DIGITAL X RAY

S.N.	Component Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST	Total Price
1	HF X-Ray Generator	Rating: 30-32 kW, >=40 kHz, max output >=300 mA, 40-125 kVp, 1-300 mAs. Controls: 3-point technique (kVp, mA, s), AEC compatibility, >=200 APR programs. Protections: Automatic self-diagnostic routines, tube overload & line voltage spike protection.	1 Set				
2	X-Ray Tube Unit & LED Collimator	X-Ray Tube: Dual focus (Small <=0.6 mm / Large <=1.2 mm), high-speed rotating anode (>=3,000 to 9,000 RPM). Capacity: Heat storage >=140 kHU; reputed OEM/international make with heavy-duty HV cables. Collimator: Manual/auto-rotation, high-luminosity LED field with auto cut-off timer & scale.	1 Set				
3	Positioning Stand & Radiographic Table	Tube Stand: Floor-to-ceiling or ceiling suspended, counterbalanced, full 3D travel, EM brakes, SID scale. Patient Table: 4-way floating tabletop, >=250 kg weight rating, mechanical/electromagnetic locks. Bucky Integration: Integrated moving grid bucky compatible with 43x43 cm flat panel detector.	1 Set				

DIGITAL X RAY

S.N.	Component Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST	Total Price
4	Vertical Chest Stand (Bucky Unit)	Movement: Smooth counterbalanced vertical travel with robust electromagnetic/mechanical locks. Detector Housing: Accommodates 43x43 cm FPD with scatter grid; auto-tracking with tube preferred.	1 Set				
5	DR Detector 1: Table Bucky (Wireless)	Panel: 43x43 cm (17x17 in), CsI:Tl direct deposit scintillator, AED triggering. Durability & Power: High IP liquid ingress rating, drop/shock resistant, >=2 hot-swap batteries + charger.	1 No.				
6	DR Detector 2: Vertical Chest Bucky	Panel: 43x43 cm (17x17 in), CsI scintillator, high DQE @ 0 lp/mm, pixel pitch <=140 um. Performance: Synchronized with chest bucky, high spatial resolution for chest/spine radiography.	1 No.				
7	Workstation Console, PACS & Online UPS	Console: Medical-grade PC (>=16 GB RAM, SSD primary storage) + >=24-inch high-resolution display. Software: Multiscale processing, pediatric low-dose modes, Exposure Index (EI), repeat/reject analysis. DICOM: Full DICOM 3.0 (MWL, Print, Store, MPPS, HIS/RIS/PACS sync) + Dedicated true online UPS.	1 Set				

DIGITAL X RAY

S.N.	Component Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST	Total Price
8	Installation, Turnkey AERB QA & Licensing	Regulatory: Mandatory AERB Type Approval; full vendor assistance for e-LORA site registration. Services: Turnkey delivery, physicist acceptance QA survey, calibration, and technician application training.	1 Job				
OPT	CMC (Years 3 to 5)	Post-warranty Comprehensive Maintenance Contract covering all parts (including Tube & Detectors).	3 Yrs				
OPT	AMC (Years 3 to 5)	Post-warranty Annual Maintenance Contract covering preventive maintenance & labor (parts excluded).	3 Yrs				

CSSD

S.N.	Category / Department	Item Description & Specifications	Brand / Model	Qty	Estimated Unit Rate (INR)	GST	TOTAL PRICE
1	Core Sterilization	HPHV Horizontal Steam Sterilizer (Rectangular, 150L - 200L, Double Door OR Singlr Door, PLC/HMI, Built-in Steam Generator)		1			
2	Core Sterilization	Ethylene Oxide (EtO) Gas Sterilizer (Compact 50L - 80L Tabletop/Floor Model with PLC & Printer)		1			
3	Cleaning & Washing	Heavy Duty Ultrasonic Cleaner (30 Litre Tank capacity, digital timer, heater, sweep frequency)		1			
4	Packaging & Sealing	Continuous Rotary Heat Sealing Machine with digital temperature controller & printer		1			
5	SS Furniture	SS-304 Packing & Inspection Table with overhead light/shelf (Size: 1800x800 mm)		2			
6	SS Furniture	SS-304 Heavy Duty Storage Racks (6 shelves, adjustable bullet feet)		4			
7	SS Furniture & Transport	SS-304 Closed Transport Trolley (between CSSD and OT, locking doors, 4 wheels)		2			
8	SS Furniture & Transport	SS-304 Loading Carriage and Transfer Trolley (matching autoclave)		1			

CSSD

S.N.	Category / Department	Item Description & Specifications	Brand / Model	Qty	Estimated Unit Rate (INR)	GST	TOTAL PRICE
9	CSSD Civil & Partition	Clean Room Partition Work (Modular SS/Aluminum framed glass partitions & cleanroom doors)		1			
10	CSSD Storage	SS-304 Wall-mounted Cupboards & Instrument Cabinets		2			
11	Utilities & Plumbing	Dedicated RO(available in hospital) / Water Softener Plant for Autoclave feed + SS Pipeline distribution & traps		1			
12	Utilities & Electrical	Electrical Panel, MCB/ELCB distribution, heavy-duty power points & ceiling cabling for CSSD		1			
13	Exhaust & HVAC	Dedicated Exhaust System & ETO Gas Venting Ductwork with blower		1			
14	Consumables & Testing	Initial Starter Kit: Bowie-Dick test packs, Chemical indicators (Class 5/6), Biologics, ETO cartridges		1			
		TOTAL ESTIMATED STANDARD TURNKEY CSSD PACKAGE					
15	POST WARRANTY AMC						
16	POST WARRANTY CMC						

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Manual Hydraulic C-Arm Compatible OT Table (SS 304) with Itemized Accessories

S.N.	Component / Accessory Block	Technical Specifications & Detailed Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Main Chassis & Column (Grade SS 304)**	• Construction: Heavy-duty Grade AISI 304 Stainless Steel base and telescopic cover. • Column Design: Offset / eccentric pillar delivering 100% unobstructed full-length C-arm access. • Mobility: Anti-static smooth castors with foot-operated central floor braking mechanism.	1 Set				
2	**Tabletop & Slide (250–300 kg Load)**	• Tabletop: 5-section fully radiolucent top (carbon fiber / phenolic resin) for C-arm imaging. • Longitudinal Slide: Smooth manual/geared slide (≥250–300 mm travel) for head-to-toe imaging. • Patient Capacity: Certified safe working load rating of 250–300 kg in all positions.	1 Set				
3	**Articulations & Drive Mechanism**	• Elevation: Heavy-duty foot-operated oil-immersed hydraulic pump (approx. 750 mm to 1000 mm). • Gear Controls: Smooth side gear handle/crank controls for: - Trendelenburg (≥25°) & Reverse Trendelenburg (≥25°) - Lateral Tilt Left/Right (≥20° / ≥20°) - Back Section Upward (≥70°) & Downward (≥20°) • Locking: Geared self-locking mechanism to prevent accidental drift under load.	1 Unit				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Manual Hydraulic C-Arm Compatible OT Table (SS 304) with Itemized Accessories

S.N.	Component / Accessory Block	Technical Specifications & Detailed Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
4	**Modular Top Sections (Head, Back & Legs)**	• Head Section: Quick-release detachable, tiltable (+30° to -45°), interchangeable with leg section. • Back Section: Integrated mechanical kidney elevator / bridge (built-in lift up to 120 mm). • Leg Section: Split dual-leg plates, detachable, independently swinging 90° outward and 90° downward.	1 Set				
5.1	**Arm Boards with Clamps**	Pair of padded arm boards with 360° rotating clamps and anti-microbial restraint straps.	1 Pair				
5.2	**Shoulder Supports**	Pair of cushioned shoulder supports with universal clamps for steep Trendelenburg stabilization.	1 Pair				
5.3	**Lateral Body Supports**	Pair of adjustable padded lateral supports with fixing clamps for lateral decubitus stability.	1 Pair				
5.4	**Lithotomy Knee Crutches**	Pair of padded, height- and angle-adjustable gynae/lithotomy knee crutches / Geopel stirrups with straps.	1 Pair				
5.5	**Anaesthesia Screen**	Stainless steel L-shaped anaesthetic screen frame with heavy-duty rail clamp.	1 Set				
5.6	**Full-Length Mattress**	Seamless, anti-static, flame-retardant high-density memory foam (≥50 mm) mattress, waterproof & radiolucent.	1 Set				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Manual Hydraulic C-Arm Compatible OT Table (SS 304) with Itemized Accessories

S.N.	Component / Accessory Block	Technical Specifications & Detailed Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
6	**Installation, Training & 2-Year Warranty**	• Turnkey delivery (F.O.R.), on-site assembly, load testing, and OT staff demonstration. • Minimum 2-year comprehensive warranty covering all mechanical/hydraulic/electrical parts. • Guaranteed 24–48 hr service response time with local spare availability.	1 Job				
	TOTAL BASE SYSTEM PRICE	**Complete package including OT Table, all standard accessories (5.1–5.6), mattress, delivery, and 2-Year Warranty.**	**Total**				
OPT	**Ortho Traction Frame**	**Grade SS 304 Orthopaedic traction attachment complete with pelvic rest, traction boots, and perineal post.**	**1 Set**				
OPT	**Gynae Fluid Tray**	**Stainless steel fluid collection basin with drainage pipe and clamp attachment.**	**1 Set**				
OPT	**CMC (Years 3 to 5)**	**Post-warranty Comprehensive Maintenance Contract covering all mechanical, hydraulic, and electrical parts.**	**3 Yrs**				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Electro-Hydraulic / Motorized C-Arm Compatible OT Table (SS 304) with Itemized Accessories

