AMENDMENT NO.1 Dated 31.07.2018

Ref No: HLL/SD/RBD/2018-19/05 Dt: 10.07.2018

<u>Tender Title: Tender Document for Supply of Hospital Consumables for Foreign</u> <u>Projects</u>

1. Last date of sale, submission of bids

FOR

Last date for sale of bidding Document: 01.08.2018, 10.00 hrs

Last date and time for Receipt of bids: 01.08.2018, 14.30 hrs

MAY BE READ AS

Last date for sale of bidding Document: 09.08.2018, 14.30 hrs

Last date and time for Receipt of bids: 09.08.2018, 14.30 hrs

2. Date of Bid opening

FOR

Time and date of opening of bids: 01.08.2018, 15.00 hrs

MAY BE READ AS

Time and date of opening of bids: 09.08.2018, 15.00 hrs

2. Page 25 - Typo Error

FOR

TECHNIOCAL SPECIFICATION

MAY BE READ US

TECHNICAL SPECIFICATION

3. The Annexure-5, product list along with technical specification(Page number 21-58) in the initial tender document stands deleted. The Annexure-5, product list along with technical specification (Page number 21-58) of the initial tender document is amended and shall be read as given below.

Annexure-5

<u>Product List along with Technical Specification</u> <u>Schedule – 1</u>

| Sr. No. | Item | Qty |
|---------|---|--------|
| 1 | Gonad Lead Shield | 100 |
| 2 | Cervical Shield (Thyroid Shield) | 100 |
| 3 | Protective Mobile Lead Shield | 50 |
| 4 | Hospital Beds, Mattresses, side lockers | 250 |
| 5 | Wheel Chairs | 506 |
| 6 | Syringe Infusion Pumps | 100 |
| 7 | 5 Point Thermoplastic Masks for Radiotherapy with base Plates | 1000 |
| 8 | Delivery Beds | 4 |
| 9 | Trolleys (Medicines) | 5 |
| 10 | Patient Trolleys | 6 |
| 11 | Under Water Seal Drainage | 3 |
| 12 | Weighing Scale | 5 |
| 13 | Diagnostic Set | 2 |
| 14 | Stethoscopes | 99 |
| 15 | Resuscitation Equipment | 2 sets |
| 16 | Electric BP Machine | 10 |
| 17 | Trays with lids (Square) | 5 |
| 18 | Screen Frames | 156 |
| 19 | Wool carries | 2 |
| | 1 | |

| 20 | Wool carries (head) | 4 |
|----|--|-----|
| 21 | ENT Examination headlight | 5 |
| 22 | ENT Examination Chair | 2 |
| 23 | ENT Examination tool for doctors | 2 |
| 24 | Nebulizers | 42 |
| 25 | Fetoscope doppler | 32 |
| 26 | Ophthalmoscope | 32 |
| 27 | Microscopes | 2 |
| 28 | Suction unit | 1 |
| 29 | Ultrasonic scaler With 10small/sharp tip | 1 |
| 30 | Curing light | 1 |
| 31 | Examination Couch | 23 |
| 32 | Emergency Patient Trolley | 3 |
| 33 | Spot Light LED Mobile | 112 |
| 34 | Weighing Machine: Digital | 51 |
| 35 | Digital THERMOMETER | 332 |
| 36 | Electronic Baby Weighing Machine | 8 |
| 37 | Patient trolley | 2 |
| 38 | Digital/Fridge Thermometer | 5 |
| 39 | Digital Height weight measuring System | 9 |
| 40 | X ray Viewing Box | 1 |
| 41 | BP Machine (Aneroid Sphygmomanometer) | 5 |
| 42 | Dressing trolley | 83 |
| 43 | Injection Trolley | 2 |

| 44 | Wright's peak flow meter | 1 |
|----|---|------|
| 45 | Medicine Trolley | 12 |
| 46 | Baby Couch/Paediatric Bed | 32 |
| 47 | Trolley Two selves (Instrument trolley) | 121 |
| 48 | Emergency Trolley/ crash Cart Trolley | 108 |
| 49 | Lithotomy Bed with stirrup | 8 |
| 50 | Adjustable stool Adjustable with back support | 2 |
| 51 | Aluminium tray | 2 |
| 52 | Baby scales | 4 |
| 53 | C arm cover | 1000 |
| 54 | Camera cord cover | 1000 |
| 55 | Chairs (for patients) | 30 |
| 56 | Chairs (for staff) | 15 |
| 57 | Cotton swap canisters | 52 |
| 58 | Delivery kit | 3000 |
| 59 | Dental nurse chair | 1 |
| 60 | Doctor's chair | 1 |
| 61 | Dressing trays | 5 |
| 62 | Emergency Medicine trolleys | 9 |
| 63 | Foot stands | 3 |
| 64 | Gallipots (Small/Medium/Large) | 281 |
| 65 | Height and weight Baby scales | |
| 66 | Height scales | 19 |
| 67 | HIV Kit | 1500 |

| 68 | IV stands | 20 |
|----|---|------|
| 69 | Kick about with bucket With Stands | 27 |
| 70 | Muac tape | 94 |
| 71 | Waste bins Pedal operated 10Ltr steel | 374 |
| 72 | Pen torch | 13 |
| 73 | Sharp container | 150 |
| 74 | Tape measure | 81 |
| 75 | Uterine sounds Steel | 229 |
| 76 | Vaccine containers | 4 |
| 77 | Waste bin (20 L) Pedal operated steel | 17 |
| 78 | Adhesive aperture drape | 2500 |
| 79 | Adhesive edge drape | 2500 |
| 80 | Adjustable lab | 1 |
| 81 | Aluce forceps | 5 |
| 82 | Aluminium walker | 5 |
| 83 | Artery dish Steel | 10 |
| 84 | Artery forceps | 338 |
| 85 | Bed Sheet Disposable | 4000 |
| 86 | Catherization drape | 1500 |
| 87 | Corqulads elevators 100% stainless steel | 10 |
| 88 | Cowhorn forceps small buks (horns) 100% stainless steel | 3 |
| 89 | Crier elevator T- shaped left | 5 |
| 90 | Cryers elevators Large - L + R | 5 |
| 91 | Cryers elevators Medium - L + R | 5 |

| 92 | Cryers elevators Small - L + R | 5 |
|-----|--|------|
| 93 | Dental syringe stainless steel | 20 |
| 94 | Digital thermometers | 95 |
| 95 | Drapes | 160 |
| 96 | Dressing trolley | 11 |
| 97 | Ear bulb syringe | 5 |
| 98 | Fetoscope Plastic | 9 |
| 99 | Forceps all types | 20 |
| 100 | Gestational wheel (plastic laminated) | 35 |
| 101 | Injection trolley | 1 |
| 102 | Instrument holder Steel | 3 |
| 103 | Kidney basins | 220 |
| 104 | Kim wipes with stand | 2 |
| 105 | Lap Drape | 4000 |
| 106 | Large speculum | 2 |
| 107 | Lower teeth extracting forceps 100% stainless steel set Large incisors | 10 |
| 108 | Lower teeth extracting forceps 100% stainless steel set Large molars | 10 |
| 109 | Lower teeth extracting forceps 100% stainless steel set Large premolars | 10 |
| 110 | Lower teeth extracting forceps 100% stainless steel set Medium incisors | 10 |
| 111 | Lower teeth extracting forceps 100% stainless steel set Medium molars | 10 |
| 112 | Lower teeth extracting forceps 100% stainless steel set Medium premolars | 10 |
| 113 | Lower teeth extracting forceps 100% stainless steel set Small incisors | 10 |

| 114 | Lower teeth extracting forceps 100% stainless steel set Small molars | 10 |
|-----|---|------|
| 115 | Lower teeth extracting forceps 100% stainless steel set Small premolars | 10 |
| 116 | Male urinary bedpans Plastic | 6 |
| 117 | Medium | 80 |
| 118 | Multipurpose drape | 2000 |
| 119 | Needle holder | 60 |
| 120 | Paediatric scales | 9 |
| 121 | Patient gown | 3000 |
| 122 | Pen holder | 32 |
| 123 | Picking forceps | 320 |
| 124 | Pill trays Plastic | 20 |
| 125 | Plain sheet LDPE | 4000 |
| 126 | Protection apron LDPE | 2000 |
| 127 | Roots forceps lower teeth 100% stainless steel | 5 |
| 128 | Roots forceps upper teeth - molar (small size) 100% stainless steel | 5 |
| 129 | Roots forceps upper teeth 100% stainless steel | 5 |
| 130 | Scale with height | 26 |
| 131 | scaler | 1 |
| 132 | Scissors SS | 99 |
| 133 | Scissors Bandage suture scissor | 15 |
| 134 | Scissors Tissue cord scissor | 15 |
| 135 | Speculums (Steel) Large | 738 |
| 136 | Sponge holding cells | 24 |

| 137 | Sponge holding forceps | 87 |
|-----|--|------|
| 138 | Spot light lamp | 50 |
| 139 | Stainless steel mouth mirror handle | 50 |
| 140 | Stainless steel mouth mirror head | 20 |
| 141 | Step stool Steel | 6 |
| 142 | Steps | 7 |
| 143 | Straight forceps | 26 |
| 144 | Surgical blade holder | 14 |
| 145 | Surgical gown | 4000 |
| 146 | Suture forceps | 10 |
| 147 | Suture scissors Small | 10 |
| 148 | Teneculum | 64 |
| 149 | Teneculum Steel | 136 |
| 150 | Theatre knife | 10 |
| 151 | Thumb forceps Steel | 25 |
| 152 | Tidy wipe holders | 52 |
| 153 | Tweezer locking | 20 |
| 154 | Under Buttock drape | 600 |
| 155 | Universal set | 1500 |
| 156 | Upper teeth extracting forceps 100% stainless steel set Large incisors | 10 |
| 157 | Upper teeth extracting forceps 100% stainless steel set Large molars (10L+R) | |
| 158 | Upper teeth extracting forceps 100% stainless steel set Large premolars | 10 |
| 159 | Upper teeth extracting forceps 100% stainless steel set Medium | 10 |

| | incisors | |
|-----|---|----|
| 160 | Upper teeth extracting forceps 100% stainless steel set Medium molars (10L+R) | 10 |
| 161 | Upper teeth extracting forceps 100% stainless steel set Medium premolars | 10 |
| 162 | Upper teeth extracting forceps 100% stainless steel set Small incisors | 10 |
| 163 | Upper teeth extracting forceps 100% stainless steel set Small molars (10L+R) | 10 |
| 164 | Upper teeth extracting forceps 100% stainless steel set Small premolars | 10 |
| 165 | Height board wooden | 2 |

