

PREJHA Foundation Reference: 1229-PREJHA02/21/120

REQUEST FOR QUOTATION

FOR

Partner Empanelment for Supply of Nursing Infrastructure

Dated: 24th Feb 2021

PanIIT Alumni Reach For Jharkhand Foundation

**A Non-profit Special Purpose Joint Enterprise between agencies of Department of Welfare,
Government of Jharkhand and
PanIIT Alumni Reach For India Foundation,
Kalyan Complex, Balihar Road, Morabadi,
Ranchi - 834008, Jharkhand**

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DISCLAIMER

The information contained in this Request for Quotation ("RFQ") or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of PanIIT Alumni Reach For Jharkhand Foundation (hereinafter "PREJHA") is provided to interested parties on the terms and conditions set out in this RFQ and such other terms and conditions subject to which such information is provided.

This RFQ is not an agreement and is neither an offer nor an invitation by PREJHA to interested parties who submit their quote (henceforth "Bidders") in response to this RFQ. The purpose of this RFQ is to provide Bidders with information that may be useful to them in preparing and submitting their proposals ("Proposal") for selection as supply agency with PREJHA Foundation as per notified norms.

PREJHA Foundation makes no representation or warranty and shall have no liability to any person or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFQ or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFQ and any assessment, assumption, statement or information contained herein or deemed to form part of this RFQ or arising in any way from this process.

A Bidder must warrant that all the information provided by it to PREJHA Foundation at the time of application & subsequently, is true to the best of its knowledge and belief, and specially warrants that it has duly complied with the provisions of laws applicable to it. Bidder indemnifies PREJHA Foundation from any liabilities arising out of error or default or negligence or contravention in regard to any of the applicable laws, including, but not limited to, submission of statutory forms & other such documents.

The issue of this RFQ does not imply that PREJHA Foundation is bound to select any Bidder(s) or select any Bidder(s) for any project. PREJHA Foundation may accept or reject any proposal in its discretion and may ask for any additional information or vary its requirements, add to or amend the terms, procedure and protocol set out in RFQ for bona fide reasons, which will be notified to all the Bidders invited to tender. Further PREJHA Foundation hereby reserves its right to annul the process at any time prior to issuance of Purchase Order without incurring any liability towards the Tenderers.

The Bidder shall bear all costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by PREJHA Foundation or any other costs incurred regarding or relating to its Bid. All such costs and expenses will remain with the Bidder and PREJHA Foundation shall not be liable in any manner for the same or for any other costs or expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of this RFQ and related processes.

SECTION 1: LETTER OF INVITATION

PanIIT Alumni Reach for Jharkhand (PREJHA) Foundation invites proposals from reputed bidders for supply of Nursing Infrastructure for PREJHA Foundation's Nursing Kaushal College in Jharkhand.

A bidder will be selected based on Lowest Cost Method (L1 basis) from suitable agencies qualifying the criteria as per described in this RFQ.

The content of this RFQ enlists the requirements of PREJHA Foundation. It includes the **Bidding Terms & selection** procedure which details out all that may be needed by the potential bidders to understand the financial terms and bidding process and explains the contractual terms that PREJHA Foundation wishes to specify at this stage.

The RFQ includes the following sections:

Section 1 - Letter of Invitation

Section 2 - Instructions to Bidders (including pre-qualification criteria)

Section 3 - Standard Forms

The information may be submitted online only at the following website.

<https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action>

Yours faithfully,

Authorized signatory

**PanIIT Alumni Reach For Jharkhand Foundation,
Kalyan Complex, Balihar Road, Morabadi,
Ranchi - 834008, Jharkhand**

PREFACE

About PREJHA Foundation

Agencies of Department of Welfare, Government of Jharkhand and PanIIT Alumni Reach for India Foundation have partnered to form PanIIT Alumni Reach for Jharkhand (PREJHA) Foundation, a not-for-profit joint enterprise to implement and scale sustainable welfare initiatives. The initiative will replicate the PanIIT Skill Gurukul model of learning for skill development across all the districts of Jharkhand state and thus provide a network of ITI and sub-ITI institutions accessible to school dropouts, underprivileged and those who are from the lower strata of socio-economic background.

PREJHA Foundation sets up Rural Skill Gurukuls and Kaushal colleges to impart vocational Education to deserving candidates.

Purpose of RFQ

The objective of this assignment is to procure Nursing Infrastructure required for PREJHA Foundation's Gurukuls & Kaushal Colleges. The supplying agency should adopt a process that is not only transparent, competitive but should also be quick and timely.