S.N.	Component / Accessory Block	Technical Specifications & Detailed Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Main Chassis & Column (Grade SS 304)**	• Construction: Heavy-duty Grade AISI 304 Stainless Steel base and telescopic cover. • Column Design: Offset / eccentric pillar delivering 100% unobstructed full-length C-arm access. • Mobility: Anti-static smooth castors with foot-operated central floor braking mechanism.	1 Set				
2	**Tabletop & Slide (250–300 kg Load)**	• Tabletop: 5-section fully radiolucent top (carbon fiber / phenolic resin) for C-arm imaging. • Longitudinal Slide: Smooth manual/geared slide (≥250–300 mm travel) for head-to-toe imaging. • Patient Capacity: Certified safe working load rating of 250–300 kg in all positions.	1 Set				
3	**Articulations & Drive Mechanism**	• Drive Mechanism: Medical-grade electro-hydraulic pump system / linear actuators with soft-start & soft-stop. • Control Pendant: Corded backlit hand remote with pictorial position icons and safety lock. • Movements: Motorized height (approx. 700 mm to 1020 mm), Trendelenburg (≥25°), Reverse Trendelenburg (≥25°), Lateral Tilt (≥20°), Backrest Up/Down (≥70° / -20°), and Level Zero button. • Safety Override: Auxiliary manual override controls on column + Built-in rechargeable battery backup (≥50-80 cycles).	1 Unit				
4	**Modular Top Sections (Head, Back & Legs)**	• Head Section: Quick-release detachable, tiltable (+30° to -45°), interchangeable with leg section. • Back Section: Integrated mechanical kidney elevator / bridge (built-in lift up to 120 mm). • Leg Section: Split dual-leg plates, detachable, independently swinging 90° outward and 90° downward.	1 Set				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Electro-Hydraulic / Motorized C-Arm Compatible OT Table (SS 304) with Itemized Accessories

S.N.	Component / Accessory Block	Technical Specifications & Detailed Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
5.1	**Arm Boards with Clamps**	Pair of padded arm boards with 360° rotating clamps and anti-microbial restraint straps.	1 Pair				
5.2	**Shoulder Supports**	Pair of cushioned shoulder supports with universal clamps for steep Trendelenburg stabilization.	1 Pair				
5.3	**Lateral Body Supports**	Pair of adjustable padded lateral supports with fixing clamps for lateral decubitus stability.	1 Pair				
5.4	**Lithotomy Knee Crutches**	Pair of padded, height- and angle-adjustable gynae/lithotomy knee crutches / Geopel stirrups with straps.	1 Pair				
5.5	**Anaesthesia Screen**	Stainless steel L-shaped anaesthetic screen frame with heavy-duty rail clamp.	1 Set				
5.6	**Full-Length Mattress**	Seamless, anti-static, flame-retardant high-density memory foam (≥50 mm) mattress, waterproof & radiolucent.	1 Set				
6	**Installation, Training & 2-Year Warranty**	• Turnkey delivery (F.O.R.), on-site assembly, load testing, and OT staff demonstration. • Minimum 2-year comprehensive warranty covering all mechanical/hydraulic/electrical parts. • Guaranteed 24–48 hr service response time with local spare availability.	1 Job				
	TOTAL BASE SYSTEM PRICE	**Complete package including OT Table, all standard accessories (5.1–5.6), mattress, delivery, and 2-Year Warranty.**	**Total**				
OPT	**Ortho Traction Frame**	**Grade SS 304 Orthopaedic traction attachment complete with pelvic rest, traction boots, and perineal post.**	**1 Set**				
OPT	**Gynae Fluid Tray**	**Stainless steel fluid collection basin with drainage pipe and clamp attachment.**	**1 Set**				
OPT	**CMC (Years 3 to 5)**	**Post-warranty Comprehensive Maintenance Contract covering all mechanical, hydraulic, and electrical parts.**	**3 Yrs**				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)
Equipment: Turnkey 4K UHD Laparoscopy Tower System with Complete Telescopes, Access, Surgical Instruments, Advanced Energy & Ancillary Equipment
Techno-Commercial Tender Schedule

S.N.	Module / Component Block	Technical Specifications & Scope of Supply	Qty	Total Price Including GST
A.1	**4K 3-Chip CMOS Camera & Processor**	Native 4K UHD (3840 \times 2160) 3-chip CMOS sensor, BT.2020 wide color gamut; camera head with optical zoom & programmable buttons; 12G-SDI & HDMI 2.0 digital video outputs.	1 Set	
A.2	**4K Medical Monitor & LED Light Source**	31–32" 4K UHD anti-glare medical-grade display (16:9, DICOM preset); cold LED light source (\ge300W equivalent, 50,000 hrs life) with **two \ge4.5 mm fiber-optic light cables**.	1 Set	
A.3	**Heated High-Flow Insufflator**	High-flow \ge40–45 L/min CO_2 insufflator with built-in gas heating element, real-time pressure sensing, and primary cylinder connection hose.	1 Unit	
A.4	**Digital 4K Video Recorder**	Medical 4K video/still capture unit with 2–3 TB internal hard drive, USB/DICOM export, and foot controls for recording/snapshots.	1 Unit	
A.5	**Medical Trolley & Online UPS**	Heavy-duty ergonomic powder-coated cart with adjustable shelves, drawer, cable conduits, and cylinder carrier; dedicated 2–3 kVA online UPS with 15–30 min battery backup.	1 Set	
B	**4K Rigid Telescopes (Full Set)**	• 10 mm 0° 4K Autoclavable Telescope (1 No.) • 10 mm 30° 4K Autoclavable Telescope (2 Nos.) • 5 mm 30° Autoclavable Telescope (1 No.) *(All with scratch-resistant sapphire tip lenses)*	4 Nos.	
C	**Access & Trocar Set**	2 Veress needles, 4 \times 5 mm trocars with safety valves, 2 \times 10/11 mm trocars, 2 \times 12 mm trocars, 1 Hasson open trocar, 2 port reducers (10-to-5 mm), 1 fascial closure device.	1 Set	
D	**General Surgery Lap Instruments (2 Full Sets)**	Two complete sets: Maryland dissectors (2), curved scissors (2), fenestrated graspers (4), bowel graspers (2), Babcock (2), right-angle dissectors (2), hook electrodes (2), bipolar forceps (2), needle holders (2), clip appliers (2), 5 mm suction-irrigation cannula (2), knot pushers (2), specimen retrieval systems (2).	2 Sets	

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)
Equipment: Turnkey 4K UHD Laparoscopy Tower System with Complete Telescopes, Access, Surgical Instruments, Advanced Energy & Ancillary Equipment
Techno-Commercial Tender Schedule

S.N.	Module / Component Block	Technical Specifications & Scope of Supply	Qty	Total Price Including GST
E	**Gynaecological Lap Instruments (2 Full Sets)**	Two complete sets: Clermont-Ferrand / Spackman uterine manipulators with cups (2), myoma screws (2), claw/ovarian graspers (4), atraumatic forceps (4), bipolar instruments (2), endoscopic scissors (2), needle holders (2), suction-irrigation tubes (2), reusable retrieval pouches (2).	2 Sets	
F	**Advanced ESU & Vessel-Sealing System**	300–400W electrosurgical generator (monopolar/bipolar) + feedback-controlled advanced vessel-sealing system (seals up to 7 mm vessels with thermal margin \le2 mm) complete with reusable laparoscopic sealer-divider instruments and foot switches.	1 Set	
G	**Smoke Evacuator & Sterilization Storage**	Surgical smoke evacuator with ULPA filter, 4 telescope protective sterilization containers, 4 perforated SS instrument wash trays with silicone mats, and SS endoscope storage cabinet with HEPA/UV airflow.	1 Set	
H	**Installation, Testing & 2-Year Warranty**	Turnkey delivery (F.O.R.), optical alignment, electrical safety testing, surgeon/staff clinical training, and minimum 2-year comprehensive on-site warranty (\le24–48 hr service SLA).	1 Job	
	TOTAL COMPLETE LAPAROSCOPY PACKAGE PRICE	**Turnkey contract covering Modules A through H complete with all optics, access, instruments, energy, and warranty.**	**Total**	
OPT	**Post-Warranty CMC (Years 3 to 5)**	Comprehensive Maintenance Contract covering 4K CCU, camera head, LED engine, insufflator, ESU, and telescopes.	3 Yrs	
OPT	**Post-Warranty AMC (Years 3 to 5)**	Annual Maintenance Contract covering preventive maintenance, optical calibration, gas flow verification,and labour	3 Yrs	

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Ceiling-Mounted Dual-Arm Dual-Dome Surgical LED OT Light with Separate Accessory Breakup

S.N.	Component / Accessory Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Dual Dome Optical Head Units (Major & Satellite Heads)**	• Optical Performance: Central illuminance Ec ≥130,000–160,000 Lux @ 1 m on BOTH heads (or 160k major + 140k satellite). • Color Quality: CRI (Ra) ≥95, R9 ≥90; adjustable/selectable color temperature 3,800K–5,500K (or fixed 4,000K–5,000K). • Field & Depth: Spot field diameter (d10): 150–300 mm (adjustable); Depth of illumination (L1+L2 @ 20%): ≥1,000 mm. • Heat & Shadow: Shadow dilution ≥95%; temperature rise at surgical field ≤2°C (IR/heat filter protection).	1 Set (2 Domes)				
2	**LED Emitter Modules & Thermal Housing**	• LED Emitters: Premium international make (Osram / Cree / Lumileds); rated service life ≥50,000 hours. • Thermal Management: Aerodynamic die-cast aluminum housing for passive convective laminar flow cooling. • Spare Modules: Included backup LED cluster modules for immediate field replacement.	1 Set				
3	**Dual-Arm Suspension System & Ceiling Mounting**	• Suspension Design: Heavy-duty dual-arm articulated mechanism with continuous 360° rotation on all primary joints. • Balance & Radius: Medical-grade spring-counterbalanced arms (Ondal / equivalent) with drift-free friction braking; working radius ≥1,500 mm per arm. • Structural Mounting: Heavy-duty ceiling interface flange, drop tube, and high-tensile anchor hardware.	1 Set (Dual Arm)				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Ceiling-Mounted Dual-Arm Dual-Dome Surgical LED OT Light with Separate Accessory Breakup

