifunctional Valve
5.	Trocars 11 mm to 11.5 mm	02	Trocar, size 11 mm, color code: green, consisting of: Trocar only, with pyramidal tip Cannula without valve, with insufflation stop- cock, length 10.5 cm Multifunctional Valve
6.	Bipolar Forceps	02	Rotating Bipolar Grasping Forceps,, otating, dismantling, with connector pin for bipolar coagulation, single action jaws, wide jaws, for dissection, grasping and bipolar coagulation of large vessels and tissue layers, size 5 mm, length 36 cm consisting of: Plastic Handle, without Ratchet, color code: light blue Outer Sheath Forceps Insert
7.	Bipolar Insert (3 size)	01	Rotating Bipolar Forceps Insert, with especially fine atraumatic serration, fenestrated jaws, double action jaws, size 5 mm, length 36 cm, color code: light blue
		01	Rotating Bipolar Forceps Insert, long, especially suitable for dissection, double action jaws, size 5 mm, length 36 cm, color code: light blue
		01	Rotating Bipolar Forceps Insert, flat jaws, for dissection and grasping, single-action jaws, size 5 mm, length 36 cm color code: light blue
8.	L Hook	01	Coagulating and Dissecting Electrode, L-shaped, with connector pin for unipolar coagulation, size 5 mm, working length 36 cm
9.	Spachula	01	Coagulating and Dissecting Electrode, spatula-sheaped, blunt with connector pin for unipolar coagulation, size 5 mm, working length 36 cm
10.	Suction & Irrigation Cannula	01	Suction and Irrigation Tube, with lateral holes, anti-reflex surface, with two-way stopcock for single-hand control, size 5 mm, length 36 cm
11.	Myoma Fixation Instrument 5 mm	02	Fixation Instrument, with spiral tip, ø 5 mm
12.	Myoma Fixation 10 mm	01	Fixation Instrument, with spiral shaped tip, ø 10 mm
13.	Micro Needle Holder Straight	01	Macro Needle Holder, ergonomic axial handle with disengageable ratchet, ratchet release on the right side, straight jaws, with tungsten carbide insert ø 5 mm, length 33 cm
14.	Micro Needle Holder	01	Macro Needle Holder, ergonomic axial handle with disengageable ratchet, ratchet release

	Left		on the right side, left curved jaws, with tungsten carbide insert ø 5 mm, length 33 cm
15.	High Frequency Needle 5 mm PCOD Needle	01	High Frequency Needle, for splitting and coagulation, insulated with connector pin for unipolar coagulation, size 5 mm, length 31 cm
16.	C Roce-olmi Grasper	01	Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, atraumatic, fenestrated, curved, single action jaws, consisting of: Plastic Handle, with ratchet, with larger contact area Outer Tube, insulated Forceps Insert
17.	Maryland (10)	01	Dissecting and Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, double action jaws, consisting of: Plastic Handle, without ratchet, with larger contact area Outer Tube, insulated Forceps Insert
18.	Babcock Grasping Forceps	01	Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, double action jaws, consisting of: Plastic Handle, without ratchet, with larger contact area Outer Tube, insulated Forceps Insert
19.	Cap wasser 11 mm	50	Sealing Cap, for trocars, size 11 mm (60/10)
20.	Cap wasser 6 mm	50	Seal bonnet (50/4)
21.	Outershih 36 cm	03	Insulated Metal Outer Tube, with Luer-Lock connector, size 5 mm, length 36 cm
22.	Half Round Plate	20	Halfround Plate
23.	Silicon Ring	20	Rubber Ring
24.	Insufflator Tubing Set	01 Pack	Insufflation Tube, sterilizable, inner diameter 9 mm, length 250 cm, for use with Endoflators
25.	Tubing Set Suction Irrigation	02 Box	Tubing Set, for single use, sterile, package of 10, for use with Handles
26.	Tubing Set Endomet	02 Box	Tubing Set, Irrigation, FC, reusable, sterilizable, for use with Endomat
		02 Box	Tubing Set, Irrigation, PC, reusable, sterilizable, for use with Endomat
27.	Unipolar High Frequency	05	Unipolar High Frequency Cord, with 4 mm plug, length 300 cm
28.	Bipolar Cord PCOD Ovarion Drilling Needle	03	Bipolar High Frequency Cord, length 300 cm, for coagulators
29.	Insufflator Tube Reusable	01	Insufflation Tube, sterilizable, inner diameter 9 mm, length 250 cm, for use with Endoflators
30.	10 mm washer	10	
31.	5 mm washer	10	
32.	Hysteroscopy TCRE Loop	05	