TECHNICAL SPECIFICATION

1. GONAD SHIELD

The Gonad Shield should be 1.0 mm Pb Lead equivalence for Adults

2. CERVICAL COLLER

- a. Standard weight lead offering 0.5 mm Pb equivalent front protection around neck.
- b. One size fits all model.
- c. High quality Velcro patch for wearing.

3. PROTECTIVE MOBILE LEAD SHIELD

- The offered Protection Screen should be Mobile with Lead Lined 183cmx91.5cm (6'x3') Single
- Panel with Shutter Type with no need of lead glass

4. HOSPITAL BED, MATTRESSES & SIDE LOCKERS

DESCRIPTION:

HOSPITAL BED

- The offered Bed should be Intensive Care Unit Mechanical Bed with Heavy ABS Head and Foot Panel with locking and corner guards
- Size of the Bed should be 2180 L × 940 W × 470-700 H mm

FEATURES:

- It should have Urine Bag Holder and S.S telescopic I.V. Rod
- Frame work should be M.S. Tubes
- Top Material should be Four sections made of oval perforated CRCA M.S. Sheet
- Castors Size should be 5"castors
- Braking system should consists of two Castors with Brakes

- Body Frame Finish should be Pretreated & Epoxy Powder Coated
 - Positions obtained by Crank System with foldable handle should consists of :
 - Knee rest Elevation
 - Backrest Elevation
 - Hi-Low
 - Trendelenburg/ Reverse Trendelenburg
- Head & Foot Panel should be ABS Moulded
- Side rails should be provided with ABS Moldings

MATTRESS FOR HOSPITAL BED

The Mattress for Hospital Bed should be 10 cms thick, 32 / 40 density foam mattress covered with Rexine closed with Zip at one End.

SIDELOCKERS WITH HOSPITAL BEDS

- Size: (16inchL x 16inchW x 32inchH) Framework: Mild Steel, 18-20 gauges, Epoxy Powder Coated antirust type, with minimum thickness at least 60 micron.
- Stainless Steel Top of bed aside locker Made with Stainless Steel Sheet of with thickness 18 gauge, 304 qualities.
- Top with three sides raise edges (Top edge of the raised edges should be bent and pressed to 180 degree to prevent sharp edge)one storage Compartment and One Drawer.
- The outside diameter of the legs of the locker should be 35-40 mm and thickness of 1.20-1.50 mm.
- One Small Drawer under the Top of bed side locker To Keep Small Things for the User and storage compartment on the Lower Side of the Unit, With the Door.
- Shoes made from hard rubber of uniform texture and chemically inactive to the action of mild acids.

5. WHEEL CHAIR

- Dimensions :- Width 660-665 mm
- Depth 1075-1100 mm
- Height 935-950 mm
- Seat and Back:- Seat size 450 mm X 450 mm X 50 mm thick and back size 450mm X 250mm X 25 mm thick Rubber foam seat ISI marked 1741-1960 with groove, or P.U. foam of same size and thickness of 32 density should be provided with RexinePolynoval/ National.
- Thickness of Rexine0.6-0.7 mm or above should be provided on 12mm thick ply and back seat should be fixed with 2 Nos. M.S. Flat 25 X 5mm thick to be welded with ERW pipe for giving support on back side of seat as a secured.
- Arms: Two numbers arms duly polished shall be made from seasoned hard hillock wood/Shisham/Babool and fixed to the tubular arm securely with screw which should not be projected out or injected molded from black polypropylene which should be fixed securely with screws.
- Wheels: Two numbers plug type swivel castor zinc plated wheel size: 100X32mm (4"X1 1/4") having load capacity 75 kg each should fitted with bottom end of the up-right should be welded with additional outer pipe to hold the caster firmly.
- Wheel shall be made of semi round rubber hardness 85-90, pressed fitted over the virgin polyamide pulley. The wheel shall have two number ball bearing/single roller bearing alongwith sleeve and 3/8" nut and bolt.
- Cap of 20SWG (Plastic) should be provided on both sides to prevent dust. The pressed steel double thrust ball bearing type form should be 12SWG (minimum) mild steel sheet.

- The length of 32-35mm dia mild steel plug should be approximately 50 mm including collar. It should have 1/4" hole for side set screw.
- Cycle Rim :- Tow number bicycle rim with axle and hub size 26" X 1 1/2", with 40 Nos spoke with sold rubber tire should be provided on rim and M.S. flat 25 X 6 mm thick to be provided to support the axle rime as a safe guard.
- Both Side of wheel chair self-propelling chrome plated, hand hoops two handle with proper hand grip should be provided.
- Frame:-Framework of ERW pipe 25-27mm X 1-2 mm thick and 19 mm X 1-2 mm thick ERW pipe for crossing. Side panel of 1-2 mm CRCA Sheet should be used.
- Foot Rest: Two numbers folding aluminum casting footrest should be provided 125mm above the floor level.
- Welding: The mild steel welding should be done by the MIG welding.
- Finishing: All steel components should be thoroughly pre-treated chemically in 6-8tank system. The treated metal surface should be powder-coated paint. The thickness of paint not less than 60 microns and oven baked paint.
- The manufacturer should be ISO certified /or the product should be ISI marked

6. SYRINGE INFUSION PUMP

Equipment Specifications for Syringe Infusion pump

1. Description of Function

1.1 The Syringe Infusion Pump provides uniform flow of fluid by precisely driving the plunger of a syringe down its barrel. It provides accurate and continuous flow rate for precise delivery of I.V. medication in critical medical care.

2. Operational Requirements

2.1 The syringe pump should be programmable, user friendly, safe to use and should have battery backup and comprehensive alarm system.

3. Technical Specifications

3.1 Flow rate programmable from 0.1 to 200 ml/hr or more in steps of 0.1 ml/hr with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.

3.2 Bolus rate should be programmable to 400 - 500 ml/hr or more with infused volume display. Reminder audio after every 0.5 ml delivered bolus. SAVE last Bolus rate even when the AC power is switched OFF.

3.3 Display of Drug Name with a provision of memorizing MINIMUM 15 names by the operator

3.4 Keep Vein Open (KVO) must be available 1.0 ml/hr or set rate if lower than 1.0 ml. User should have choice to disable KVO whenever desired.

3.5 Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg

3.6 Must Work on commonly available ISI/CE/FDA APPROVED/CERTIFIED 5, 10, 20, 50/60 ml Syringes with accuracy of minimum of +/-2% or better.

3.7 Automatic detection of syringe size & proper fixing. Must provide alarm for wrong loading of syringe such as flanges out of slot; disengaged plunger, unsecured barrel etc.

3.8 Anti bolus system to reduce pressure on sudden release of occlusion

3.9 Should have comprehensive alarm package including: Occlusion limit exceed alarm, Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, KVO rate flow, Low battery pre alarm and alarm, AC power failure, Drive disengaged and preventive maintenance.

3.10 Rechargeable Battery having at least 5~6 hour backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.

4. System Configuration Accessories, spares and Hospital Consumables

4.1 Syringe Infusion Pump –01

4.2 Mounting device/ Docking Station for two or four pumps as per requirement to enable to power up to 2-4 pumps with one power cord when mounted on IV pole. -01

5. Environmental factors

5.1 Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

5.2 The unit shall be capable of operating continuously in ambient Temperature of 10 -40deg C and relative humidity of 15-90%

Power Supply

6.1 Power input to be 220-240VAC, 50Hz

7. Standards, Safety and Training

7.1 Should be CE approved product

7.2 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements

7.3 Manufacturer should be ISO certified for quality standards.

7.4 Certified for meting IEC60601-2-24: Particular requirements for the safety of infusion pumps and controllers

7.5 Should meet IEC 529 Level 3 (IP3X) (spraying water) for enclosure protection, water ingress. **7.6** Electrical Safety Classification Class I/II, Type CF and Internally powered equipment.

7.7 Certified for meeting IEC 60601-1-4 Medical electrical equipment -Part 1- 4: General requirements for safety - Collateral Standard: Programmable electrical medical systems

8. Documentation

8.1 Certificate of calibration and inspection from factory.

8.2 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.