S.N.	Component / Accessory Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
4	**Dual Digital Control Panels & Electrical Unit**	• Controls: Independent membrane/touch digital control panel for each dome (10%–100% stepless dimming, on/off). • Specialized Modes: Dedicated one-touch Endo Mode (ambient green/low illumination for laparoscopic surgery). • Power Unit: 220–240V AC, 50/60 Hz SMPS power supply with built-in voltage spike and surge protection.	1 Set				
5.1	**Sterilizable Handles**	Detachable, medical-grade polymer/metallic handles autoclavable at 134°C (Quantity: 10 pieces).	10 Nos.				
5.2	**Ceiling Extension & Flange Kit**	Complete ceiling drop tube, mounting flange, anchor fasteners, and aesthetic ceiling canopy cover ring.	1 Set				
5.3	**Quality & Compliance Docs**	Mandatory CE, ISO 13485, IEC 60601-1, and IEC 60601-2-41 certificates, factory optical calibration report, and user manuals.	1 Set				
6	**Installation, Commissioning & 2+8 Year Extended Warranty**	• Turnkey Scope: Complete on-site mechanical anchoring, structural load testing, electrical wiring, optical alignment, and staff training. • Warranty Terms: 2-Year comprehensive on-site warranty on suspension arms, power supply, and electronics + 8-Year extended warranty on LED modules. • SLA: Local service center support with guaranteed breakdown response within ≤48 hours.	1 Job				
	TOTAL BASE SYSTEM PRICE	**Turnkey Dual-Arm Dual-Dome Light Package (Items 1 to 6 complete with 10 handles, ceiling kit, installation, and 2+8 Year Warranty).**	**Total**				
OPT 1	**In-Dome Full HD Video Camera**	**Integrated Full HD surgical dome-mounted video camera with 20x optical zoom, control box, and monitor cabling.**	**1 Set**				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Ceiling-Mounted Dual-Arm Dual-Dome Surgical LED OT Light with Separate Accessory Breakup

S.N.	Component / Accessory Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
OPT 2	3rd Spring-Balanced Monitor Arm	Independent 3rd ceiling-suspended articulated spring arm for 24"–32" surgical display monitor.	1 Unit				
OPT 3	2-Hour Online Battery Backup	Medical-grade online static inverter/UPS unit providing ≥2 to 3 hours of full light intensity during mains failure.	1 Unit				
OPT 4	Post-Warranty AMC (Yrs 3–5)	Annual Maintenance Contract covering preventive servicing, arm spring friction balancing, and electrical checks.	3 Yrs				
OPT 5	Post-Warranty CMC (Yrs 3–5)	Comprehensive Maintenance Contract covering electronic controllers, SMPS power supplies, and suspension joints.	3 Yrs				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Modular Anesthesia Workstation Cart / Emergency Crash Trolley with Itemized Accessories

S.N.	Component / Accessory Block	Technical Specifications & Detailed Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Chassis, Body Frame & Top Work Surface**	• Construction: High-strength aluminum alloy pillars with Grade AISI 304 stainless steel / polymer impact-resistant body. • Top Surface: Seamless molded ABS / SS 304 working tabletop with raised anti-spill retaining perimeter rim. • Mobility & Bumpers: Four 125 mm anti-static swivel castors (2 with independent brakes), full perimeter anti-collision bumper ring.	1 Unit				
2	**Drawer System & Central Security Lock**	• Drawer Capacity: 5 to 6 modular telescopic drawers (e.g., 2 small, 2 medium, 1-2 large deep bins). • Internal Organization: Modular, customizable polycarbonate divider sets inside all drawers for drug ampoules & disposables. • Mechanism & Security: Auto-return soft-closing ball-bearing slides; key-operated / disposable seal central gang lock.	1 Set				
3	**Work Surfaces & Side Support Rails**	• Retractable Writing Table: Concealed pull-out sliding shelf for documentation and medication preparation. • Adjustable Side Shelf: Collapsible / height-adjustable fold-down secondary preparation tray. • Side Utility Rails: Dual-sided stainless steel utility rails for modular attachment mounting.	1 Set				
4	**Electrical Console & Safety Earthing**	• Electrical Sockets: Integrated multi-pin power distribution strip (4–6 universal surge-protected sockets with master switch). • Safety: External equipotential earthing terminal pin, heavy-duty 3–5 meter retractable power cord.	1 Set				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Modular Anesthesia Workstation Cart / Emergency Crash Trolley with Itemized Accessories

S.N.	Component / Accessory Block	Technical Specifications & Detailed Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
5.1	**Defibrillator / Monitor Shelf**	360° swiveling, height-adjustable top shelf with safety strap for cardiac monitor or defibrillator.	1 Unit				
5.2	**Telescopic IV Infusion Pole**	Stainless steel height-adjustable IV pole with 4-hook crown and rigid rail clamp mount.	1 Unit				
5.3	**Oxygen Cylinder Carrier**	Rear/side-mounted heavy-duty cradle with securing safety belt for 'B'/'E' type oxygen cylinder.	1 Unit				
5.4	**Waste & Sharps Container Unit**	Dual ABS waste bins (color-coded) + dedicated puncture-proof sharps container holder with clamp.	1 Set				
5.5	**Large Wire Accessory Basket**	Grade AISI 304 stainless steel / epoxy-coated large side storage basket for bulky disposable kits.	1 Unit				
5.6	**Cardiac CPR Board & Bracket**	Rigid, radiolucent polyethylene CPR compression backboard mounted on quick-release rear hooks.	1 Unit				
5.7	**Tilt-Out Transparent Drug Bins**	Dual-row transparent tilt-out acrylic storage bins mounted on top bridge for emergency drug ampoules.	1 Set				
6	**Turnkey Delivery, Setup & 1-Year Warranty**	• Scope: Complete delivery (F.O.R.), unpacking, on-site assembly of accessories, and demonstration. • Warranty: Minimum 1 to 2-year comprehensive warranty on drawer runners, castors, central lock, and chassis. • Guaranteed spare availability for castors, locking mechanisms, and drawer runners.	1 Job				
	TOTAL BASE SYSTEM PRICE	**Comprehensive turnkey package including Anesthesia Trolley, all accessories (5.1–5.7), delivery, and Warranty.**	**Total**				
OPT	**Suction Machine Platform**	**Bottom / side-mounted secure mounting platform for portable electrical suction unit.**	**1 Unit**				
OPT	**Post-Warranty AMC / CMC**	**Annual maintenance contract covering castor replacement, runner lubrication, locks, and electrical check.**	**2 Yrs**				

Gynec OPD Ultrasound System Letter

S.N.	Module / Feature Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Standard Inbuilt Probes**	• Convex Transducer (2–6 MHz): Abdominal & early obstetric screening. • Endocavitary Transducer (4–9 MHz): Transvaginal/transrectal exams.	2 Probes Inbuilt				
2	**Imaging Architecture**	• Harmonic Imaging, Speckle Reduction, and Spatial Compounding available on all active ports.	1 System				
3	**Inbuilt Clinical Software**	• Obstetrical Package (fetal biometry, AFI). • Gynecology Package (uterine volume, endometrial thickness). • Fetal Echo Package (fetal heart screening & M-mode analysis).	1 Package Inbuilt				
4	**Real-Time 4D Engine**	• High frame-rate real-time 4D volumetric rendering engine with multi-slice and surface rendering.	1 Unit				
5	**Memory & Cine Loop**	• Minimum 300-frame cine loop memory capacity for retro-active review.	1 System				
6	**Display Monitor Description**	• **17" High-Resolution Non-Interlaced LED/LCD Medical Monitor** mounted on articulating arm with anti-glare coating.	1 Unit				
7	**Hardware Ports & DICOM**	• At least **3 Active Electronic Probe Ports** for instant switching. • Full DICOM 3.0 support for PACS/HIS network integration.	1 Set				
8	**Turnkey Setup & Warranty**	• F.O.R. delivery, mechanical setup, calibration, and clinical training. • **2-Year Comprehensive On-Site Warranty** covering console, system boards, and probes (\le24–48 hr SLA).	1 Job				

Gynec OPD Ultrasound System Letter

S.N.	Module / Feature Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
	TOTAL TURNKEY GYNEC SYSTEM	**Complete turn-key Gynae OPD system including inbuilt probes, 4D, 17" monitor, software, and 2-Yr warranty.**	**Total**				
OPT 1	Separate Optional Probe: Linear (5–12 MHz)	High-frequency linear transducer for breast, superficial structures, and pelvic floor.	1 Probe				
OPT 2	Separate Accessory: Thermal Printer	Digital high-speed graphic video printer for hardcopy reporting.	1 Unit				
OPT 3	Separate Accessory: Medical UPS (1 kVA)	Dedicated double-conversion online UPS protecting system against power fluctuations.	1 Unit				
OPT 4	Post-Warranty CMC (Years 3 to 5)	Annual comprehensive contract covering parts, labor, and software updates	3 Yrs				
OPT 5	Post-Warranty AMC (Years 3 to 5)	Annual preventive maintenance contract covering quarterly calibration and labor	3 Yrs				

Radiology & Echocardiography Letter

S.N.	Module / Feature Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Standard Inbuilt Probes**	• Phased Array (1–5 MHz): Dedicated cardiac echo probe. • Convex (2–6 MHz): Abdominal & deep tissue probe. • Linear (5–12 MHz): Vascular, thyroid, breast, and MSK probe.	3 Probes Inbuilt				
2	**Comprehensive Doppler**	• Full operating suite: Color Flow Mapping, Power Doppler, PW, and CW Doppler.	1 System				
3	**Electronic Processing Architecture**	• Ultra-high density digital beamformer featuring **40,000 or more independent electronic processing channels**.	1 System				
4	**Inbuilt Cardiac Software**	• Advanced quantification including Auto EF, Speckle Tracking / Strain Imaging, TDI, and anatomical M-mode.	1 Package Inbuilt				
5	**Inbuilt Radiology Software**	• Comprehensive packages for Abdominal, Vascular, Small Parts, and MSK imaging with auto-measurements.	1 Package Inbuilt				
6	**Display Monitor Description**	• **High-Resolution Non-Interlaced LED/LCD Medical Monitor \ge22 inches** on fully articulated arm.	1 Unit				
7	**Hardware Ports & DICOM**	• At least **3 Active Electronic Probe Ports** for multi-transducer connectivity. • Full DICOM 3.0 compliance for PACS/HIS network integration.	1 Set				