Group – G: Paediatric Surgery

1: Laparoscopic Instruments

Sl. No.	Description	Qty.
1	UNIPOLAR HIGH FREQUENCY CORD, WITH 4 MM PLUG, LENGTH 300 CM, TYPE T	2
2	INSUFFLATION TUBE, STERILIZABLE, INNER DIAMETER 9 MM, LENGTH 250 CM, F OR USE WITH ENDOFLATOR® 40 UI400 OR ENDOFLATOR® 50 UI500	2
3	HALFROUND PLATE	20
4	RUBBER RING	20
5	INSULATED METAL OUTER TUBE, WITH LUER-LOCK CONNECTOR, SIZE 5 MM, LENGT H 30 CM	2
6	INSULATED METAL OUTER TUBE, WITH LUER-LOCK CONNECTOR, SIZE 5 MM, LENGT H 36 CM	2
7	CLIP APPLICATOR, DISMANTLING, ROTATING, SIZE 10 MM, LENGTH 36 CM, WITH RATCHET TO LOCK THE JAW HOLDING THE CLIP, CONSISTING OF: 30444 H META HANDLE, WITH RATCHET 30444 A METAL OUTER SHEATH 30440 ET INSERT, FOR SE WITH ETHICON TITANIUM-CLIPS LT-300 (MEDIUM LARGE)	1
8	TROCAR, SIZE 6 MM, COLOR CODE: BLACK, CONSISTING OF: 30160 PTROCAR ON LY, WITH PYRAMIDAL TIP 30160 H2CANNULA, WITHOUT VALVE, WITH INSUFFLAT ON STOPCOCK, LENGTH 10.5 CM 30160 M1 MULTIFUNCTIONAL VALVE 6003100 SEA SET 50/4 26GMANDREL, FOR OPENING AUTOMATIC VALVES	4
9	TROCAR, SIZE 6 MM, COLOR CODE: BLACK, CONSISTING OF: 30160 A TROCAR ON LY, WITH BLUNT TIP 30160 H2 CANNULA WITHOUT VALVE, WITH INSUFFLATION S OP- COCK, LENGTH 10.5 CM 30160 M1 MULTIFUNCTIONAL VALVE, SIZE 6 MM	1
10	SEAL BONNET (50/4)	50
11	SEALING CAP, FOR TROCARS, SIZE 11 MM (60/10)	50