8.3 User Manual in English

8.4 Service manual in English

8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

8.6 List of important spare parts and accessories with their part number and costing.

7. 5POINT THERMOPLASTIC MASKS FOR RADIOTHERAPY WITH BASE PLATES

- 1. 5-Point Head, Neck & Shoulder Mask with compatible base plate required to conveniently and firmly arrest the desired area.
- 2. Carbon Fibre Head & Neck Base Plate with 5 Fixation Clamp
- 3. Mask Dimensions: 2.4mm thick, and shape size: 44.5cm×40cm; 36% and 22% perforated (Not specific, for reference only)
- 4. Softening Temperature: Should be low temperature moulding 60-70°C
- 5. Should turn transparent when softened.
- 6. Malleability Time: 2-3 mins
- 7. Hardening Time: 5-10 mins
- 8. Should not overstretch when moulding.
- 9. Should have Non-Stick coating on the surface to prevent sticking to patient's hair and skin.
- 10. Should not release toxic fumes while heating
- 11. Should have high reusability
- 12. Should be made of environment friendly material degradable in soil through biological decomposition.
- 13. Should be provided with compatible base plates.

14. Digital Water Bath System (one number) vendor should provide digital water bath system which should have minimum inner dimensions of 700 mm x 700 mm x 110 mm with water drainage facility and digital temperature display.

8. DELIVERY BED

DESCRIPTION:

- The bed should have overall size: 1880L X 660W X 600-800H cms
- It should have the tubular frame work mounted on 125mm dia central locking castor
- It should have three section top made of Bakelite sheet covered with mattress
- Trendlenburg/Reverse Trendlenburg positions adjustments through high quality hydraulic pump
- Height adjustment through high quality hydraulic pump
- It should have back section adjustment through racnk mechanism
- Leg end section can slide under the main section
- It should have height adjustable a pair of foam padded knee crutches
- It should have SS Telescopic IV Rod with hooks
- Detachable S.S tray
 - ABS Head Panel

9. WHEEL CHAIR

- Dimensions :- Width 660-665 mm
- Depth 1075-1100 mm
- Height 935-950 mm
- Seat and Back:- Seat size 450 mm X 450 mm X 50 mm thick and back size 450mm X 250mm X 25 mm thick Rubber foam seat ISI marked 1741-1960 with groove, or P.U. foam of same size and thickness of 32 density should be provided with RexinePolynoval/ National.
- Thickness of Rexine0.6-0.7 mm or above should be provided on 12mm thick ply and back seat should be fixed with 2 Nos. M.S. Flat 25 X 5mm thick to be welded with ERW pipe for giving support on back side of seat as a secured.
- Arms: Two numbers arms duly polished shall be made from seasoned hard hillock wood/Shisham/Babool and fixed to the tubular arm securely with screw which should not be projected out or injected molded from black polypropylene which should be fixed securely with screws.
- Wheels: Two numbers plug type swivel castor zinc plated wheel size: 100X32mm (4"X1 1/4") having load capacity 75 kg each should fitted with bottom end of the up-right should be welded with additional outer pipe to hold the caster firmly.
- Wheel shall be made of semi round rubber hardness 85-90, pressed fitted over the virgin polyamide pulley. The wheel shall have two number ball bearing/single roller bearing alongwith sleeve and 3/8" nut and bolt.
- Cap of 20SWG (Plastic) should be provided on both sides to prevent dust. The pressed steel double thrust ball bearing type form should be 12SWG (minimum) mild steel sheet.
- The length of 32-35mm dia mild steel plug should be approximately 50 mm including collar. It should have 1/4" hole for side set screw.
- Cycle Rim :- Tow number bicycle rim with axle and hub size 26" X 1 1/2", with 40 Nos spoke with sold rubber tire should be provided on rim and M.S. flat 25 X 6 mm thick to be

provided to support the axle rime as a safe guard.

- Both Side of wheel chair self-propelling chrome plated, hand hoops two handle with proper hand grip should be provided.
- Frame:-Framework of ERW pipe 25-27mm X 1-2 mm thick and 19 mm X 1-2 mm thick ERW pipe for crossing. Side panel of 1-2 mm CRCA Sheet should be used.
- Foot Rest: Two numbers folding aluminum casting footrest should be provided 125mm above the floor level.
- Welding: The mild steel welding should be done by the MIG welding.
- Finishing: All steel components should be thoroughly pre-treated chemically in 6-8tank system. The treated metal surface should be powder-coated paint. The thickness of paint not less than 60 microns and oven baked paint.
- Color: T.A. Grey/Cream Color.
- The manufacturer should be ISO certified /or the product should be ISI marked
- -

10. PATIENT TROLLEY

DESCRIPTION:

- The offered trolley should have Overall approx dimensions 210L x 65W cms
- It should have two section top with removable X-Ray permeable stretcher, made of prelaminated board supported on tubular frame.
- Height should be adjusted by foot operated imported hydraulic pump from 65-95 cm
- Gas spring assisted Trendlenburg /Reverse Trendlenburg positions.
- Backrest should be raised on ratchet
- It should have Four Swivel castors. 5" dia, two with brake
- Synthetic rubber covered pushing handles should be provided
- It should have Sliding X-Ray cassette holder
- It should be provided with Oxygen cylinder cage & storage tray
- S.S.I.V Rod along with provision at four locations and swing away type stainless steel side rails.
- Pre-Treated & Epoxy Powder Coated finish is to be provided
- It should be supplied with mattress

11. UNDER WATER SEAL DRAINAGE

Large, easy-to-grab handle and flexi-hangers allow the drain to be hung bedside from a single point

High negative and positive pressure relief valves for patient protection

Large, easy-to-read graphics provide fast, accurate drainage assessment

Removable slide clamp

In-line connector with needleless access sampling port

Familiar wet suction operating system

Suction control stopcock for easy adjustment of water bubbling

Internal knock-over nozzles minimize inter-chamber spills

Universal water seal technology with air leak monitor for patient air leak trending

Easy to read graduation Clearly marked initial level Separate suction port is provided to connect with the suction unit. Kink resistant large bore tubing Provided with metal hangers & floor stand.

Extra large connector to facilitate easy connection to the catheter. Double chamber compact unit of 2 litre capacity. Reference Model company : Atrium ATS Bag Compatible, Suction Control Stopcock: Quantity 6 Suction Control Stopcock, No In-Line Connector: Quantity 6 Standard System – Pre-packaged Water: Quantity 6

12. WEIGHING SCALE

- High Precision mechanism with the unique weighing system
- Should have large view, scratch resistant lens
- Powder Coated with ABC plastic top cover
- Should have MS Steel Body Max Capacity should be 130kg or more
- Dimensions should be around 26x26x5 cm
- Manufacturer should be ISO certified

13. DIAGNOSTIC SET

14. STETHOSCOPES

- Stainless steel chest piece.
- Non chill diaphragm and retaining ring.
- Non chill lining for the bell.
- Soft sealing ear tips
- Head set anodized aluminum or stainless steel.
- Tube length 20 to 30 inches
- Epoxy fiber glass diaphragm is desirable.
- Diaphragm diameter is an inch to 1.5 Inch High quality buffed stainless steel snap tight
- ear tubes
- Poly vinyl chloride double lumen tubing around 76 cms in length.
- Soft sealing ear tips.
- Should bear ISI mark/ CE compliant/ FDA approved

15. <u>RESUSCITATION EQUIPMENT</u>

| S. No | Description |
|-------|--|
| Α | Self inflating Bags 250 ml |
| | Technical Specifications |
| 1 | Self inflating bag |
| 2 | Silicone made |
| 3 | Provided with open ended reservoir |
| 4 | Patient valves pliable, well sealed, have minimum dead space and no forward or backward leaks |
| 5 | The bag should have an oxygen inlet which fits into the standard oxygen tubing both from a cylinder and central supply |
| 6 | Round shaped, cushioned face masks should be transparent, fit the patient outlet easily and have minimum dead space. |
| 7 | The system should withstand washing, scrubbing and autoclaving procedures |
| 8 | Face masks : sizes i.e. 00,0: 3 set with each bag. |
| 9 | European CE/ US FDA Certification should be provided |

| В | Self inflating Bags 500 ml |
|----|--|
| | Technical Specifications |
| 1 | Self inflating bag |
| 2 | Silicone made |
| 3 | Provided with open ended reservoir |
| 4 | Patient valves pliable, well sealed, have minimum dead space and no forward or backward leaks |
| 5 | The bag should have an oxygen inlet which fits into the standard oxygen tubing both from a cylinder and central supply |
| 6 | Round shaped, cushioned face masks should be transparent, fit the patient outlet easily and have minimum dead space. |
| 7 | The system should withstand washing, scrubbing and autoclaving procedures |
| 8 | Face masks : sizes i.e 0, 1: 3 set with each bag. |
| 9 | European CE/ US FDA Certification should be provided |
| С | Self inflating Bag 750ml |
| | Technical Specifications |
| 1 | Self inflating bag |
| 2 | Silicone made |
| 3 | Provided with open ended reservoir |
| 4 | Patient valves pliable, well sealed, have minimum dead space and no forward or backward leaks |
| 5 | The bag should have an oxygen inlet which fits into the standard oxygen tubing both from a cylinder and central supply |
| 6 | Round shaped, cushioned face masks should be transparent, fit the patient outlet easily and have minimum dead space. |
| 7 | The system should withstand washing, scrubbing and autoclaving procedures |
| 8 | Face masks : sizes i.e 1,2: 3 set with each bag. |
| 9 | European CE/ US FDA Certification should be provided |
| D | Laryngoscope with different size blades |
| | Technical Specifications |
| 1 | High quality corrosion resistant stainless steel blades(straight-miller) and body |
| 2 | LED Light source firmly fixed with blade |
| 3 | Blades size 00,0 and 1,2 (3 sets with each) |
| 5 | Should withstand chemical sterilization and autoclaving |
| 8 | Battery should hold charge for more than 2 Hr. |
| 9 | Should be CE/FDA/BIS approve product |
| SN | BOQ |
| 1 | Self inflating Bags 250 ml - 1 Set |
| 2 | Self inflating Bags 500 ml - 1 Set |
| 3 | Self inflating Bag 750ml - 1 Set |
| 4 | Laryngoscope with different size blades - 1 Set |