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S.N.	Module / Feature Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
8	**Turnkey Setup & Warranty**	• F.O.R. delivery, mechanical setup, calibration, and specialized applications training. • **2-Year Comprehensive On-Site Warranty** covering console, processing channels, and all 3 probes (\le24–48 hr SLA).	1 Job				
	TOTAL TURNKEY RAD/ECHO SYSTEM	**Complete turn-key system with Phased, Convex, Linear probes, \ge40k channels, \ge22" monitor, software, and 2-Yr warranty.**	**Total**				
OPT 1	Separate Optional Probe: Pediatric Phased (3–8 MHz)	Dedicated small footprint phased array transducer for neonatal and pediatric echocardiography.	1 Probe				
OPT 2	Separate Accessory: DICOM SR License	Advanced software license transmitting standardized cardiac measurements directly to DICOM PACS.	1 License				
OPT 3	Separate Accessory: Medical UPS (2 kVA)	High-capacity online double-conversion UPS protecting heavy-duty beamformers and processing units.	1 Unit				
OPT 4	Post-Warranty CMC (Years 3 to 5)	Annual comprehensive service contract covering processing boards, software, and probes	3 Yrs				
OPT 5	Post-Warranty AMC (Years 3 to 5)	Annual preventive service contract covering calibration, safety checks, and labor	3 Yrs				

Equipment: 12-Channel Resting ECG Machine with Built-In Interpretation Report & Digital Display

S.N.	Module / Feature Block	Technical Specifications & Scope of Supply	Qty	Make / Model	Basic Rate	GST (%)	Total Price
1	**Display & User Interface**	• **High-Resolution Color Touch Screen (\ge7 to 10 inches)** displaying simultaneous 12-lead ECG waveforms, patient data, heart rate, and menu settings.	1 Unit				
2	**Acquisition & Interpretation Report**	• Simultaneous acquisition of 12 leads with built-in automated ECG analysis and **interpretation software program** (measured parameters, automated measurements, and diagnostic statements).	1 System				
3	**Printing & Thermal Recorder**	• Built-in high-resolution thermal printer supporting Z-fold thermal paper (A4 or 210mm wide) with formats for 3, 6, or 12 channels plus rhythm lead printing.	1 Unit				
4	**Memory & Data Storage**	• Internal memory storage for **\ge500 to 1,000 ECG records** with USB flash drive export and PC archiving capability.	1 System				
5	**Filters & Signal Processing**	• Advanced digital filters including AC filter (50/60 Hz), EMG (muscle tremor) filter, baseline wander filter, and low-pass filters for noise-free tracing.	1 System				
6	**Power Supply & Battery Backup**	• Dual power operation: AC mains (100–240V, 50/60Hz) and **Built-in Rechargeable Lithium-Ion Battery** providing \ge2 to 4 hours of continuous operation or \ge150 ECG printouts.	1 Unit				

Equipment: 12-Channel Resting ECG Machine with Built-In Interpretation Report & Digital Display

S.N.	Module / Feature Block	Technical Specifications & Scope of Supply	Qty	Make / Model	Basic Rate	GST (%)	Total Price
7	**Standard Inbuilt Accessories Set**	• Patient cable (10-lead AHA/IEC), chest suction/bulb electrodes (6 pcs), limb clamp electrodes (4 pcs), rechargeable battery, power cord, and initial thermal paper roll.	1 Set Inbuilt				
8	**Turnkey Delivery, Setup & Warranty**	• F.O.R. delivery, setup, user operation training, and **2-Year Comprehensive On-Site Warranty** covering all boards, printer head, and battery (\le24–48 hr SLA).	1 Job				
	TOTAL TURNKEY 12-CHANNEL ECG MACHINE PRICE	**Complete turn-key 12-channel ECG machine with built-in interpretation software, thermal printer, standard accessories, and 2-Yr warranty.**	**Total**				
OPT 1	**Separate Accessory: Mobile Trolley / Cart**	Dedicated wheeled medical trolley with storage basket and instrument shelf for ECG machine.	1 Unit				
OPT 2	**Separate Accessory: External USB Printer**	External USB laser printer or barcode scanner for patient ID integration.	1 Unit				
OPT 3	**Separate Software: PC-Based ECG Workstation**	Software license for connecting ECG machine to hospital network for direct digital ECG management (PC/EMR integration).	1 License				
OPT 4	**Post-Warranty Comprehensive Maintenance (CMC)**	Annual comprehensive service contract (Years 3 to 5) covering parts, labor, and printhead	3 Yrs				
OPT 5	**Post-Warranty Annual Maintenance (AMC)**	Annual preventive maintenance contract (Years 3 to 5) covering calibration, safety checks, and labor	3 Yrs				

NICU WARMER

Serial No.	Necessary Requirements & Specifications	Model & Authorized OEM Brand	Price Including GST (Turnkey)
1	Manual & servo temperature control modes Ceramic / Quartz IR heating element Fixed/rotatable bassinet with drop-down acrylic side panels Audible & visual thermal alarms Entry-level neonatal warmer with basic radiant heating & servo control.		
2	Manual & servo temperature control modes Ceramic / Quartz IR heating element Fixed/rotatable bassinet with drop-down acrylic side panels Audible & visual thermal alarms Microprocessor controlled, rotatable module, X-ray tray, APGAR timer & LED exam lights.		
3	Manual & servo temperature control modes Ceramic / Quartz IR heating element Fixed/rotatable bassinet with drop-down acrylic side panels Audible & visual thermal alarms Touchscreen UI, trend memory, integrated SpO2, dual probes & motorized tilt.		
4	Integrated Phototherapy Unit (LED): Built-in APGAR Timer & Oxygen Suction: Dual Sensor Skin Probes & SpO2 Module:		
5	Post-Warranty CMC (Years 3 to 5)		
6	Post-Warranty AMC (Years 3 to 5)		

LABOUR ROOM WARMER

Serial No.	Necessary Requirements & Specifications	Model & Authorized OEM Brand	Price Including GST (Turnkey)
1	Manual & servo heating modes with digital LED display Bassinet with Trendelenburg tilt mechanism IV pole and utility shelf for emergency drugs Built-in suction provision		
2	Neo-Tee T-Piece Resuscitator System: Medical Grade Suction Machine Resuscitation Trolley & Laryngoscope Set		
3	Post-Warranty CMC (Years 3 to 5)		
4	Post-Warranty AMC (Years 3 to 5)		

GENERAL BED

Serial No.	Necessary Requirements & Specifications	Model & Authorized OEM Brand	Price Including GST (Turnkey)
1	Dimensions: ~2000L × 900W × 500H mm Single-function backrest elevation via manual crank Mild steel frame with SS tubular head/foot bows Removable ABS head & foot panels 4 heavy-duty castors (2 with brakes)		
2	Dimensions: ~2050L × 950W × 550H mm Dual-function (Backrest & Knee rest elevation) SS 304 framework with collapsible SS side rails Detachable molded ABS head & foot panels Central locking castors (125mm)		
3	Dimensions: ~2100L × 1000W × 500–600H mm Heavy-duty SS frame with smooth dual-crank / motor Full-length collapsible ABS/SS side safety rails Deluxe aesthetic ABS panels with locking mechanism Silent central locking castor system with brake pedals		
4	Foam Mattress (4-inch with rexine cover): Bedside Locker (MS/ABS body): Over-bed Table (Manual height)		
5	Post-Warranty CMC (Years 3 to 5)		
6	Post-Warranty AMC (Years 3 to 5)		

ICU BED

Serial No.	Necessary Requirements & Specifications	Model & Authorized OEM Brand	Price Including GST (Turnkey)
1	Dimensions: ~2100L × 950W × 450–700H mm 3 to 4-Function Electric Be+B2:B4d via handset controller Backrest, Knee rest, Hi-Lo adjustment Steel powder coated frame with ABS panels Drop-down polymer side rails & battery backup		
2	Dimensions: ~2120L × 1000W × 450–750H mm 5-Function Fully Motorized ICU Bed with LINAK actuators Trendelenburg & Reverse Trendelenburg positioning Nurse control panel on footboard + patient handset 4 split-type ABS side rails with angle indicators		
3	Dimensions: ~2150L × 1050W × 450–780H mm Advanced 5/6-Function ICU Bed with Cardiac Chair position CPR quick-release lever for emergency resuscitation Integrated digital weighing scale or bed-exit alarm X-ray transparent radiolucent backrest with cassette holder		
4	Anti-Decubitus Air Mattress System: Deluxe ICU Bedside Cabinet: Over-bed Table (Pneumatic):		
5	Post-Warranty CMC (Years 3 to 5)		
6	Post-Warranty AMC (Years 3 to 5)		

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Hospital-Wide Multi-Parameter Patient Monitoring Systems (ICU, NICU, OT, Emergency, General Ward)

S.N.	Monitor Category / Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Advanced ICU Monitor (15"–17" Touchscreen)**	• Parameters: 3/5/12-lead ECG, SpO2, NIBP, Dual Temp (2xTemp), Respiration Rate (RR), Pulse Rate. • Specialized Modules: Dual Invasive Blood Pressure (2xIBP), Sidestream/Microstream EtCO2 port, Arrhythmia detection (23+ types), multi-lead ST-segment analysis. • Safety & System: 360° alarm light bar, Central Nursing Station (CMS) LAN/Wi-Fi interface, ≥120 hrs trend storage, ≥3–4 hrs battery backup, heavy-duty wall mount bracket.	4Unit				
2	**Dedicated NICU Monitor (10.4"–12.1" Quiet Mode)**	• Neonatal Specifics: Neonatal 3-lead ECG, high-sensitivity low-perfusion & motion-tolerant SpO2 (Masimo SET / Nellcor OxiMax), skin temperature probe. • Safety Algorithms: Neonatal NIBP with micro-cuff auto-overpressure dump (cuff sizes #1, #2, #3), dedicated Apnoea alarm detection (10–20 sec delay), Oxy-CRG (Oxygen Cardio-Respirogram) display. • Ergonomics: Visual-first alarm light to prevent acoustic trauma in premature neonates, CMS ready, ≥4 hrs battery, mobile rolling stand.	2Unit				
3	**Operation Theatre Monitor (15"–17" High Contrast)**	• Standard Parameters: 5/12-lead ECG, SpO2, NIBP, Dual Temp, Respiration Rate. • Surgical Capabilities: Electrosurgical Unit (ESU/electrocautery) interference suppression filter, Mainstream/Sidestream EtCO2 (real-time capnography), Dual IBP for arterial line / CVP tracking, defibrillator synchronization. • Display & Mounting: Slave display HDMI output for secondary surgeon viewing, high-volume alarms, ≥3 hrs battery backup, articulated arm mount.	2Unit				
4	**Emergency / Casualty Monitor (10.4"–12.1" Transport Rugged)**	• Standard Parameters: 5-lead ECG, motion-tolerant SpO2, NIBP, single Temp, Respiration Rate. • Emergency Features: Fast-stat NIBP mode, quick patient profile admission, shock-resistant drop-tested housing with top carry handle. • Portability: Rapid-response yellow/red flashers, bed-rail hook / IV pole clamp, high-capacity Li-ion battery (≥4–5 hrs runtime).	2Unit				

TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Hospital-Wide Multi-Parameter Patient Monitoring Systems (ICU, NICU, OT, Emergency, General Ward)

S.N.	Monitor Category / Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
5	**General Ward Monitor (8.4"–10.4" Standard 5-Para)**	• Standard Parameters: 3/5-lead ECG, SpO2, NIBP, single Temp, Respiration Rate. • Clinical Engine: Spot-check and continuous monitoring modes, Early Warning Score (MEWS/NEWS) automated calculation for deterioration alert. • Ward Safety: Standard audio-visual alarms, nurse call interface, tamper-proof parameter lockout, ≥4 hrs battery backup, standard wall bracket.	4Unit				
6	**Central Monitoring Station (CMS Network Package)**	• Hardware: Dedicated commercial-grade workstation server PC, dual 24" medical-grade displays, laser printer, network Ethernet switch. • Software: 16–32 bed real-time monitoring software license, bidirectional alarm control, 72-hr full disclosure waveform storage, HL7 hospital HIS/EMR interface.	2Set				
7	**Turnkey Installation, Testing & 2-Year Comprehensive Warranty**	• Scope: Turnkey delivery (F.O.R.), complete on-site mounting, network cabling/Wi-Fi setup, transducer calibration, staff training. • Warranty: Minimum 2-year comprehensive on-site warranty covering all internal boards, display, NIBP pump, and power supplies. • SLA: Dedicated local service support with guaranteed breakdown response time within ≤24–48 hours.	1 Job				
	TOTAL BASE SYSTEM PACKAGE PRICE	**Comprehensive turnkey package covering Items 1 to 7 (Complete 5-department patient monitoring fleet, CMS station, accessories, delivery, and 2-Year Warranty).**	**Total**				
OPT	**Post-Warranty CMC (Years 3 to 5)**	**Comprehensive Maintenance Contract covering display panels, power boards, NIBP pumps, SpO2 boards, and CMS network hardware.**	**3 Yrs**				
OPT	**Post-Warranty AMC (Years 3 to 5)**	**Annual Maintenance Contract covering preventive maintenance visits, NIBP pneumatic calibration, electrical safety tests, and labor.**	**3 Yrs**				

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
1	**Cusco's Vaginal Speculum (Small)**	Small (Blade ~75 x 20 mm)	AISI 304 Stainless Steel	10	0	0	**10**			
2	**Cusco's Vaginal Speculum (Medium)**	Medium (Blade ~85 x 35 mm)	AISI 304 Stainless Steel	20	0	0	**20**			
3	**Cusco's Vaginal Speculum (Large)**	Large (Blade ~100 x 35 mm)	AISI 304 Stainless Steel	10	0	0	**10**			
4	**Sims Vaginal Speculum (Double Ended)**	Set sizes 1/2 & 3/4 (~6.5" - 7.5")	AISI 304 Stainless Steel	15	5	0	**20**			
5	**Anterior / Long Vaginal Wall Retractor**	Long 9.5" - 10" loop handle	AISI 304 Stainless Steel	10	2	0	**12**			
6	**Auvard Weighted Vaginal Speculum**	2.5 lbs (1.13 kg) lead-weighted, 70x38 mm blade	AISI 304 SS with Chrome/Lead core	0	0	2	**2**			
7	**Breisky Deep Vaginal Retractor**	Long blade 120 mm x 30 mm (Total length 11")	AISI 304 Stainless Steel	0	0	2	**2**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
8	**Doyen Abdominal Retractor**	Large / Medium blade (85x45 mm & 100x60 mm)	AISI 304 Stainless Steel	0	0	4	**4**			
9	**Deaver Abdominal Retractor**	12" Length, 2" (50 mm) Malleable blade	AISI 304 Malleable Stainless Steel	0	0	2	**2**			
10	**Balfour Self-Retaining Retractor with Center Blade**	Spread 180–200 mm, lateral blades 70 mm, center 70x45 mm	AISI 304 Stainless Steel	0	0	1	**1**			
11	**Sponge Holding Forceps (Foerster)**	Straight 9.5" (240 mm) serrated loop rings	AISI 410 Martensitic Stainless Steel	10	10	6	**26**			
12	**Green-Armytage Hemostatic Clamps**	Straight 8" (200 mm) broad serrated jaws	AISI 410 Martensitic Stainless Steel	0	8	6	**14**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
13	**Spencer Wells Artery Forceps**	Straight & Curved (LR: 8" 10 Nos; OT: 6" & 8" 16 Nos)	AISI 410 / AISI 420 Martensitic SS	0	10	16	**26**			
14	**Kocher Hemostatic Traction Clamps (1:2 Teeth)**	Curved 8" (200 mm) with 1:2 aggressive teeth	AISI 410 Martensitic Stainless Steel	0	10	12	**22**			
15	**Allis Tissue Holding Forceps (Interlocking Teeth)**	Interlocking 4:5 / 5:6 jaws (LR: 6" 10 Nos; OT: 8" 8 Nos)	AISI 410 Martensitic Stainless Steel	0	10	8	**18**			
16	**Babcock Atraumatic Tissue Forceps**	8" (200 mm) fenestrated non-perforating jaws	AISI 410 Martensitic Stainless Steel	0	0	6	**6**			
17	**Heaney Hysterectomy Clamps**	Curved 8.25" (210 mm) heavy longitudinal serration	AISI 410 / AISI 420 Martensitic SS	0	0	6	**6**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
18	**Wertheim / Zeppelin Parametrium Clamps**	Heavy curved 9.5" (240 mm) atraumatic clamping	AISI 410 / AISI 420 Martensiti c SS	0	0	4	**4**			
19	**Heywood-Smith / Cushion Ovum Forceps**	10" (250 mm) curved fenestrated oval jaws	AISI 410 Martensiti c Stainless Steel	0	2	2	**4**			
20	**Kelly Placental / IUCD Insertion Forceps**	12.5" (320 mm) extra long curved shaft	AISI 410 Martensiti c Stainless Steel	0	3	0	**3**			
21	**Tenaculum Forceps (Schroeder / Pozzi)**	10" (250 mm) single-toothed sharp interlocking tip	AISI 410 Martensiti c Stainless Steel	6	0	0	**6**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
22	**Mayo-Hegar Needle Holder (Tungsten Carbide Jaws)**	Heavy TC cross-serrated jaws (LR: 7" 5 Nos; OT: 7"/8" 4 Nos)	AISI 410 Body + Tungsten Carbide (TC) Inserts	0	5	4	**9**			
23	**Toothed Dissecting Forceps (1:2 Teeth)**	Surgical grip (LR: 6" 5 Nos; OT Bonney: 7" 4 Nos)	AISI 410 Martensitic Stainless Steel	0	5	4	**9**			
24	**Non-Toothed Plain Dissecting Forceps**	Atraumatic serrated (LR: 6" 5 Nos; OT: 7" 4 Nos)	AISI 410 Martensitic Stainless Steel	0	5	4	**9**			
25	**Busch Umbilical Cord Scissors**	6.25" (160 mm) curved wide round blunt blades	AISI 420 Surgical Cutting Stainless Steel	0	5	0	**5**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
26	**Braun-Stadler Episiotomy Scissors**	5.5" (140 mm) angled heavy blades with safety bulb tip	AISI 420 Surgical Cutting Stainless Steel	0	5	0	**5**			
27	**Mayo Dissecting Scissors (Curved Heavy)**	6.75" (170 mm) curved beveled cutting blades	AISI 420 Surgical Cutting Stainless Steel	0	0	3	**3**			
28	**Metzenbaum Dissecting Scissors (Curved Fine)**	7" & 9" (180 mm & 230 mm) curved delicate blades	AISI 420 Surgical Cutting Stainless Steel	0	0	4	**4**			
29	**Tischler Cervical Punch Biopsy Forceps**	20 cm (8") shaft, 7x3 mm rectangular bite jaw	AISI 420 Cutting Jaws / AISI 304 Shaft	3	0	0	**3**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
30	**Kevorkian Endocervical Curette with Basket**	12" (300 mm) shaft, 3x12 mm square scraping head	AISI 420 Cutting Edge / AISI 304 Shaft	4	0	0	**4**			
31	**Pipelle Endometrial Suction Cannula**	3.1 mm OD, 26 cm length, flexible with internal piston	Medical Grade Polypropylene / SS Wire	15	0	0	**15**			
32	**Uterine Sound (Simpson's Graduated)**	12.5" (320 mm) malleable with cm graduations (1–30 cm)	Malleable Silver-Plated Brass / AISI 304 SS	8	0	0	**8**			
33	**IUCD Removal Hook / Micro Alligator Forceps**	11" (280 mm) fine flexible shaft with micro grasping tip	AISI 304 SS Shaft + AISI 420 Micro Jaws	4	0	0	**4**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
34	**Hegar Uterine Dilator Sets (Double Ended)**	Double-ended sets (LR: 8 dilators #3-#18; OT: 8 dilators #1-#16)	AISI 304 Satin Finished Stainless Steel	0	2	1	**3**			
35	**Manual Vacuum Aspiration (MVA) Double-Valve Kit**	60 ml locking syringe + assorted flexible cannulae (4–12 mm)	Medical-Grade Autoclavable Polymer / Silicone	0	2	2	**4**			
36	**Sims Uterine Curette Set (Sharp & Blunt)**	Double-ended 11" (280 mm), sizes #1, #2, #3, #4	AISI 420 Cutting Edge / AISI 304 Handle	0	0	2	**2**			
37	**Uterine Tamponade Balloon System (Condom/Foley Kit)**	Hydrostatic balloon catheter assembly (500 ml capacity)	Medical Grade Silicone / Latex Free	0	2	0	**2**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
38	**Wrigley's Obstetric Forceps (Short Outlet Haul)**	11" (280 mm) short outlet cephalic curved pelvic haul	AISI 410 Forged Surgical Stainless Steel	0	1	0	**1**			
39	**Silicone Vacuum Extractor Cup System (Hand Pump)**	Complete kit with 50 mm & 60 mm soft silicone cups + gauge pump	Medical Grade Silicone + Chrome/Brass Pump	0	1	0	**1**			
40	**Neonatal Resuscitation Ambu Bag with Masks**	250 ml silicone self-inflating bag + size 0 & 1 silicone masks	Autoclavable Medical Silicone + Polycarbonate	0	5	0	**5**			
41	**Mucus Extractor with Reusable Silicone Bulb**	Infant aspiration bulb with 10 Fr catheter attachment	Medical Grade Silicone & Polycarbonate	0	5	0	**5**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
42	**Stainless Steel Deep Baby Basin / Receiving Tray**	20" x 12" x 4" oval contoured infant receiving bath	AISI 304 Seamless Stainless Steel	0	5	0	**5**			
43	**Ferguson Mouth Gag with Rubber Guards**	Adult / Pediatric ratchet frame with rubber tooth pads	AISI 304 SS + Medical Vulcanize d Rubber	0	2	0	**2**			
44	**Tongue Holding Forceps (Young's Double Loops)**	7" (180 mm) circular fenestrated rubber-cushioned jaws	AISI 410 SS + Silicone Rubber Inserts	0	2	0	**2**			
45	**Knee Tendon Hammer (Queen Square)**	14" (350 mm) flexible nylon handle with 2" rubber ring	Chrome Brass Collar + Synthetic Rubber	0	2	0	**2**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
46	**Stainless Steel Female Catheter**	6" (150 mm) curved hollow tube, 12 Fr / 14 Fr	AISI 304 Seamless Stainless Steel	0	5	0	**5**			
47	**Deschamps Ligature Carrier Needle**	Right & Left 8.5" (215 mm) deep curved blunt eye tip	AISI 304 Stainless Steel	0	0	2	**2**			
48	**Yankauer Rigid Surgical Suction Tube with Tubing**	11" (280 mm) rigid angled tube with detachable rose tip	AISI 304 Seamless Stainless Steel	0	0	2	**2**			
49	**Continuous Flow Operative Hysteroscopy Sheath Set**	Outer sheath 26 Fr, inner 22 Fr (fits 2.9/4 mm scopes, 5Fr channel)	AISI 316L Surgical Stainless Steel	0	0	1	**1**			
50	**Semi-Rigid Hysteroscopic Biopsy Forceps & Scissors**	5 Fr diameter, 34 cm length flexible-rigid instruments	AISI 420 Cutting Tips / AISI 316L Shaft	0	0	1	**1**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
51	**Reusable Laparoscopic Trocar & Cannula Set**	10 mm (1 No.) & 5 mm (1 No.) with magnetic/flip valves	AISI 303/304 Stainless Steel + Silicone Seals	0	0	2	**2**			
52	**Veress Insufflation Needle (High Flow)**	120 mm length, 14G outer needle with blunt spring stylet	AISI 304 Stainless Steel	0	0	2	**2**			
53	**Johan Atraumatic Laparoscopic Grasping Forceps**	5 mm diameter x 330 mm working length, 360° rotation	AISI 420 Jaws + PEEK Insulated Shaft	0	0	2	**2**			
54	**Maryland Dissecting Laparoscopic Forceps**	5 mm diameter x 330 mm length, fine curved serrated tips	AISI 420 Jaws + PEEK Insulated Shaft	0	0	1	**1**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
55	**Falope-Ring Band Applicator (Silicone TL Ring Gun)**	Standard dual-prong tubal ligation ring applicator gun	AISI 304 SS & Anodized Aluminum Handle	0	0	1	**1**			
56	**Hulka-Kenwick / Cohen Uterine Manipulator**	11" (280 mm) rigid shaft with spring-loaded cervical acorn	AISI 304 Stainless Steel	0	0	1	**1**			
57	**Castroviejo Micro Needle Holder & Micro Scissors Set**	5.5" (140 mm) spring-action fine tip with TC inserts	AISI 410 Body + TC Jaws / Titanium option	0	0	1	**1**			
58	**Cheatle Forceps with Heavy Base SS Jar**	10.5" (270 mm) heavy forceps with 4"x8" heavy weighted jar	AISI 304 Heavy Stainless Steel	2	0	0	**2**			
59	**Stainless Steel Kidney Tray (10") / Gallipot Set**	10" (250 mm) Kidney Tray (OPD: 15 Nos; LR: 5 Tray+Gallipot sets)	AISI 304 Seamless Stainless Steel	15	5	0	**20**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
60	**Stainless Steel Lotion Bowl**	Medium capacity (100 ml - 200 ml / 4" diameter)	AISI 304 Seamless Stainless Steel	15	0	0	**15**			
61	**Autoclave Dressing Drum (Seamless SS)**	11" x 9" (275 mm x 225 mm) radial perforated slotted band	AISI 304 Heavy-Gauge Stainless Steel	4	4	0	**8**			
62	**Autoclave Delivery Linen Drum**	14" x 11" (350 mm x 275 mm) extra-deep linen drum	AISI 304 Heavy-Gauge Stainless Steel	0	4	0	**4**			
63	**Heavy Autoclave Drum for Major Open Sets**	15" x 12" (380 mm x 300 mm) jumbo laparotomy drum	AISI 304 Heavy-Gauge Stainless Steel	0	0	3	**3**			