12	VERESS PNEUMOPERITONEUM NEEDLE, WITH SPRING-LOADED BLUNT INNER CANNULA , LUER-LOCK, AUTOCLAVABLE, DIAMETER 2.1 MM, LENGTH 13 CM	1
13	VERESS PNEUMOPERITONEUM NEEDLE, WITH SPRING-LOADED BLUNT INNER CANNULA , LUER-LOCK, AUTOCLAVABLE, DIAMETER 2.1 MM, LENGTH 10 CM	1
14	COAGULATING AND DISSECTING ELECTRODE, L-SHAPED, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, SIZE 5 MM, WORKING LENGTH 36 CM	1
15	COAGULATING AND DISSECTING ELECTRODE, SPATULA-SHEAPED, BLUNT WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, SIZE 5 MM, WORKING LENGTH 36 CM	2
16	CLICKLINE METZENBAUM SCISSORS, ROTATING, DISMANTLING, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, WITH LUER-LOCK CONNECTOR FOR CLEANING, DOUBLE ACTION JAWS, CURVED, LENGTH OF BLADES 15 MM, SIZE 5 MM, LENGTH 30 CM CONSISTING OF: 33121 PLASTIC HANDLE, WITHOUT RATCHET 33200 METAL OUTER SHEATH, INSULATED 34210 MS SCISSORS INSERT FOR USE WITH TROCARS SIZE 6 MM	2
17	CLICKLINE SCISSORS INSERT, FOR METZENBAUM SCISSORS, DOUBLE ACTION JAWS , CURVED, LENGTH OF BLADES 15 MM, SIZE 5 MM, LENGTH 30 CM, FOR USE WITH TROCARS SIZE 6 MM	2
18	CLICKLINE GRASPING FORCEPS, ROTATING, SIZE 5 MM, LENGTH 30 CM, WITH 2 X 4 TEETH, DOUBLE ACTION JAWS, CONSISTING OF: 33152 PLASTIC HANDLE, WITH RATCHET, WITH LARGER CONTACT AREA 33200 OUTER TUBE, INSULATED 33210 FORCEPS INSERT	2
19	CLICKLINE GRASPING FORCEPS, ROTATING, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, SIZE 5 MM, LENGTH 30 CM, ATRAUMATIC, DOUBLE SPOON, WITH MULTIPLE TEETH, DOUBLE ACTION JAWS, CONSISTING OF 33121 PLASTIC HANDLE, WITHOUT RATCHET 33200 OUTER TUBE, INSULATED 33210 D FORCEPS INSERT	1
20	CLICKLINE GRASPING FORCEPS, ROTATING, DISMANTLING, INSULATED, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, WITH LUER-LOCK IRRIGATION CONNECTOR FOR CLEANING, SINGLE ACTION JAWS, WITH ESPECIALLY FINE ATRAUMATIC SERRATION, FENESTRATED, SIZE 5 MM, LENGTH 30 CM CONSISTING OF: 33151 PLASTIC HANDLE, WITHOUT RATCHET, WITH LARGER CONTACT AREA 33200 METAL OUTER SHEATH 33210 ON FORCEPS INSERT	1
21	CLICKLINE FORCEPS INSERT, GRASPING FORCEPS, WITH ESPECIALLY FINE ATRAUMATIC SERRATION, FENESTRATED, SINGLE ACTION JAWS, SIZE 5 MM, LENGTH 30 CM	1
22	CLICKLINE CROCE-OLMI GRASPING FORCEPS, ROTATING, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, SIZE 5 MM, LENGTH 30 CM, ATRAUMATIC, FENESTRATED, CURVED, SINGLE ACTION JAWS, CONSISTING OF: 33151 PLASTIC HANDLE, WITHOUT RATCHET, WITH LARGER CONTACT AREA 33200 OUTER TUBE, INSULATED 33200 CC FORCEPS INSERT	1
23	CLICKLINE FORCEPS INSERT, GRASPING FORCEPS, ATRAUMATIC, FENESTRATED, CURVED, SINGLE ACTION JAWS, SIZE 5 MM, LENGTH 36 CM	1
24	CLICKLINE KELLY DISSECTING AND GRASPING FORCEPS, ROTATING, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, SIZE 5 MM, LENGTH 30 CM, DOUBLE ACTION JAWS, CONSISTING OF: 33151 PLASTIC HANDLE, WITHOUT RATCHET, 33200 OUTER TUBE, INSULATED 33210 MD FORCEPS INSERT	1
25	CLICKLINE FORCEPS INSERT, KELLY DISSECTING AND GRASPING FORCEPS, DOUBLE ACTION JAWS, SIZE 5 MM, LENGTH 30 CM	2
26	CLICKLINE KELLY DISSECTING AND GRASPING FORCEPS, ROTATING, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, SIZE 5 MM, LENGTH 36 CM, DOUBLE ACTION JAWS, CONSISTING OF: 33121 PLASTIC HANDLE, WITHOUT RATCHET 33300 OUTER TUBE, INSULATED 33310 MD FORCEPS INSERT	2
27	CLICKLINE FORCEPS INSERT, KELLY DISSECTING AND GRASPING FORCEPS, DOUBLE ACTION JAWS, SIZE 5 MM, LENGTH 36 CM	2
28	KOH MACRO NEEDLE HOLDER, ERGONOMIC AXIAL HANDLE WITH DISENGAGEABLE RATCHET, RATCHET RELEASE ON THE RIGHT SIDE, STRAIGHT JAWS, WITH TUNGSTEN CARBIDE INSERT Ø 5 MM, LENGTH 33 CM	1
29	KOH MACRO NEEDLE HOLDER, ERGONOMIC AXIAL HANDLE WITH DISENGAGEABLE RATCHET, RATCHET RELEASE ON THE RIGHT SIDE, LEFT CURVED JAWS, WITH TUNGSTEN CARBIDE INSERT Ø 5 MM, LENGTH 33 CM	1
30	CLICKLINE DISSECTING AND GRASPING FORCEPS, ROTATING, SIZE 5 MM, LENGTH 36 CM, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, DUCK-BILL JAWS LENGTH 15 MM, BLUNT, SINGLE ACTION JAWS, CONSISTING OF: 33151 PLASTIC HANDLE, WITHOUT RATCHET, WITH LARGER CONTACT AREA 33300 OUTER TUBE, INSULATED 33310 MR FORCEPS INSERT	1
31	CLICKLINE MICRO DISSECTING SCISSORS, ROTATING, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, SIZE 5 MM, LENGTH 36 CM, SINGLE ACTION JAWS, CONSISTING OF: 33151 PLASTIC HANDLE, WITHOUT RATCHET, WITH LARGER CONTACT AREA 33300 OUTER TUBE, INSULATED 34310 S SCISSORS INSERT	1
32	CLICKLINE CROCE-OLMI GRASPING FORCEPS, ROTATING, DISMANTLING, INSULATED, WITH CONNECTOR PIN FOR UNIPOLAR COAGULATION, WITH LUER-LOCK CONNECTOR FOR CLEANING, SINGLE ACTION JAWS, ATRAUMATIC, FENESTRATED, CURVED, SIZE 5 MM, LENGTH 36 CM CONSISTING OF: 33121 PLASTIC HANDLE, WITHOUT RATCHET 33300 METAL OUTER SHEATH, INSULATED 33310 CC FORCEPS INSERT	1