16. ELECTRIC BP MACHINE

- Display : LCD Digital Display
- Measurement Method : Oscillometric
- Measurement Range : Pressure: 0 to 299 mmHg
- Pulse: 40 to 180 beats/ min.
- Accuracy : Pressure: ±3 mmHg
- Pulse: ±5% of display reading
- Inflation : Fuzzy-logic controlled by electric pump
- Deflation : Automatic pressure release valve
- Memory : At least Last Measurement
- Power Source: 4 "AA" batteries 1.5V or AC adapter (optional, INPUT AC100-240V50/60Hz 0.12A) Cuff/ Tube Material: Nylon, polyester, polyvinyl chloride
- Different Cuff size: Pediatric, Adult, Obese

17. TRAYS WITH LIDS (SQUARE)

- Material SS 304.
- Square tray on LID to contain medicine and instruments.
- Size: 10"x 10 "Lid with central handle for easy opening and closure

18. SCREEN FRAMES

- Overall size: 1675-1680 mmH X 2440-2450 mm W. Middle section width of 1210-1220 mm W and sides of width 610 mm W.
- Middle section should be constructed in two pieces and joined together at the middle.
- Two Nos. bases should be double bent and welded to the main frame.
- Two side sections should be hinged with middle section one on each side.
- Middle section should be fitted with four 5 cmdia. swiveling/rolling castors, and both sides should be fitted with one 5 cmdia. swiveling/rolling castor each.
- Hooks should be welded to middle section as well as on both side sections at top and bottom and spring wire should be fixed on hooks to receive screens.
- The material used should be ERW steel tubes of 19.05 mm OD X 1.22 mm thickness with 2 Nos. base of 25-30 mm OD x 1.22 mm thickness.
- All components should be thoroughly pre-treated chemically in eight tank pretreatment system. The treated metal surface should then be coated with Epoxy Polyester Powder with paint film thickness of 50 microns or more and oven baked at 180 degree to 200 degree centigrade.
- Accessory: Curtain Cloth for Bedside Screen.
- The material of the curtains should be green in colour, opaque, light in weight, shrink resistant/preshrink, durable and suitable for frequent laundering.

19. WOOL CARRIES

20. WOOL CARRIES (HEAD)

21. ENT EXAMINATION HEADLIGHT

- Should be a head light source suitable for ENT OP.
- The reflector should be a multiple coated.
- Should have an adjustable and light weight head band.
- Should have a low voltage source with intensity control.
- Should work with input 200 to 240Vac 50 Hz supply

22. ENT EXAMINATION CHAIR

- Should be motorized and ergonomically designed examination and treatment chair facilitating the posture of both doctor and patient
- Heavy base casing
- All elements of chair should be anatomically shaped
- Seat should have motorized lifting device
- Seat should have height adjustment for children
- Integrated foot switch for easy adjustment of height
- Should have complete rotation 360 degree with locking device
- Should be comfortably padded and folded back for enabling easy sitting of overweight and handicapped patient
- Head rest-15cm with adjustable height.
- Backrest adjustable and can be made to incline 10 degree forward to vertical position and backward completely to a horizontal position and can be rolled back
- Movement of armrest and footrest should be synchronized with backrest movement
- Chair should confirm to CE mark
- Power supply:220-240Volts/ 50Hz

23. ENT EXAMINATION STOOL FOR DOCTORS

- Wide base, should have rolling casters for easy movement
- Should have back rest
- Easy height adjustment of hydraulic nature
- Comfortably cushioned seat

24 Nebulizer

1 Technical Specification

- 1.1 Should be light weight, portable, Compact and easy to use.
- 1.2 Frequency of ultrasonic generator should be greater than 2.5 MHz
- 1.3 Should have 3 speed nebulization rate control (minimum, medium, maximum)
- 1.4 Should have a nebulisation capacity of 0 to 3 ml/min.
- 1.5 Should produce Mist particle size :Approx 1-5 microns
- 1.6 Transducer element should have life of at least 5000 hours
- 1.7 Medication cup should have capacity of 5-50 ml
- 1.8 Should uses water as ultrasonic conduction medium, no gel is required.
- 1.9 Should provide silent operation.

1.10 Should have a built in timer and timer may be set for any desired point between zero and 30 minutes

- 1.1 Power supply input should be230V 50Hz
- 2 Acessories, Spares and Consumables
- 2.1 Should be provided with a complete nebulisation kit including adult and child mask and medication cup with each nebulizer.
- 3 Standards, Safety and Training
- 3.1 Should have the ISO certification and the copy of the same should be

enclosed along with the technical bid.

3.2 The quoted model should have FDA/CE/BIS certificate and copy of the same should be enclosed along with the technical bid.

4 Documentation

4.1 Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English

4.2 Certificate of calibration and inspection from factory.

4.3 Warranty & CMC as per tender terms.

4.4 Must submit at least 2 nos of latest purchase order of the quoted model dated within 1 year along with the price bid

25. Fetoscope Doppler

- Should be Compact, Pocket Type and Light Weight not more than 500 g.
- Large LCD Display for Display of Foetal Heart Rate.
- Back Light for Better Visibility
- Display Signal Quality, Low Battery, etc.,
- High sensitivity Doppler probe of frequency 2.0 MHz
- Ultra sound Intensity <10mw/cm2.
- Auto Shut Off Facility to save Battery Power
- Built-in Speaker with Output not less than 1.0W
- Should work on Rechargeable Batteries with Minimum Battery Time of 300 Minutes.
- Battery Charger and Spare set of Batteries AA type to be supplied.
- Volume Control Facility and Audio Output for Ear Phone should be available.
- Heart Rate Range should be from 50 to 240 bpm with accuracy of + /-2%
- Should be Water Proof Body.
- Should have Facility for FHR Data transfer to PC.
- Doppler Probe should be Light Weight with Holder Facility when not in use.
- Should be supplied with Carrying Case.
- Should have FDA Certification for International Quality Standard.

26. Ophthalmoscope

- 1. Should be rechargeable battery with Charger.
- 2. Should have halogen / LED light source
- 3. Should have red-free filters

4. Should have small and large spot sizes, fixation targets, slit aperture, hemispot and cobalt blue filter.

5. Should have wheel control with lens powers ranging from +20D to -35D in single dioptre steps up to 10D and 5D steps above that.

- 6. Should have illuminated lens dial.
- 7. Should have rubber brow rest.

8. Should have dust free optics and a spherical optical system.

9. Should be supplied with a carrying case.

10. If halogen lamp is used, then the following additional accessories should be supplied a. Bulb - 2 nos

27. Microscope

- 1. Built-in Transmitted light illumination with 6V 30W halogen lamp
- 2. External main power supply with electronic main control 220-240V.
- 3. Carrying handle built-into the stand.
- 4. Backward inclined (away from the operator) Quadruple revolving nosepiece with precision click stops.
- 5. Condenser with numerical aperture ~1.25 with built-in aperture diaphragm.
- 6. Slide Stage should have ball bearing specimen holder and should have right handed coaxial X and Y movement.
- 7. 360 degrees rotatable Binocular swiveling (upper & lower position)
- 8. Paired Eyepieces with 10x magnification, field of view 18mm and should be suitable for spectacle wearers.
- 9. High contrast Fully Plan Achromatic objectives, 4x/0.10, 10x/0.25, 40x/0.65 and 100x/1.25 oil.
- 10. Microscope should include daylight filter, immersion oil and dust cover.
- 11. The manufacturer should have ISO 9001, 14001, CE and CSA Certification

28. Suction Unit

1. It should have maintainence free piston/ cylinder technology with should be heat resistant with high-tech material for long lasting dependable operations.

2. It should have two autoclavable PSU (Polysulfone) jars of 3 liters with a change switch from one jar to another.

3. It should be noiseless and vibration free.

4. It should have high flow of at least sixty liters per minute with -95kPa (-713mmHg).

5. It should have provision of variable flow rate of 40L/50L/60L.

6. It should have a large vaccum gauge in kPa and mmHg with easy to turn membrane vaccum regulator to set precise vaccum levels.

- 7. It should also have a foot on/ off switch for hands free operation.
- 8. It should have sleek design and sleek trolley with antistatic castors with brakes.
- 9. It should be made with high quality housing material.