OBG Instrument

S.N.	Instrument Description	Standard Size / Dimensions	Recommended Material Grade	OPD Qty	LR Qty	OT Qty	Total Qty	Brand / Model	Est. Unit Price with gst	Est. Cumulative Price
64	**Perforated Stainless Steel Tray Organizer Box**	12" x 8" x 2.5" perforated base box (Dakshata 7-Tray Set)	AISI 304 Heavy Perforate d SS	0	14	0	**14**			
65	**Rigid Perforated Wire Basket for Instrument Wash**	18" x 10" x 3" wire mesh washing basket with silicone clips	AISI 304 Electropol ished Wire Mesh	0	0	4	**4**			
66	**Endoscopy Rigid Protection Container Box**	20" x 4" x 3" cushioned container with silicone holding racks	Anodized Aluminum / AISI 304 + Medical Silicone	0	0	1	**1**			
	CONSOLIDATED GRAND TOTAL	**Cross-Departmental Total**	**All Certified Grades**	**151**	**146**	**125**	**422**			

GENERAL SURGERY INSTRUMENT

Sr.No.	Instrument / Module Description	Standard Size / Dimensions	Recommended Material Grade	Major OT	Minor/ ER	Lap/Uro	Total Qty	Offered Make / Model	Est. Unit Price	Est. Cumulative Price
1	Mayo Dissecting Scissors (Curved & Straight)	7" (180 mm) heavy beveled blades (1 Str, 2 Cvd)	AISI 420 Martensitic Surgical Stainless Steel	3	0	0	3			
2	Metzenbaum Dissecting Scissors (Delicate Curved)	7" (180 mm) & 9" (230 mm) delicate curved blades	AISI 420 Martensitic Surgical Stainless Steel	4	0	0	4			
3	Spencer Wells Artery Forceps (Straight & Curved)	6" (150 mm) fine transverse serration (12 Str, 12 Cvd)	AISI 410 Martensitic Stainless Steel	24	0	0	24			
4	Rochester-Pean Hemostatic Forceps (Heavy Clamps)	8" (200 mm) curved robust heavy clamping jaws	AISI 410 Martensitic Stainless Steel	12	0	0	12			
5	Allis Tissue Forceps (Heavy Grasp)	6" (150 mm) & 8" (200 mm) interlocking 5:6 teeth	AISI 410 Martensitic Stainless Steel	12	0	0	12			
6	Babcock Tissue Forceps (Atraumatic Intestinal)	6" (150 mm) & 8" (200 mm) fenestrated non-crush	AISI 410 Martensitic Stainless Steel	8	0	0	8			
7	Lane Tissue Holding Forceps (Bone & Muscle Grasp)	10" (250 mm) heavy-duty 2:3 tooth grip with ratchet	AISI 410 Forged Heavy Stainless Steel	4	0	0	4			
8	Mayo-Hegar Needle Holder (TC Inserts)	7" (180 mm) & 8" (200 mm) heavy cross-serrated TC jaws	AISI 410 Body + Tungsten Carbide (TC) Jaws	4	0	0	4			
9	Sponge Holding Forceps (10") & Towel Clips (5")	Foerster 10" (250 mm) & Backhaus Towel Clips 5"	AISI 410 Martensitic Stainless Steel	16	0	0	16			
10	Yankauer Suction Tube & Poole Abdominal Cannula	Yankauer 11" with rose tip & Poole 10" dual sheath	AISI 304 Seamless Surgical Stainless Steel	3	0	0	3			
11	Balfour Self-Retaining Abdominal Retractor	Spread 200 mm, lateral blades 70 mm, center 70x45 mm	AISI 304 Stainless Steel Frame	2	0	0	2			
12	Deaver (1", 2", 3") & Doyen Retractors	Deaver malleable 12" (widths 1", 2", 3") & Doyen blades	AISI 304 Malleable / Solid Stainless Steel	6	0	0	6			
13	Payr Intestinal Crush Clamps & Non-Crushing Bowel Clamps	Payr 8" & 11" lever action + Twin intestinal clamps	AISI 410 / AISI 420 Heavy Stainless Steel	4	0	0	4			
14	Moynihan Cholecystectomy / Pedicle Clamps (Right-Angled)	9" (230 mm) right-angled longitudinal serration	AISI 410 / AISI 420 Martensitic SS	6	0	0	6			