33	CLICKLINE FORCEPS INSERT, GRASPING FORCEPS, ATRAUMATIC, FENESTRATED, C CURVED, SINGLE ACTION JAWS, SIZE 5 MM, LENGTH 30 CM	1
34	TROCAR, SIZE 11 MM, COLOR CODE: GREEN, CONSISTING OF: 30103 P TROCAR ONLY, WITH PYRAMIDAL TIP 30103 H2 CANNULA WITHOUT VALVE, WITH INSUFFLATION STOP- COCK, LENGTH 10.5 CM 30103 M1 MULTIFUNCTIONAL VALVE	2

2: Transport Incubator

Following are the specifications of the transport incubator:-

- Working temperature range: 30 to 37°C (Patient display mode): 30 to 37°C (Air set mode)
- Accuracy: +/-0.2°C
- Resolution: 0.1°C
- Accuracy of probe Interchangeability: +/- 0.2°C
- Need for probe calibration : Not required
- Temperature Probe: Thermistor based interchangeable probe
- Alarms: High & Low temperature, Power failure, Battery low, Probe failure, Fan failure.
- Voltage: 90 to 240 V at 50/60 Hz
- Power: 500 Watts maximum
- Heating element: Flat heaters
- Temperature display: Bright numerical LED display.
- Messages and alarms: LCD display
- Battery backup time: 2 hours

Performance Specifications:

- Should have Temperature rise time: 45 mins per 10°C
- Should come with collapsible trolley for easy movement of equipment into the ambulance
- Should have inbuilt battery charger and battery should be part of equipment
- Should have provision to attach 2 light weight oxygen cylinder (4.5 litre Aluminum cylinders) with pin index mechanism
- Should have two Elbow operateable ports.
- Should have head access door to pullout the bed to access the head of the baby during transportation.
- Should have front access door
- Should have one iris port and minimum 3 tubing ports
- 3 disposable infant restraint straps
- Should have an Indicator for power ON.
- Should have an Indicator for heater ON.
- Equipment weight should be 36 kg (without cylinders)
- Maximum Size (L x W x H) cm should be with pole of 104x61x70 cm & without pole - 104x61x50 cm
- Should have four wheels, at least 2 with brakes.
- Should have IV stand.
- Should have goose neck examination lamp for flexible examination.
- Coating: Epoxy/Powder coated body for scratch and rust prevention .
- Should be supplied from a manufacturing company having ISO 9001:2008 and ISO 13485.
- Should have optional Electrical suction .
- Should have optional Resuscitation unit.
- **While calculating the total unit price of the item/ system to be procured, expenditure to be incurred in maintenance of the quoted item / system including all spare, accessories & consumables for a total period of seven years after expiry of the warranty period of three years shall also be taken into consideration. Accordingly, it is mandatory for the bidders to submit the rate for Comprehensive Annual Maintenance Contract (all spare, accessories & consumables) for a minimum period of seven years after the expiry of warranty period of three years.**