10. It should be CE (European).

29. Ultrasonic Scaler

- 1. Should be a Piezoelectric scaler
- 2. Should have a detachable autoclavable hand piece with 4 tips.
- 3. Should have a High power turbo mode and a low power period mode.
- 4. Should have removable hose with liquid flow control knob.
- 5. Should have a torque tool for tightening of the tip.
- 6. Should have a tip adapter
- 7. Should have automatic power feedback control
- 8. Should have water pressure 25-60 psi.

9. Should have Flow Rate Minimum setting (CCW) < 15 ml/min & Maximum setting (CW) > 55 ml/min

- 10. Should have a basic vibration frequency of 50 KHZ
- 11. Should be supplied with an additional hand piece & 4 tips.

12. Should have foot control operation.

30. Curing Light

- 1. SMPS adapter to prevent current surge from 110VAC 240VAC.
- 2. Ergonomically and aesthetically designed for easy handling and efficiency.
- 3. Working time in each mode: peak 10 secs gradual 15secs fluctuation 20 secs.
- 4. Buzzer sound for every 3 secs.
- 5. Fibre optic stem comes with protector for eye protection.
- 6. 2 way slide switch for working in main 230 VAC and battery.
- 7. Small, cordless wand-style light.
- 8. Well-balanced weight of the hand piece is 250g

9. Ergonomic V-shape allows a comfortable grip from various angles to accommodate different techniques and indications.

10. Two light guides (10mm and 3mm) for larger and confined surface areas.

Magnetic light guide mount makes it easy to switch from one to the other.

11. Light guide rotates 360° to help reach all areas of the mouth. Light guide geometry allows for easy intra-oral handling.

12. Innovative design eliminates need for noisy fan and includes a switch-off option

for beep signals for completely silent operation.

13. Smooth, vent-free stainless steel exterior allows fast disinfection between patients.

14. Large buttons with touch response.

15. Hand piece: Diameter 28mm (1.10in), Length 270mm (10.63in)

31. Examination Couch:

- Assisted adjustable backrest of 450 mm
- Three sliding door & three drawers for storage
- It should have overall size: 1890 mm L x 560 mm W x 840 mm H approximately.
- It should have fixed rexine upholstered top 64 mm thick in two sections. body frame work made from 20G CRCA sheet & 20 mm x 40 mm x 16G.MS. rectangular Tubes.
- It should have fitted stainless steel legs & powder coated on all metal surfaces.
- It should have headrest adjustable on gas spring.
- It should have upper section of box approx. size 1220 mm L x 460 mm W x 630 mm H with three sliding drawers of approx. size 320 mm L x 430 mm W x 75 mm H.
- It should have lower section comprising of three cabinets of approx. inside size 350 mm L x 440 mm W x 430 mm H with separate doors.
- It should have sliding foot step under the front side of lower middle cabinet.
- It should have BP apparatus tray made of 18 G MS sheet of approx. size 350 mm L x 120 mm W x 20 mm H provided on swinging rod rotating through a bush fixed on the body of the couch.
- All MS parts should be pre-treated & powder coated & SS parts finished with matt polish.

32. Emergency Patient Trolley:

- Should have two sectional top X ray translucent high pressure laminate with facility to insert X-ray cassette from both sides and ends of trolley.
- Should be able to X ray the patient from positions the entire length and width of the trolley
- Should have ratchet adjusted back section
- Should have trendelenberg and reverse trendelenberg positions.
- Should have hydraulic height adjustment.
- Should have removable stretcher for easy cleaning and disinfections of the X ray platform.
- Should have place for fixing oxygen cylinder.
- Should have detachable SS telescopic IV rods and collapsible SS side rails.
- Body should be pre-treated and power coated.
- Should be supplied with standard accessories such as a. SS Collapsible Side rails 1 no.
 b. Height adjustable IV rod 1 no.
- Dimension:- a. Max.Length : 1900±20 mm b. Max.Width : 700±10 mm c. Height : Min 65 ±5 cm Max 90 ±5 cm d. Trendelenberg : 10 ±2 deg. e. Reverse trendelenberg : 5 ±1 deg f. X ray viewing area Entire length Should be GREENGUARD / SGS & BIFMA/ANSI certified.
- The manufacturer should compliant with ISO 9001, 14001, 13485 & OHSAS 18001

33. Spot Light LED Mobile:

- Should be movable on wheel 5 wheels
- Should be able to adjust position.
- Should use a LED light source.
- It should have minimum light intensity of 39,000 lux
- It should have 4300 chromaticity
- CRI should be minimum 90
- It should have minimum 6 LED
- It should have on/OFF switch on light head handle
- Color temperature should be 4000K
- Stand height should be minimum 38" from the floor and arm length 36"
- Arm should can adjust Horizontally and vertically
- It should can fit provision for either ICU cot / labor cot / table
- Powers supply should be SMPS
- It should be CE/FDA certified

34. Weighing Machine: Digital:

- Should have the capacity of 160 kg or more
- Accuracy should be 100 g.
- Platform size should be around 350 x 350 mm (Tolerance +/-10%)
- Display should be LCD with four digits.
- Size of display should be of minimum height 24 mm for clear visibility.
- Should be made up of sturdy mechanical structure to support/ to withstand heavy work load in public health center.

- The Scale should operate on dry cell batteries and the batteries should sustain up to minimum of six months. The inbuilt batteries should be supplied with the scale.
- The reading should get locked automatically at stable weight and there should be an indication of Stable weight.
- The scale should have facility for kg/lb conversion and there should be indication for kg/lb. It should have Battery low indication.
- The scale should have AUTO-OFF feature for reducing the power consumption and to extend battery back-up period.
- The scale should have ISI mark. Should have model approval from Legal Metrology Dept., Govt. of India.
- Manufacturer should be ISO certified

35. DIGITAL THERMOMETER

- INSTANT AND RELIABLE READING: Read human body's temperature within 10 seconds.
- FLEXIBLE TIP AND WATERPROOF: The tip must be flexible and the thermometer body must be water-resistant for easy disinfection with alcohol after each use.
- LARGE DISPLAY AND FEVER ALARM: 1cm LCD Screen ensures you can clearly see the high-definition read-out on this fever thermometer.
- Should have Fahrenheit and Celsius reading conversion.
- Accuracy: ± 0.1°C & ± 0.2°F
- It should be supplied in individual plastic case.
- The battery should be user replaceable with sturdy battery compartment opening.
- Manufacturer should have ISO certification for quality standard

36. Electronic Baby Weighing Machine:

- Required for routine measurements of infant, neonates and premature babies weight.
- Microprocessor based electronic weighing with facility to weight lying down as well as standing babies
- Weight range 0-20 kg (minimum weight to be weigh 20 gm).
- Accuracy +/- 5gms, resolution 5 gms.
- Unit should have facility to accurately weighs the hectic / active baby and retain the digital display for 30 sec. even baby is removed from the scale.
- Zeroing facility.
- Durable HIP molded baby tray, it should be detachable, to weigh standing babies. Baby Tray construction should not allow baby to be injured or slip from the scale.
- Large bright display for strain free reading
- Display in kg and lbs., easy switch between kg and lbs.
- Reading time max 5 seconds
- Should work on 220-240V AC as well as rechargeable batteries. Mains adaptor to be supplied.
- Rechargeable battery operated system. Charger to be provided if integrated charger is not there
- The Scale should be as per BIS specifications. The scale should have ISI mark ie IS: 2489 Or CE/FDA certified.

- Should have model approval from LegalMetrology Dept., Govt. of India.
- Manufacturer should have ISO 9001:2008 certification for quality standards.
- Service manual in English.

37. Patient trolley

- Size : 2000mm (L) x 660mm (W) x 830mm (H)
- Main frame : 32mm OD x 1.6 mm Thick M.S E.R.W
- Supporting frame : 25mm OD x 1.6 mm Thick M.S E.R.W
- 4 castor wheels with 200 mm dia. Diagonal Dual lock castors
- Stretcher top frame 25mm OD x 1.6 mm Thick M.S E.R.W
- Sheet should be made of CRCA of 1.2mm thickness
- Provision for IV pole.
- Max. Load of 1000 Kg
- Provision for carrying oxygen cylinder.
- Finish : powder coated with anti-microbial epoxy polyester powder.
- Should comply with National / International standards.

38. Digital/Fridge Thermometer:

- Should measure temperatures and displaying it with LCD/LED
- Should be Portable, and battery operated system
- Temperature mesurement range should be 40 deg C to 210 deg C
- Should have LCD/LED readout
- Temperature measurement accuracy should be ± 0.1 ° C
- System Configuration Accessories, spares and consumables
- Should quote Temperature probes -(quote prices for both surface and internal probes)
- Standards, Safety and Training
- Manufacturer should have ISO certification for quality standards. Documentation
- Complete service manual and operating manual must be provided

39. Digital Height weight measuring System:

- Ultrasonic height measurement
- Weight measurement with BMI
- Blood pressure & Pulse measurement
- Infra red body temperature
- In built thermal printer
- 19 inch LCD Screen Display
- Height measurement by ultrasonic probe
- Weight Measurement: Precise balance pressure sensor
- Body Shape defined as BMI
- Fat Measurement: Biological electrical impedance (optional)

40. X ray Viewing Box

- X-ray viewing panel for two X-ray films of size 14" x 17" films.
- High level of luminance of the order of 5000 cd/sqm. (450 foot amberts over a square of 6 x 6 inches at the centre of the screen)
- Illumination using LEDs.
- With dimming control from 10 to 100 %, using electronic ballast.