GENERAL SURGERY INSTRUMENT

Sr.No.	Instrument / Module Description	Standard Size / Dimensions	Recommended Material Grade	Major OT	Minor/ ER	Lap/Uro	Total Qty	Offered Make / Model	Est. Unit Price	Est. Cumulative Price
15	Satinsky Vascular Clamps & Herrick Kidney Clamp	Satinsky atraumatic 9.5" & Herrick pedicle clamp 10"	AISI 410 / AISI 420 Surgical Stainless Steel	3	0	0	3			
16	Standard Scalpel Handles #3, #4 & Kilner Needle Holder	BP Handles #3 & #4 + Kilner Needle Holder 5.5"	AISI 304 (Handles) / AISI 410 (Needle Holder)	0	6	0	6			
17	Standard Dissecting Scissors (5" & 6")	5" (130 mm) & 6" (150 mm) sharp/blunt operating	AISI 420 Surgical Cutting Stainless Steel	0	6	0	6			
18	Artery Forceps (Straight & Curved Halsted/Mosquito)	5" (130 mm) & 6" (150 mm) fine tips (12 Str, 12 Cvd)	AISI 410 Martensitic Stainless Steel	0	24	0	24			
19	Allis Tissue Forceps 6" & Kocher Clamps 6"	6" (150 mm) interlocking 4:5 jaws (4 Allis) & 1:2 teeth (4 Kocher)	AISI 410 Martensitic Stainless Steel	0	8	0	8			
20	Czerny / Farabeuf Retractors (Double-Ended Pairs)	Czerny double-ended 6" & Farabeuf blade pairs (120x15 mm)	AISI 304 Stainless Steel	0	4	0	4			
21	Incision & Drainage (I&D) Dedicated Minor Tray Components	Sinus forceps, probe with eye, grooved director, scoop curette	AISI 304 / AISI 410 Stainless Steel	0	4	0	4			
22	Intercostal Drainage (ICD) Thoracic Insertion Tray Components	Large curved clamp, trocar-cannula 24-28Fr, chest tube clamp	AISI 410 SS / Medical Grade Polycarbonate	0	2	0	2			
23	Sterilization Drums (11"x9") & Perforated Instrument Boxes	11"x9" (275x225 mm) SS drums & 12"x8" perforated trays	AISI 304 Heavy-Gauge Seamless SS	0	8	0	8			
24	Laparoscopic Rigid Telescopes (0° & 30° 10mm HD)	10 mm diameter x 330 mm, 0° (1 No.) & 30° (1 No.) sapphire tip	AISI 304 SS Outer / Sapphire Distal Window	0	0	2	2			
25	Veress Insufflation Needle & Trocar-Cannula Safety Units	Veress 120 mm (2) + 10 mm Trocars (2) + 5 mm Trocars (2)	AISI 304 SS & Medical Silicone Seals	0	0	6	6			
26	Johan Grasping Forceps & Maryland Dissecting Forceps (5mm)	5 mm x 330 mm rotating 360° (2 Johan atraumatic + 2 Maryland)	AISI 420 Jaws + PEEK Insulated Shaft	0	0	4	4			

GENERAL SURGERY INSTRUMENT

Sr.No.	Instrument / Module Description	Standard Size / Dimensions	Recommended Material Grade	Major OT	Minor/ ER	Lap/Uro	Total Qty	Offered Make / Model	Est. Unit Price	Est. Cumulative Price
27	Laparoscopic Curved Shears (Monopolar Hook & Scissors 5mm)	5 mm x 330 mm (2 Metzenbaum shears + 2 L-hook electrodes)	AISI 420 Cutting Blades + Ceramic/PEEK Tip	0	0	4	4			
28	Bipolar Grasping Forceps & Clip Applicator (10mm M/L)	5 mm bipolar fenestrated forceps (1) + 10 mm clip applier (1)	AISI 420 Jaws / Gold Plated Electrical Pin	0	0	2	2			
29	Suction-Irrigation Cannula 5mm & Knot Pusher with Reducers	5 mm dual valve trumpet cannula + 5 mm knot tier + 10/5 reducers	AISI 304 Surgical Stainless Steel	0	0	2	2			
30	Continuous Flow Resectoscope Sheath 26 Fr with Central Valve	26 Fr outer sheath + 24 Fr inner sheath + obturator & stopcocks	AISI 316L Surgical Grade Stainless Steel	0	0	1	1			
31	Working Element (Iglesias Type Spring Action)	Iglesias passive / active cutting mechanism for 2.9/4mm scopes	AISI 316L SS + Gold Plated Active Contacts	0	0	1	1			
32	TURP Cutting Loops, Coagulating Roller Balls & Cold Knife	High-frequency tungsten wire cutting loops (2), roller (1), knife (1)	Tungsten Wire / AISI 304 SS Shaft	0	0	4	4			
33	Ellik Evacuator Glass Assembly with Bulb & Adaptors	Heavy borosilicate glass bladder evacuator with latex-free bulb	Borosilicate Glass + Chrome Brass Adaptor	0	0	1	1			
34	Rigid Endoscope Container System with Silicone Wire Mats	20" x 4" x 3" protective anodized container with silicone scope clips	Anodized Aluminum / AISI 304 SS + Silicone	0	0	2	2			
TOTAL	CONSOLIDATED GRAND TOTAL	Cross-Departmental Total	All Certified Medical Grades	111	62	29	202			

LABOUR TABLE

Sr. No.	Necessary Requirements & Specifications	Model & Authorized OEM Brand	Price Including GST (Turnkey)
1	Ergonomic patient positioning for delivery & examination Adjustable backrest and leg section Seamless waterproof antibacterial mattress pad Drainage basin and robust frame construction Manual MS powder coated frame, manual ratchet backrest, fixed height with seamless mattress.		
2	Ergonomic patient positioning for delivery & examination Adjustable backrest and leg section Seamless waterproof antibacterial mattress pad Drainage basin and robust frame construction Hydraulic SS framework, hydraulic height pump, gas-spring backrest & Trendelenburg tilt.		
3	Ergonomic patient positioning for delivery & examination Adjustable backrest and leg section Seamless waterproof antibacterial mattress pad Drainage basin and robust frame construction Electric Multi-motorized auto-contouring, chair position, foot-switch & retractable foot section.		
4	ACESSARY Goepel Lithotomy Stirrups / Knee Crutches Stainless Steel Drainage Basin with Arm Anesthesia Screen Frame & Hand Grips:		
5	Post-Warranty CMC (Years 3 to 5)		
6	Post-Warranty AMC (Years 3 to 5)		

DETAILS LAB BID

S.N.	Instrument Name	Qty	Mandatory Technical Specifications & Methodology	Mandatory Accessories & Startup Kit Included	Warranty Required	Vendor Compliance & Offered Make/Model
1	5-Part Hematology Analyser	1 Set	Automated 5-part differential blood cell counter utilizing laser scatter / flow cytometry or impedance technology. Measures CBC parameters including WBC, RBC, HGB, PLT, NEUT%, LYMPH%, MONO%, EOS%, BASO% with dual-angle laser scatter. High throughput (min 40-60 samples/hr), touch-screen interface, open/closed tube sampling modes.	One set FOC startup kit containing Diluent, Lyser-1, Lyser-2, and Cleaner; Motorized Blood Mixer (1 PC); External Printer.	3 Years Comprehensive	
2	Fully Automated Biochemistry Analyser including HbA1c	1 Set	Random-access fully automated clinical chemistry analyzer with on-board cooling for reagents, grating photometer, automated cuvette washing station, and throughput of 200-400 tests/hour. Capable of performing routine clinical chemistry, liver function tests (Bilirubin Total/Direct/Indirect, SGOT, SGPT, ALP, Proteins), kidney function tests, lipids, and direct immunoturbidimetric HbA1c assays.	1 Set of startup reagents; Laboratory-grade RO-DI Water Purification Plant (Distilled Water Plant); Computer system & laser printer.	3 Years Comprehensive	

DETAILS LAB BID

S.N.	Instrument Name	Qty	Mandatory Technical Specifications & Methodology	Mandatory Accessories & Startup Kit Included	Warranty Required	Vendor Compliance & Offered Make/Model
3	Coagulation Analyser	1 Set	Semi-automated or automated coagulometer utilizing optical/turbidimetric clot detection principle for testing PT, APTT, Fibrinogen, and INR with multi-channel optical positions and electronic pipetting detection.	1 Startup reagent kit with calibration controls.	3 Years Comprehensive	
4	Electrolyte Analyzer (4 Parameters)	1 Set	Direct Ion-Selective Electrode (ISE) technology analyzer measuring Na+, K+, Cl-, and Ca++ (or Li+) simultaneously from whole blood, serum, or plasma with automatic calibration and low sample volume requirement.	1 Startup 250-test cartridge FOC.	3 Years Comprehensive	
5	Semi-Automated Biochemistry Analyser	1 Set	Compact microprocessor-controlled photometer with flowcell and tube reading modes, built-in thermal printer, touch screen / keypad interface, open reagent system with precise temperature-controlled peltier cuvette well.	2 Variable pipettes with startup accessory kit (1 Set).	3 Years Comprehensive	

DETAILS LAB BID

S.N.	Instrument Name	Qty	Mandatory Technical Specifications & Methodology	Mandatory Accessories & Startup Kit Included	Warranty Required	Vendor Compliance & Offered Make/Model
6	Urine Analyser (Multi-Strip Reader)	1 Set	Reflectance photometry urine strip reader capable of analyzing 10-14 parameter urine test strips (pH, Protein, Glucose, Ketones, Bilirubin, Blood, Leukocytes, etc.) with automated calibration, touchscreen, and built-in thermal printer.	Initial batch of urine reagent strips (100 strips/bottle).	3 Years Comprehensive	
7	ESR Analyser	1 Set	Automated or optical infrared sensor-based erythrocyte sedimentation rate analyzer providing Westergren-correlated results within 30 minutes, multi-position capacity, eliminating manual pipetting errors.	Start up kit with dedicated ESR collection tubes.	3 Years Comprehensive	
8	FIA Immunoassay Analyser	1 Set	Quantitative Fluorescence Immunoassay (FIA) desktop analyzer utilizing time-resolved fluorescence technology for rapid and accurate cardiac markers (Troponin-I, NT-proBNP), inflammatory markers (CRP, D-Dimer, Procalcitonin), RA Factor, thyroid hormones (TSH, T3, T4), HbA1c, and fertility tests.	Built-in timer and thermal printer; startup assay cartridges.	3 Years Comprehensive	

DETAILS LAB BID

S.N.	Instrument Name	Qty	Mandatory Technical Specifications & Methodology	Mandatory Accessories & Startup Kit Included	Warranty Required	Vendor Compliance & Offered Make/Model
9	Blood Gas Analyzer (ABG)	1 Set	Compact critical care analyzer measuring pH, pCO2, pO2, electrolytes, and metabolites from heparinized whole blood syringe samples with automated calibration packs and rapid turnaround time (under 60 seconds).	Standard accessories, calibration pack, and electrode startup set.	3 Years Comprehensive	
10	Centrifuge with Rotor	1 Set	Benchtop clinical centrifuge with digital rpm/RCF display, timer, imbalance detection safety switch, brushless induction motor, and swing-out / angle rotor suitable for blood sample tube separation (up to 4000 rpm).	Standard tube adapters and rotor.	3 Years Comprehensive	
11	Binocular Lab Microscope	1 Set	Achromatic binocular microscope with Siedentopf head, coaxial coarse and fine focusing, mechanical stage, LED illumination with brightness control, and 4x, 10x, 40x, and 100x (oil immersion) infinity-corrected objectives.	Dust cover, immersion oil bottle, spare fuse.	3 Years Comprehensive	