Group – H: State Cancer Institute

Accessories

Sl. No.	Item Description	Qty.	Specifications
1.	Washer 5 mm (Sealing Set 50/4)	50	Seal bonnet (50/4)
2.	Washer 5 mm (Sealing Set 60/10)	50	Sealing Cap, for trocars, size 11 mm (60/10)
3.	Trocar 6 mm	10	Trocar, size 6 mm, consisting of: Trocar only, with pyramidal tip Cannula without valve, with insufflation stop- cock, length 10.5 cm Multifunctional Valve

4.	ROBI Forceps Insert	02	Forceps Insert, wide jaws, single action jaws, size 5 mm, length 36 cm
5.	Click Line Forceps (Maryland)	02	Dissecting and Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, double action jaws, consisting of: Plastic Handle, without ratchet, with larger contact area Outer Tube, insulated Forceps Insert
6.	Clip Applicator	02	Clip Applicator, dismantling, rotating, size 10 mm, length 36 cm, with ratchet to lock the jaw holding the clip, consisting of: Metal Handle, with ratchet Metal Outer Sheath Insert, for use with Ethicon Titanium-Clips (medium large)
7.	Click Line Plastic Handle	02	Plastic Handle, without ratchet, with larger contact area at the finger ring, with connector pin for unipolar coagulation
			Plastic Handle, with style ratchet, with larger contact area at the finger ring, with connector pin for unipolar coagulation
8.	Metal Outer Sheath	04	Insulated Metal Outer Tube, with Luer-Lock connector, size 5 mm, length 36 cm

Group – I: Cardiology

I: Automatic External Defibrillator

Sl. No.	Technical Specification
1	Should be a light weight, portable low energy biphasic automatic external defibrillator for immediate use to a victim of sudden cardiac arrest.
2	Should be capable to shock both adults and paediatrics (children under 8 years) with the same pads or different pads.
3	Infant / Child key for use on infant child patient.
4	Should do a daily automatic self test that checks readiness for use.
5	Should confirm readiness of use through status indicator.
6	Should have CPR Coaching facility to train user on how to do CPR by advising the user on compression and breathing.
7	Should have a Maximum fixed low energy output of less than 200 joules and should typically shock within 10 seconds after the end of CPR Interval.
8	Should deliver shock through pads.
9	Should have the following indicators - beeper, audio speaker, status indicator, shock button, connector socket LED.
10	Should have a lithium manganese, disposable, long life battery that should typically last for more than 4 years when installed by the installation date.
11	The Battery should be capable of shocking 200 shocks or 4 hours of operating time.
12	Should have capability to record the patient data on to a PDA thru iRDA wireless protocol.
13	Should have a status indicator blinking light to indicate readiness of use.
14	The patient data should be managed in a PC running data management software.
15	Main Unit Must have an inbuilt training mode with different scenarios, by which the Main unit can be used as a Trainer with the help of a training pad, to train paramedics and other staff in the usage of the system under various scenarios - OR - A stand alone Trainer should be provided with each AED
16	The AED should be fit for Aviation use with necessary certification to support under RTCA - 160D.
17	The defibrillation therapy should fall under class II(a) classification as specified by the American Heart Association for safety of use.
18	Bidder must furnish a currently valid US FDA 510K certificate.
19	Defibrillation pads 10 Nos for use in adult and 10 Nos for pediatric use.
20	Environmental
	water proof (IEC60529)
	dust proof (IEC60529)
	Altitude - 0 to 15000 feet
	Aircraft - RTCA/DO -160D
	Drop - 1 meter
	Vibration - MIL-STD-810F
	EMI - Radition - CISPR11 - IEC60601 Class B Group 1
	EMI - Immunity - IEC61000-4-8
	While calculating the total unit price of the item/ system to be procured, expenditure to be incurred in maintenance of the quoted item / system including all spare, accessories & consumables for a total period of seven years after expiry of the warranty period of three years shall also be taken into consideration. Accordingly, it is mandatory for the bidders to submit the rate for Comprehensive Annual Maintenance Contract (all spare, accessories & consumables) for a minimum period of seven years after the expiry of warranty period of three years.