- Front panel of non fading, scratch proof white acrylic sheet of uniform thickness. 2 meters of heat resistant cable terminating in 15 Amp plug top, working voltage 230VAC, 50Hz.
- Wall mounted model.
- Body fabricated out of steel sheet powder coated.
- Clave free spring loaded white clips to hold the X-ray films tightly

41. BP Machine (Aneroid Sphygmomanometer)

- Should be of handheld aneroid type
- Dial should have 0 to 300 mm of Hg scale and with proper size for better readability
- Gauge should be rotatable
- Cuff should be one piece so that no need to remove or replace bladders
- 15 Valve should have long life and smooth, even deflation
- Cuff should be latex free, easy to clean, sterile or disinfect
- Accuracy should not less than ±3 mm of Hg.
- Should conforms to following standards American National Standard ANSI/AAMI SP9-1994, European Standard EN 1060-1: 1996,.
- Vendor should provide following accessories with each sphygmomanometer
 - Paediatric cuff -1 no
 - Adult cuff -1 no
 - Extra large cuff- 1no

42. Dressing trolley

- Overall Size: 1010 mm L x 510 mm W x 900mm H welded stainless steel tubular frame work.
- Verticals of also 31.7mm OD x 18 G tube horizontal stays of 19 mm OD x 18 G tube on all four sides to support two stainless steel shelves 22 G over with 10 mm dia stainless steel railings are provided on all four sides.
- The trolley holds stainless steel bucket with STAINLESS STEEL lid at lower level and S.S. bowl at top level respectively.
- Only 304 grade stainless steel should be used for tubular frame work & STAINLESS STEEL shelves of trolley.
- The trolley should be in buff finish with 100 mm dia non-rusting swivel castors wheels two with brakes, two without brakes

43. Injection Trolley:

- Three shelves
- A small drawer attached to the top shelf
- 3 sided stainless steel rails for all shelves
- Length between 600-630mm
- Width between 450-470mm
- Height between 800-870 mm
- 15cm castors wheel
- Framework made of stainless steel tubular pipes
- Waste bucket stainless steel,3L
- capacity-2 nos at one side attached to first and bottom shelf

44. Wright's peak flow meter:

- Lower range mini wright PFM (30 40ppm) with sterilizable mouth piece.
- 10 mouth piece has to be given free

45. Medicine Trolley:

- Frame work made from SS steel material.
- Flat top of SS and at least 6 inch deep removable bucket at bottom.
- Should have multiple long drawers to hold drug strips made of high quality epoxy plastic or steel material with convenient and smooth slide in and slide out motion(At least 28-32 separate drawers in about six to eight row)
- The front of the each drawer should be half covered on which removable medicine label can be pasted and upper half open to see content inside.
- Approx. size 750(L) x 450(W) x850(H) mm.
- All stainless steel should 304grade/ 16 gauge.
- Should be equipped with Waste bin, needle disposable container, file cassette & guard rails equipped with lock key system Swivel noiseless caster with brakes 10 cm diameter.

46. Baby Couch/Paediatric Bed:

- Overall size: 1480mm L x 840mm W x 600mm H.
- Bed frame size: Size: 1370mm L x 760mm W.
- The bed shall have a bed frame made from minimum 18 G. thickness CRCA
- Sheet double bent of height minimum 50 mm reinforced with two formed channels of size minimum 47mm web and minimum 24 mm flange welded inside the lengthwise frame bends.
- Widthwise the bed frame should be provided with 2 Nos. angles stiffener of minimum size 2.5 cm x 2.5 cm x 14 G. and 2 Nos. angle supports one at each head and leg end of size of 35mm x 50mmx 2mm. CRCA sheet top should be uniformly perforated at regular internal with 9.5 mm dia. Holes & embossed to give depression downwards. Total 8 holes, 4 in each row.
- Bed fitted with full length drop side rails of height 545 mm out to out made from 19mm x 18G MS.
- Round tube and 14 nos. of 9.5 mm dia MS. Round bars.
- Equal size of head bow & leg bow made of 31.7 mm dia x 18G ERW MS tubes of height 1060 mm having 7 vertical stays of 9.5 mm dia round MS bars welded on one horizontal tube of 25.4 mm O.D. X 18 G tube.
- The legs fitted with high quality PVC shoes with nylon reinforcement.
- Mattress suitable for above bed made of 25mm thick soft 32 density top layer and 75mm thick high 40 density bottom layer for the patient comfort and better pressure care. The upper part of mattress is made of waterproof, breathable fabric separated by zip on three sides on lower cover part made of rexine.
- All mild steel components should be thoroughly in-house pretreated chemically to remove rust, grease, oil, etc. by dip tank processes, including separate degrasing, pickling, phosphating each followed by water rinsing passivating and hot air drying to give phosphate coating.
- The treated metal surface should then be coated in-house with epoxy polyester powder with paint film thickness of 60 microns (minimum) and oven baked at 180 deg. to 200 deg. centigrade. All STAINLESS STEEL used should be of 304 grade

47. Trolley Two shelves (Instrument trolley):

- Complete SS 304 grade.
- Overall approximate dimension: 750 mm L x 500 mm W x 900 mm H.
- Approximate shelf dimension: 750 mm L x 500 mm W.
- Stainless steel tubular frame mounted on four 125 mm diameter Castors with
- synthetic body, two with brake & two without brake.
- Two stainless steel shelves with protective railing on all four sides

48. Emergency Trolley/ crash Cart Trolley:

- Size shall be more than 900mm L x500mm W x 1500mm H.
- The crash cart should be made of 25mm of 18G Stainless steel tubular frame work.
- Should have dual push handles on either side.
- Should have S.S shelves, six colored removable bins & two polystyrene lockable storage units with three drawers each.
- Facility to carry ECG Monitors, Defibrillators etc on open areas at top centre and bottom shelves.
- It should have Stainless steel saline rod fixed with.
- Two accessory mounting brackets to mount accessories anywhere without the need of pre-threaded holes.
- Crash cart should be mounted on 100mm dia non-rusting swiveling castor wheels with two having locking arrangement.
- Should have oxygen cylinder stand on one side.

49. Lithotomy Bed with stirrup:

- Tubular frame mounted on PVC shoes
- Three sections, with top made of SS 304 grade
- Trendelenburg and CPR position instantly available with the help of pneumatic gas spring mechanism along with manual over-ride
- Back rest manually adjustable on ratchets mechanism
- Leg end section should slide completely under the main section
- Lithotomy Rods should be height adjustable covered with soft Rubber and Rexine with U-Cut in the middle section.
- Head and side safety railing along with hand grips made of SS
- Dimension: 74"L×35" W×26"H adjustable to 36"
- Should be able to support patient weight upto 160kg
- Should have mattress 50 mm with U Cut thick and should be tear proof covered with non pinching Rexine, seamless joint, washable and water-proof

50. Adjustable stool Adjustable with back support

- SEAT ASSEMBLY: The seat is made up of 1.2 cm thick Commercial Grade plywood with moulded Polyurethane foam and are upholstered with replaceable fabric covers.
- The upholstery is available in Leather cloth and Fabric. SEAT SIZE: Diameter 40.0 cm

- ADJUSTMENTS: 360 Degree Revolving type
- BACK ASSEMBLY: The back foam is designed with contoured Lumbar support for extra comfort. The upholstery is available in Leather cloth and Fabric.
- BACK SIZE: 45.0 cm (W) covered with U foam.
- POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m3 and Hardness 20 +/- 2 on Hampden machine at 25% compression.
- HEIGHT ADJUSTMENT: The manual height adjustment is very easy to operate with a help of a knob. It can be easily locked at the most comfortable position.
- PEDESTAL ASSEMBLY: The five-prong pedestal is fabricated from 0.2cm. Thick CR steel, powder coated and fitted with an injection moulded black Polypropylene Hub Cap and 5 nos. twin wheel castors (Castor wheel diameter 5.0cm.). The pedestal is 55.0cm pitch-circle diameter (65.0 cm with Castors).
- TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in Black Nylon.