DETAILS LAB BID

S.N.	Instrument Name	Qty	Mandatory Technical Specifications & Methodology	Mandatory Accessories & Startup Kit Included	Warranty Required	Vendor Compliance & Offered Make/Model
12	Phlebotomy Chairs & Collection Trays	1 Set	Ergonomic blood collection chair with adjustable armrests and robust steel frame, paired with multi-compartment portable phlebotomy collection trays for tubes, needles, and antiseptics.	Complete assembly and padding.	3 Years Comprehensive	
13	Complementary Accessories & Glassware	1 Lot	Complete laboratory support kit including adjustable micro-pipettes (single and multi-channel), pipette aids, autoclavable test tube racks, reagent storage boxes, borosilicate laboratory glassware, volumetric flasks, and measuring cylinders.	Full accessory lot as specified.	Standard Warranty	

DETAILS LAB BID

sr no	REAGENT	KITSIZE/ PACK	PRICE (INCU	CPT (INR)
1	Complete Blood Count (CBC + 5-Part Diff)			
2	Hemoglobin (Hb) / TLC / DLC / Platelets			
3	Total Bilirubin/DIRECT/INDIRECT			
6	SGOT (AST) / SGPT (ALT)			
7	Alkaline Phosphatase (ALP)			
8	Total Protein & Albumin			
9	Random / Fasting Blood Sugar (FBS / RBS)			
10	Serum Urea & Blood Urea Nitrogen (BUN)			
11	Serum Creatinine			
12	Serum Uric Acid			
13	Lipid Profile (Total Cholesterol, Triglycerides,			
14	HbA1c (Glycated Hemoglobin)			
15	Prothrombin Time (PT / INR)			
16	APTT (Activated Partial Thromboplastin			
17	Electrolytes (Na+, K+, Cl-)			
18	C-Reactive Protein (CRP - Quantitative)			
19	Rheumatoid Factor (RA Factor -			
20	D-Dimer Quantitative Assay			
21	Thyroid Profile (TSH, T3, T4)			
22	Cardiac Marker (Troponin-I)			
23	Urine Routine & Microscopy (Strip Reader)			
24	ESR (Erythrocyte Sedimentation Rate)			
25	Blood Gas Analysis (ABG Panel - pH, pCO2, pO2, HCO3)			

DETAILS LAB BID

Clause Ref.	Category / Service Parameter	Hospital Tender Terms & Mandatory Conditions
C-01	Warranty Period	All laboratory equipment shall carry a strict 3 (three) years comprehensive onsite warranty from the date of successful installation, testing, calibration, and clinical handover. Warranty must include all parts, labor, electronic boards, lasers, sensors, and breakdown visits.
C-02	Preventive Maintenance (PM)	During the 3-year warranty period, the vendor must conduct mandatory Preventive Maintenance visits at least once every 4 months (3 visits per year) totaling 9 scheduled PM visits, including calibration verification and issuance of calibration certificates.
C-03	Breakdown Response Time	Maximum permissible breakdown response time: (a) Telephonic / Remote support within 2 hours of complaint logging; (b) Engineer visit onsite within 24 to 48 hours for critical analyzers (Hematology, Biochemistry, ABG). Maximum equipment downtime shall not exceed 3 working days per occurrence.
C-04	Uptime Guarantee	The vendor must guarantee a minimum uptime of 95% per annum for all automated analyzers. If downtime exceeds 5% in a year, the warranty period shall be proportionately extended by twice the down-time duration, alongside financial penalties for delayed repairs.
C-05	Post-Warranty AMC / CMC	Bidders must quote their fixed annual rates for Post-Warranty Comprehensive Maintenance Contract (CMC - covering all spare parts and labor) and Non-Comprehensive AMC (labor and PM visits only) for Years 4 and 5 in their commercial bid.

DETAILS LAB BID

Clause Ref.	Category / Service Parameter	Hospital Tender Terms & Mandatory Conditions
C-06	Installation & Site Preparation	Turnkey site readiness guidance (electrical load, earthing requirements < 2 ohms, temperature/humidity control, RO-DI water supply, and drainage) shall be provided by the vendor within 7 days of issuing the Purchase Order. Final installation and calibration shall be completed within 15 days of equipment delivery at Bhuj.
C-07	Staff Training & Handover	The vendor shall provide comprehensive onsite operational, maintenance, and troubleshooting training for hospital laboratory technicians and pathologists during installation, followed by refresher training sessions at 6 months and 12 months. Training completion certificates must be issued.
C-08	Reagent & Consumable Price Freeze	Prices of all mandatory reagents, calibrators, controls, and disposable consumables quoted in Annexure B must remain firm and fixed for a minimum period of 3 (three) years from the date of agreement signing, with a capped escalation not exceeding 5% per annum thereafter.
C-09	Acceptance & Quality Calibration	Final acceptance and sign-off shall be granted by Shifa Hospital only after successful run of third-party quality control (QC) controls, calibration verification, method correlation studies, and 7 days of error-free continuous clinical operation.

TENDER PROFORMA: MODULAR OPERATION THEATRE (OT) TURNKEY PROJECT
Room Dimension: 23' x 24' x 10' (Approx. 552 sqft floor area)

S.N.	Item Code / Category	Fixed Item Description & Technical Specifications	Qty	Offered Make / Model	Basic Rate (INR)	GST (%)	Total Price (INR)
1	MOT-01	Air Handling Unit (AHU) & Refrigeration System: Double skin AHU with thermal break profile, ~5,000 to 5,500 CFM airflow, pre-filters (10 micron), micro-V filters (3 micron), and HEPA H14 filters (99.997%), coupled with 11 TR Ducted Split / VRF Compressor Condensing Units (Daikin/Carrier/Blue Star make).	1 Set				
2	MOT-02	Laminar Air Flow (LAF) Plenum: Minimum 8' x 6' stainless steel (SS-304) ceiling-suspended plenum box housing HEPA H14 filters to maintain unidirectional aseptic airflow over the surgical table.	1 Set				
3	MOT-03	HVAC Control & Automation Panel: Microprocessor-based digital control panel featuring Variable Frequency Drive (VFD), temperature controller, and relative humidity (RH) sensor readout to maintain strict positive pressure and climate control.	1 Set				
4	MOT-04	Ducting & Insulation Package: Galvanized Iron (GI) sheet ducting (22/24 SWG) insulated with 19mm closed-cell XLPE insulation, canvas connections, fire-damper, and supply/return air grilles with volume control dampers (~1,400 sqft layout).	1 Job				
5	MOT-05	Refrigerant Piping & Drainage: High-grade copper refrigerant piping with insulation (up to 40 meters run connecting AHU to outdoor condensing units) plus condensate drain piping.	1 Job				

TENDER PROFORMA: MODULAR OPERATION THEATRE (OT) TURNKEY PROJECT
Room Dimension: 23' x 24' x 10' (Approx. 552 sqft floor area)

S.N.	Item Code / Category	Fixed Item Description & Technical Specifications	Qty	Offered Make / Model	Basic Rate (INR)	GST (%)	Total Price (INR)
6	MOT-06	Modular Wall Panels: Pre-Coated Galvanized Iron (PCGI) sandwich panels (50mm / 80mm thickness, 0.6mm skin, high-density PUF insulation ~40 kg/m³, flushed joint installation, approx. 930 sqft).	1 Job				
7	MOT-07	Modular Ceiling Panels: 50mm PCGI ceiling sandwich panels with structural threaded-rod hangers, walkability support, and integrated light/HEPA cutouts (approx. 550 sqft).	1 Job				
8	MOT-08	Aseptic Cove Profiles: Aluminium concave cove profiles for all wall-to-wall, wall-to-ceiling, and wall-to-floor junctions to ensure seamless, dust-free sterile cleaning.	1 Job				
9	MOT-09	Hermetically Sealed OT Door: Single or double leaf sliding/swing hermetically sealed door with heavy-duty acoustic and airtight rubber gasketing, view window, and foot/sensor switch operation.	1 Set				
10	MOT-10	Antistatic ESD Vinyl Flooring: 2mm homogeneous antistatic (ESD) vinyl flooring with copper strip grounding grid and chemical welding rods (Gerflor or equivalent approved make, approx. 600-660 sqft).	1 Job				
11	MOT-11	Cleanroom Lighting Fixtures: Recessed, IP54 dust and moisture proof LED cleanroom light fixtures (set of 8-10 fixtures with dimmable/soft white medical illumination).	1 Set				

TENDER PROFORMA: MODULAR OPERATION THEATRE (OT) TURNKEY PROJECT
Room Dimension: 23' x 24' x 10' (Approx. 552 sqft floor area)

S.N.	Item Code / Category	Fixed Item Description & Technical Specifications	Qty	Offered Make / Model	Basic Rate (INR)	GST (%)	Total Price (INR)
12	MOT-12	X-Ray View Box: LED 2-plate medical grade dimmable X-ray viewing screen flush-mounted on wall.	1 Set				
13	MOT-13	Surgeon Write-Up Board & Instrument Cupboard: Stainless steel flush-mounted writing board and pass-through instrument storage cabinet.	1 Set				
15	MOT-14	Turnkey Freight & Logistics: Safe packaging, transit insurance, and F.O.R. delivery to hospital site in Bhuj, Gujarat.	1 Job				
16	MOT-16	NABH Commissioning & Validation: Professional testing and certification report including HEPA integrity (PAO/DOP) test, particle count, air change rate, and positive pressure balancing.	1 Job				
		TOTAL MODULAR OT PACKAGE PRICE (F.O.R. DESTINATION BHUJ)	Total				
OPT	WARRANTY & AMC	Post-Warranty Annual Maintenance Contract (AMC) / Comprehensive Maintenance Contract (CMC) for HVAC and Modular Cleanroom works	3 Yrs				