Group – J: Kidney Transplant Unit

1: Portable X-Ray Machine

1. General: Fully integrated & light weight High Frequency Mobile X Ray unit suitable for bedside x-rays, trauma, Intensive care units, Operation theatre and Radiology department.
2. The unit should be fully counterbalanced. It can be positioned to suit different bed heights. The unit should have facility of vertical swing and horizontal rotation of the tube head to ensure X-Ray of any anatomy even within limited space.
3. The entire system including the compact Tube head (consisting of X-Ray generator & X-Ray tube), Control panel should be in a single unit mounted on wheels
4. The unit must have an effective braking system for parking and transport.
5. The exposure release switch should be detachable with a cord of sufficient length (at least 3 m)
6. The unit should have integrated cassette box of size 542 mm (W) x 420 mm (H).
7. The weight of complete Mobile Digital X-Ray unit must be less than 110 kg
8. The X-Ray Generator:
 - a. Microprocessor controlled inverter type high frequency 140 KHz or more for constant output.
 - b. It should have power rating of 4 kW or more
 - c. It should have a digital display of mAs and kV, both on the Tube head as well as on the main console.
 - d. KV range: 40 kv to 100kV or more
 - e. mA range: 10 mA to 100 mA or more
 - f. mAs selection: 0.1 to 250 mAs or more.
 - g. It should have APR feature of 200 programs.
9. X-Ray Tube and Collimator:
 - a. Stationary/Rotating anode having focal spot size 1.8 mm or less.
 - b. The X-Ray tube should be Toshiba or BEL or CEI make. (Chinese make tube is not acceptable)
 - c. LED Light Beam diaphragm / Double layer Collimator with auto cut off switch. The light intensity must be at least 160 lux at 1 mtr distance from focal spot.
 - d. Collimator rotation - 90° to +90° must be possible
10. The complete unit should operate on single phase power supply and should have plug in facility to any standard wall outlet with automatic adaptation to line voltage 210 to 250 volts, 15 Amp plug.
11. The Leakage radiation level at 1 meter from the focus should be less than 50 mR. Products having minimal leakage radiation level will be preferred. (Please attach relevant test report)
12. Should have IEC and BIS approved product. BIS certificate should be submitted.
13. The system should have AERB type approval.
14. Manufacturer should have ISO-13485 certification for quality standards.
15. User/Technical/Maintenance manuals to be supplied in English.
16. Comprehensive training for lab staff and support services till familiarity with the system.
17. Three years warranty and 7 years CAMC.
18. Accessories to be supplied: 2 Nos. of Lead Aprons and 2 Nos. of Thyroid Guards
19. **While calculating the total unit price of the item/ system to be procured, expenditure to be incurred in maintenance of the quoted item / system including all spare, accessories & consumables for a total period of seven years after expiry of the warranty period of three years shall also be taken into consideration. Accordingly, it is mandatory for the bidders to submit the rate for Comprehensive Annual Maintenance Contract (all spare, accessories & consumables) for a minimum period of seven years after the expiry of warranty period of three years.**

Interested bidders are requested to quote their most competitive prices and submit sealed quotation bearing this tender reference and submit on **08/ 04/ 2024** or before **4:00 PM.** at the office of “The Director, Indira Gandhi Institute of Medical Sciences, Sheikhpura, Patna – 800014 (Bihar). Any bids received after **4:00 P.M.** on **08 / 04/ 2024** shall not be considered.

The Technical Bids will be opened on **10/ 04/ 2024** at **3:00 PM.** at Conference Hall, Administrative Block of the Institute. The bidders or their authorized representatives may also be present during the opening of the Technical Bid, if they desire so, at their own expenses. The date & time for opening of Financial Bids will be informed later on to the technically qualified bidders.

The quotation should be accompanied by attested copies of the following: MARKED AS COVER A: TECHNICAL BID

- (i) **Average Annual Turnover:** of the bidder in the last three financial years 2019-2020, 2020-2021 & 2021 -2022 shall not be less than Rs 50 Lakhs. Annual turnover statement from sales of items for the last three financial years 2019-2020, 2020-2021 & 2021 -2022 certified by the Auditor/Chartered Accountant should be submitted.