51. Aluminium Tray

• Material Aluminium. Rectangular tray on LID to contain medicine and instruments. Size: 8"x 10 "Lid with central handle for easy opening and closure

52. Weighing Scale (Infant):

- Spring type mechanical scale for infants;
- Measuring range: 0-25kg;
- Minimum graduation: 100g
- Reading time in seconds: less than 15 seconds;
- Readout in kg;
- Display: Dial diameter between 15 to 20 cm. Easy readable in low light;
- Easy reset-to-zero function;
- Damping/ stabilizing mechanism for faster reading of results;
- Fit with 2 hooks, non-removable. Upper for fixation and lower for attaching weighing trouser or sling;
- Mechanics and other vital parts are made of rust proof materials;
- Hooks: stainless steel;
- Dial: plastic (ABS) with Perspex cover;
- Body: Plastic (ABS)
- Calibration screw: stainless steel;
- Body and mechanics should be water proof, shock resistant;
- Smooth surface;
- Supplied with water proof & upholstered bag for carrying;
- User instruction in pictogram style;
- Each scale should be packed in a carry bag, packed in a carton box;
- Estimated weight: 1.00 kg (approx);
- To be supplied with (a) Sling and (b) Weighing Trousers (a) SLING (Baby Weighing)
- Quality cotton fabric, strong and non-elastic;
- Square shape, 0.80x 0.80 m, prior to washing;
- Edges are double seam finished;
- Easy to iron;
- Corners can be knotted together to hold baby securely when suspended from the scale;
- Supply with text and pictorial instructions for usage and maintenance;
- Bag for carrying and/or storage;

- Approx. weight: 0.110kg;
- Weighing Trousers (Baby Weighing)
- Trousers: Strong and easy maintenance fabric;
- With strap for suspension from spring scale;
- Trousers are able to hold infants up to 25 kg;
- Carry bag: with shoulder strap, overlapping flap and closure, fits 5 weighing trousers.
- User instructions on how to position the infant and instruction for washing; both in pictogram
- style are fixed on trousers and bag.
- Washable by hand and/or machine
- Approx. weight: 0.100 kg;

53. C-arm cover two part

Transparent polyethylene sheet,50 micron,size:72cm*87cm, eo sterilized, an iso 13485-2003 company

54. Camera cord cover

length 2.5 m width 15cm, 35micron, transparent polyethylene with paper leader. eo sterilized, an iso 13485-2003 company

55. Patient chairs:

- SEAT/BACK ASSEMBLY: The seat is made of moulded Polyurethane foam and 12mm thick Recycled composite board upholstered with replaceable fabric cover.
- The back is made of MS tubular frame insitu moulded with Polyurethane foam and upholstered with fabric cover. Back Size 45.0 cm. (W) x 47.0 cm. (H)
- Seat Size: 45.0 cm. (W) x 50.5 cm. (D)
- POLYURETHANE FOAM: The Polyurethane foam is moulded with density = 45 ±2 kg/m3 and Hardness for back foam is 16 (+0/-2) & that for seat foam is 20 (+/-2) at 25% compression.
- TUBULAR FRAME STRUCTURE: The powder coated tubular frame structure is made of 48 mm x 18.5 mm x 2.5 mm thick M.S. ERW oblong tube.
- Stackable chairs.

56. Chair for Staff:

- SEAT/BACK ASSEMBLY: The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort.
- Mid back Chair BACK SIZE 48.0cm. (W) x 47.0cm. (H)
- SEAT SIZE: 45.0cm. (W) x 48.0cm. (D)
- POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m3 and Hardness = 20 +/- 2 on Hampden machine at 25% compression.
- ARMRESTS: The one-piece armrests made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrests are scratch and weather resistant. The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm thick. HR steel.

• TUBULAR FRAME: The tubular frame is cantilever type & made of Dia. 2.54cm (1") x 14 BG M.S. E.R.W. tube and black powder coated.

57. Cotton swap canisters

• 304 SS Dressing Jar With Cover, 7" x 7"

58. Delivery kit

A) 40-50 gsm sms polypropylene water repellent, sheet size: 150*120 cm incision incision area:15*25 cm, polt sheet lining 1.20*1.20 m, high performance critical area protection as per european union standards, incision drape is made of breathable io-drape, eo sterile, an iso 13485-2003 company.

B) 4 drape sheet size 80*70cm polypropylene water repellent with adhesive strips 2 drape sheet size 160*160cm polypropylene water repellent. Eo sterilized, lso-13485-2013 company.

59. Dental Nurse Chair:

- SEAT ASSEMBLY: The seat is made up of 1.2 cm thick Commercial Grade plywood with moulded Polyurethane foam and are upholstered with replaceable fabric covers. The upholstery is available in Leather cloth and Fabric.
- SEAT SIZE: Diameter 40.0 cm
- ADJUSTMENTS: 360 Degree Revolving type
- BACK ASSEMBLY: The back foam is designed with contoured Lumbar support for extra comfort. The upholstery is available in Leather cloth and Fabric.
- BACK SIZE: 45.0 cm (W) covered with U foam.
- POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m3 and Hardness 20 +/- 2 on Hampden machine at 25% compression.
- HEIGHT ADJUSTMENT: The manual height adjustment is very easy to operate with a help of a knob. It can be easily locked at the most comfortable position.
- PEDESTAL ASSEMBLY: The five-prong pedestal is fabricated from 0.2cm. Thick CR steel, powder coated and fitted with an injection moulded black Polypropylene Hub Cap and 5 nos. twin wheel castors (Castor wheel diameter 5.0cm.). The pedestal is 55.0cm pitch-circle diameter (65.0 cm with Castors).
- TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in Black Nylon

60. Doctor Chair:

- SEAT/BACK ASSEMBLY: The seat is made up of insert moulded Polyurethane Foam upholstered with foam laminated mesh fabric or net fabric only. The insert moulded foam is assembled over a load bearing plastic seat cover.
- The back is made up of two piece injection moulded frame. The inner frame is upholstered with mesh/net fabric and mounted on the main assembly. The back has adjustable lumbar support for achieving comfortable seating posture. Average size. (+5cm)

- Sub Assembly Seat size = 52.5 cm Width, 51 cm Depth. Sub Assembly Back size= 48.5 cm Max Width, 62 cm Ht.
- Effective Back Height from Seat = 57 cm
- POLYURETHANE FOAM: The polyurethane foam for seat is moulded with density = 75 ±4 kg/m3 and Hardness = 34 ± 4.
- ARMRESTS (ADJUSTABLE): The armrest top is injection moulded in polyurethane and mounted on the injection moulded height adjustable type armrest. The armrest height is adjustable up to 4-5cm in 3 steps & width adjustable. Arm Top Out to Out Dim = 62 to 65 cm, Arm Top Centre to Centre Dim = 53 to 56 cm.
- FRONT PIVOT SYNCHRO MECHANISM: The mechanism is designed with the following features: 360 degrees revolving type Single point control Front pivot for tilt 5 with feet resting on ground ensuring more comfort -Tilt tension adjustment 3 position locking with anti-shock feature
- CONNECTING SPINE BRACKET: spine bracket is made of Aluminium die cast piece connecting back with mechanism.
- PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment of 8.5(+2) cm.
- PEDESTAL ASSEMBLY: Pedestal is made of Die cast Aluminium fitted with 5 nos. twin wheel castors castor wheel dia. 6.0 + 1cm). The pedestal is 65 + 2cm. Pitch centre diameter. (71.0 cm with castors) + 3cm.
- TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in Nylon.
- The Chairs shall be manufactured as per above specifications Relevant catalogue may also be given with the tender document

61. Dressing Tray

• Material SS: Rectangular Tray with lid for holding emergency sterile instruments and dressing size 12 "x 15 ". 26. Lid with central handle for easy opening and closure

62. Emergency Medicine Trolley:

- Frame work made from SS steel material.
- Flat top of SS and at least 6 inch deep removable bucket at bottom.
- Should have multiple long drawers to hold drug strips made of high quality epoxy plastic or steel material with convenient and smooth slide in and slide out motion(At least 28-32 separate drawers in about six to eight row)
- The front of the each drawer should be half covered on which removable medicine label can be pasted and upper half open to see content inside.
- Approx. size 750(L) x 450(W) x850(H) mm.
- All stainless steel should 304grade/ 16 gauge.

Should be equipped with Waste bin, needle disposable container, file cassette & guard rails equipped with lock key system Swivel noiseless caster with brakes 10 cm diameter

63. Foot Step:

- Polished SS tubular legs fitted with high quality nylon gromets.
- SS made top having high grade 3mm nylon matting and aluminum beading
- Overall size: 460(L)*500(W)*460(H) in mm (for Double Foot Step Stool)
- All the Stainless Steel should be seamless conforming to 304 grade/ 16 gauge and polished finished.

64. Gallipot:

- Made of Stainless Steel 304 Grade
- With removable cover on the top
- Have Seamless / Joint less construction
- Small 60 ml(65 x 30 MM), Medium 180 ML (85 x 46 MM), Large 300 ML (115 x 50 MM)

65. Baby Height and Weighing Scale

- Weight range 0-20 kg (minimum weight to be weigh 20 gm).
- Accuracy +/- 5gms, resolution 5 gms.
- Unit should have facility to accurately weighs the hectic / active baby and retain the digital display for 30 sec. even baby is removed from the scale.
- The baby tray should have height markings for measuring the height using sliders.
- Zeroing facility.
- Durable HIP molded baby tray, it should be detachable, to weigh standing babies.
- Baby Tray construction should not allow baby to be injured or slip from the scale.
- Large bright display for strain free reading
- Display in kg and lbs., easy switch between kg and lbs.
- Reading time max 5 seconds

66. Stadiometer(Height Measurement):

- Designed to measure height of adult and children aged 24 months and above in vertical positions.
- Firm flat vertical surface.
- Fold up mechanism and low weight making it compact and easy to transport.
- No part should be loose or shaking during transportation.
- Simple and fast set up, no tool (screw driver etc.)should be required.
- Stable connection, assuring precise and accurate measurement.
- No need for calibration as all parts have prefixed position.
- Double sided graduation for easy measurements.
- Orientation of numerals on the measurement scale: parallel to the board.
- Unit of measure: centimeters.
- Smallest graduation: 0.1 cm.
- Measurement range: Should be able to measure upto 200cm at least;
- Accuracy (+) or (-)0.2 cm.
- Width/depth of the board: approx 5.5 cm.
- Large footplate, providing extra stable base and smoothly gliding measuring slide/wedge.
- Adjustable feet for stability on uneven or soft ground.
- Sprit level indicator to check flate surface.

- Friction feature between board and measuring slide/wedge for preventing the latter from drooping when release.
- No sharp edge or corner.
- Designed for heavy duty use in demanding circumstances.
- Durable, resistant to effect of excessive humidity and high temperature, water resistant and shock resistant.
- Board should be made of Mild Steel (Rust proof)/Aluminium.23.Precision: (+)or (-)0.2 cm; Supplied with:
- Carry bag or carry case(i)made of long lasting fabric, (ii)zipper closer (iii)removable, adjustable shoulder/back strap(s) and (iv) small side pocket for storage of operating instructions, loose parts and/or stationery material.
- Instructions for use, training, maintenance and trouble shooting in English, Hindi and any other regional language as per requirement, appropriately illustrated with pictograms.
- Packaging: Packed in a carton box which should be of sturdy quality and provides adequate protection of the goods while transportation

67. Hiv-kit premium

A) size:140cm*188cm, spun bond -melt bond -spun bond(sms), 40-50 gsm,water repellent,wrap around ,blue non woven, fluba cuffs, bonded sleeves with 2 nos hand towels inner side eo sterilized , an iso 13485-2003company.

B) blue polyethylene sheet, 25 micron,25000 nano meter,120cm*210cm,eo Sterilized, an iso 13485-2003 company

C) 100% latex free, powder free, sterile, enhanced grip in all situations, ambidextrous Rous glove, beaded cuff, tested for using medical for level use good tactile sensitive, thickness 3.2 mil. Colour blue

D) barrier cap 1 ply

E) 2 ply mask

F) polyethylene 35 micron, 35000 nano meter, length 60cm, width 35cm,

G)indirect vents that help protect against splash, hard coated polycrbonate lens

That not reduces cub ova radiation from natural sun-light by 99%.

H) 35 micron polythene, 40cm*45cm, adhesive strips area 2.5cm*42cm

68. IV/Saline stand:

- Overall approx. size: height 150cm-230 cm (with telescopic adjustable height)
- Main Frame: Strong & Sturdy stainless steel tubular construction mounted on four pronged tubular/rectangular base fitted with four swivel rust proof castors 50mm diameter.
- Stainless steel rod with double hooks
- All the Stainless Steel should be 304 grade
- Should be pre-treated and epoxy coated finish.

69. Kick about bucket:

• Stainless steel bowl of.dia 375mm.

- SS tubular framework fitted three 125mm dia non-rusting imported castor wheels, all without brake.
- Castor housing and wheels made from high grade non floor-staining synthetic materials with integrated thread guards.
- Wheel centre having precision ball bearing to run smoothly.
- Frame work made of 25.4mm dia x 18G verticals stainless steel tubes, upper ring made of rod dia 10mm.
- S.S. rod and tubes shall be of 304 grade.

70. MUAC Tape, Adult

- S0000249 Unicef code
- 21.0 Red/PAC-50 This is the MUAC tape to be used for adults.
- It is now a standard stock item. Cut-off points Red: 0 21 cm Yellow: 21 cm 23 cm Green: from 23 cm

71. Pedal Waste bin:

- Should be constructed from stainless steel.
- Should have removable inner container of S.S. material.
- Capacity 10 litre or more
- Should have foot operated lid opening.
- Size: 28 x 36cm (approximate)

72. Pen torch

- Material:Aluminum
- 2 AAA batteries required(included), changable
- Reusable(warm white light)
- Clip to clothes, easy to carry around
- Pupil Gauge at the side

73. SHARP CONTAINER

- 3L capacity
- It should be Puncture proof, leak proof and temper proof. Colour White (translucent) as BMW management norms.
- It should be autoclavable.
- It should be made up of Non-chlorinated polypropylene material
- There should be wall mounting brackets for hanging
- There should be two way lid locking system and with syringe hub removal port

74. Measuring tape

- Flexible non-stretchable tape, Measuring range in cm: 0 205 cm Graduation [Measuring Rod]: 1 mm,
- Material- Teflon synthetic material

75. Uterine Sounds:

• Silver-coated austenitic steel (non-quenched, non-magnetic steel)

- Uterine sound malleable
- Graded in cm, shaft made of rigid or malleable metal, distal end bulbous, mounted on a handle
- Length: 32cm
- Packaging: Unit presentation: individual, with protective wrapping
- Other requirements: Conforms to ISO standard

76. Vaccine carriers:

- Capacity of 1.44 litres with 4 ice packs inside,
- material- HDPE
- weight fully oaded-2.4 kg, weight empty 1.3 kg,
- vaccine storage capacity 0.91 ltr, Ice Packs.
- Capacity 0.4 ltr

77. Waste Bin Pedal Operated(20L)-SS

- Should be made up of high quality stainless steel.
- Should have minimum capacity of 20 liters.
- The covering lid should be open able by pressing the plate attached to the bottom.
- 78. Adhesive aperture drape
- 79. Adhesive edge drape
- 80. Adjustable lab
- 81. Aluce forceps
- 82. Aluminium walker
 - Frame Color : Shining silver ;
 - Foldable and height adjustable frame ;
 - Two 4" front castors
- 83. Artery dish Steel
- 84. Artery forceps
- 85. Bed Sheet Disposable
- 86. Catherization drape
- 87. Corquiads elevators 100% stainless steel
- 88. Cowhorn forceps small buks (horns) 100% stainless steel
- 89. Crier elevator T- shaped left
- 90. Cryers elevators Large L + R
- 91. Cryers elevators Medium L + R
- 92. Cryers elevators Small L + R
- 93. Dental syringe stainless steel
- 94. Digital thermometers
- 95. Drapes
- 96. Dressing trolley
- 97. Ear bulb syringe
- 98. Fetoscope Plastic
- 99. Forceps all types
- 100. Gestational wheel (plastic laminated)
- 101. Injection trolley
- 102. Instrument holder Steel
- 103. Kidney basins

- 104. Kim wipes with stand
- 105. Lap Drape
- 106. Large speculum
- 107. Lower teeth extracting forceps 100% stainless steel set Large incisors
- 108. Lower teeth extracting forceps 100% stainless steel set Large molars
- 109. Lower teeth extracting forceps 100% stainless steel set Large premolars
- 110. Lower teeth extracting forceps 100% stainless steel set Medium incisors
- 111. Lower teeth extracting forceps 100% stainless steel set Medium molars
- 112. Lower teeth extracting forceps 100% stainless steel set Medium premolars
- 113. Lower teeth extracting forceps 100% stainless steel set Small incisors
- 114. Lower teeth extracting forceps 100% stainless steel set Small molars
- 115. Lower teeth extracting forceps 100% stainless steel set Small premolars
- 116. Male urinary bedpans Plastic
- 117. Medium
- 118. Multipurpose drape
- 119. Needle holder
- 120. Paediatric scales
- 121. Patient gown
- 122. Pen holder
- 123. Picking forceps
- 124. Pill trays Plastic
- 125. Plain sheet LDPE
- 126. Protection apron LDPE
- 127. Roots forceps lower teeth 100% stainless steel
- 128. Roots forceps upper teeth molar (small size) 100% stainless steel
- 129. Roots forceps upper teeth 100% stainless steel
- 130. Scale with height
- 131. scaler
- 132. Scissors SS
- 133. Scissors Bandage suture scissor
- 134. Scissors Tissue cord scissor
- 135. Speculums (Steel) Large
- 136. Sponge holding cells
- 137. Sponge holding forceps
- 138. Spot light lamp
- 139. Stainless steel mouth mirror handle
- 140. Stainless steel mouth mirror head
- 141. Step stool Steel
- 142. Steps
- 143. Straight forceps
- 144. Surgical blade holder
- 145. Surgical gown
- 146. Suture forceps
- 147. Suture scissors Small
- 148. Teneculum
- 149. Teneculum Steel
- 150. Theatre knife
- 151. Thumb forceps Steel
- 152. Tidy wipe holders
- 153. Tweezer locking
- 154. Under Buttock drape

- 155. Universal set
- 156. Upper teeth extracting forceps 100% stainless steel set Large incisors
- 157. Upper teeth extracting forceps 100% stainless steel set Large molars (10L+R)
- 158. Upper teeth extracting forceps 100% stainless steel set Large premolars
- 159. Upper teeth extracting forceps 100% stainless steel set Medium incisors
- 160. Upper teeth extracting forceps 100% stainless steel set Medium molars (10L+R)
- 161. Upper teeth extracting forceps 100% stainless steel set Medium premolars
- 162. Upper teeth extracting forceps 100% stainless steel set Small incisors
- 163. Upper teeth extracting forceps 100% stainless steel set Small molars (10L+R)
- 164. Upper teeth extracting forceps 100% stainless steel set Small premolars
- 165. Height board wooden

*Note for items Sr. No. 83 to 176 - All the surgical Sterile items should be minimum, ETO sterilised and manufactured from a ISO 13485-2003 company. All the metal items should be minimum of High quality Medical grade stainless steel of SS 304 grade.

All relevant clauses of the tender document are to be read in accordance with the above change and documents to be submitted are to be in compliance of the above. All other specifications, terms and conditions of the original tender document shall remain unchanged.

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