- (ii) **Attested/ notarized copy of valid GMP, ISO 13485 & ISO 9001:2008 or 9001:2015 and IS No-13422-92** certificate of the manufacture must be submitted with the tender.
- (iii) **EXECUTION OF SIMILAR CONTRACTS** : Details of supplies (Quoted items) made during the past 3 financial years 2019-2020, 2020-2021 & 2021 -2022 with summary of Purchase orders (minimum 3) for the quoted items to Govt. Institutions/ Govt. PSUs or to programs sponsored by WHO, UNICEF, UNOPS, RITES etc must be submitted by the Bidder.
- (iv) **GST REGISTRATION NUMBER**: Attested/notarized photocopy of GST Registration number must be submitted with the Bid document.
- (v) **Permanent Account Number**: Attested/notarized photocopy of PAN Card of the Bidder issued by Income Tax Department need to be submitted.
- (vi) **NON-CONVICTION CERTIFICATE & BLCKLISTING** : Attested/notarized copy of Non-conviction Certificate issued by the Competent Authority of the concerned state certifying that the firm has not been convicted in the last three years i. e 2019-2020, 2020-2021 & 2021 -2022.
(Bids for any items for which the Bidder has been blacklisted or debarred by any State/UT Government /Central Government will not be considered.)
- (vii) **ROAD PERMITS/WAY BILLS**: Tender Inviting Authority will not take any responsibility for supplying Road Permits/Way bills. It will be the responsibility of supplier to arrange for Road Permits for dispatch of consignments to Assam.
- (viii) **FIRM DELIVERY SCHEDULE & SUPPLY CONDITIONS & PENALTIES**: Supply shall commence within 7 days from the date of order and supply of ordered quantity shall be completed within 30 days from the date of issuing the order.
In case if MRP is encrypted on the body of the items to be supplied, the successful bidder should ensure omission/strikeout of the same prior to commencement of supply.
In case there is delay in delivery beyond the stipulated period as mentioned in the purchase order, there shall be penal deduction @ 1 % of the value of delayed goods per day of delay or part thereof subject to a maximum of 10 % of the total order value.
Once the maximum price reduction is reached, termination of the contract may be considered. Non- performance of the contract provisions shall make the successful bidder liable to be disqualified to participate in any tender for the next 3 years, in addition to forfeiture of Security Deposit.
- (ix) **Tender Cost**: A Demand draft of **Rs. 2500/- (Rupees: Twenty Five Thousand only)** towards non-refundable tender fee, drawn in favor of “The Director, IGIMS, Patna” payable at Patna (Bihar) should accompany the Technical bid documents. In the absence of tender cost, the tender will not be accepted.
- (x) **Earnest Money Deposit (EMD)**: A refundable amount of **Rs. 50,000/- (Rs. Fifty thousand Only)** as earnest money deposit (EMD) in the shape of DD from a scheduled bank in India (valid for a minimum period of 3 months from the date of submission of tender) should accompany the bid documents. The DD drawn in favor of “The Director, IGIMS, Patna” payable at Patna (Bihar) should accompany the bid documents. The EMD should be kept in a separate sealed envelope, should be marked clearly and put in the outer envelope that contains the technical and financial bid envelopes. Failure to deposit Earnest Money will lead to rejection of tender. In the event of the awardees bidder backing out, EMD of that bidder will be forfeited.
- (xi) **PAYMENT PROVISIONS**: Payment will be made within 30 days from receipt and acceptance of materials at destination against submission of bill & receipted challan (in triplicate) with stock entry details.
- (xii) **The period of rate Contract is valid for one year extendable up to another year.**

The quotation should be accompanied by signed & sealed copy of Price Bid: MARKED AS COVER B: Price BID:

The two separately sealed covers {**Technical bid (Cover “A”) and Price Bid (Cover “B”)**} shall be placed together inside another cover which shall be sealed and super scribed as “ TENDER for procurement of Instruments & Equipments for the department of **Critical Care Medicine, Animal House, Dietetics, Gynecological Oncology, Reproductive Medicine, Urology, Paediatric Surgery, State Cancer Institute, Cardiology and Kidney Transplant Unit**” and addressed to “The Director, Indira Gandhi Institute of Medical Sciences, Sheikhpura, Patna – 800014 (Bihar)” will be received up to **08/ 04/ 2024** on or before **4.00 P.M.** to The Director, Indira Gandhi Institute of Medical Sciences, Sheikhpura, Patna – 800014 (Bihar).

Format for Financial Bid

(To be submitted on the letterhead of the company / firm)

Sl. No.	Description of Items	Brand/ Make	Qty.	Unit Rate	Taxes (GST)	Unit Rate with taxes
A	B	C	D	E	F	(E+F)

- The Institute reserves the right to accept in part or in full or reject any or more Tender/offer without assigning any reasons or cancel the tendering process and reject all Tender at any time prior to award of contract, without accepting any liability, whatsoever.
- L1 shall be decided on lowest total amount including taxes.
- All disputes shall be subject to Patna (Bihar) Jurisdiction only.

**Sd/-
Director,
I.G.I.M.S. – Patna**