Section 2: Instructions to Bidders

The evaluation criteria for the bidders is based on Lowest Cost Method (L1 basis) price bid subject to the bidders submitting and satisfying the basic qualification mentioned. **Each Bidder must submit a single proposal only.**

PREJHA foundation shall endeavor to adhere to the following schedule but reserves the right to alter the same:

Time schedule of Tender:

Sl.No.	Particulars	Date
1.	Tender e-Publication date	24-02-2021
2.	Start date for seeking Clarification	24-02-2021
3.	Last date for seeking clarification on line from service provider (mjunction Services Limited)	28-02-2021
4.	Bid submission start date (only on-line bid accepted)	24-02-2021
5.	Bid submission end date	10-03-2021 (08:00 PM)
6.	Schedule date for Technical bid opening	10-03-2021 (08:10 PM)
7	Comparative statement preparation by the system	10-03-2021 (08:10 PM)

General terms & Conditions:

1. Detailed BOQ

Sl. No	Item Description	Uo M	Estimated Qty
1	Plain Hospital Bed mounted on wheel With Abs Panel and Side Abs Railings with Mattress 1. Overall Approx. Size: 2090L x 940W x 600H mm. 2. Framework made up of 16G M.S. Tubes. 3. Top made up of perforated 18G CRCA M.S. Sheet. 4. Tubular Head and Foot Bows of unequal height with vertical tube support. 5. Four locations on bed frame for telescopic IV Rod. 6. Tubular legs fitted with rubber/PVC shoes. 7. Finish: All mild steel components are pretreated & Epoxy Powder Coated. 8. Single Mattress: 10cms thick, 32/40 density foam mattress covered with rexine closed with zip at one end. 9. Bed mounted on 4 (four) 5 inch Castor, 2 with brakes and 2 without brakes. 10. Should carry a warranty of minimum 1 years.	No	10
2	Delivery Bed (Labour Table) Delivery bed is used for baby delivery. Specifications: i.Backrest adjustable on ratchet ii. It should have collapsible side rails iii. It should have three sectional mattress and seat section should have large perineal cut. iv. Removable SS head and leg bows.	No	3

	<p>v. Should have mounted on the PVC Stumps</p> <p>vi. Should have retractable foot section (section can be telescoped under)so as to convert bed into table.</p> <p>vii. Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed.</p> <p>viii. Should have adjustable leg rests available as an accessory.</p> <p>ix. Should have push grip handles</p> <p>x. Should have rectangular sliding stainless steel tray at perineal part of table.</p> <p>xi. It should have catheter bag holder which can be attached on either side of bed.</p> <p>xii. It should be able to give trendelenburg, reverse trendelburg .</p> <p>xiii. It should have adjustable foot supports for nursing staff</p> <p>xiv. It should be easy to clean, sterilize (especially blood stains) and maintain.</p> <p>xv. Frame should be of epoxy powder coated steel xvi. Overall approx size: 2070 mm (L) x 850 mm (W) x 550 mm to 850 mm (H). Three section top.</p> <p>xvi. All consumables required for installation and standardization of system to be given free of cost.</p> <p>xvii. Manufacturer should have ISO certification for quality standards. Comprehensive training for lab staff and support services till familiarity with the system. It should have Minimum1 year warranty</p> <p>Product should include 2 Section 10 Cm high density mattress.</p> <p>Including all the necessary accessories.</p>		
3	<p>Delivery Bed (Motorized Electric)</p> <p>Delivery bed is used for Baby Delivery</p> <p>Specifications:</p> <p>i. Height controlled by electrical motor.</p> <p>ii. It should have collapsible side rails</p> <p>iii. It should have three sectional mattress and seat section should have large perineal cut.</p> <p>iv. Removable SS head and leg bows with laminated panels.</p> <p>v. Should have wheels provided with locking system.</p> <p>vi. Should have retractable foot section (section can be telescoped under)so as to convert bed into table.</p> <p>vii. Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed.</p> <p>viii. Should have adjustable leg rests available as an accessory.</p> <p>ix. Should have push grip handles</p> <p>x. Should have rectangular sliding stainless steel tray at perineal part of table.</p> <p>xi. It should have catheter bag holder which can be attached on either side of bed.</p> <p>xii. It should be able to give trendelburg, reverse trendelburg and 70 degree sitting position.</p> <p>xiii. It should have adjustable foot supports for nursing staff</p> <p>xiv. It should be easy to clean, sterilize (especially blood stains) and maintain.</p> <p>xv. Frame should be of epoxy powder coated steel xvi. Overall approx size: 2070 mm (L) x 850 mm (W) x 550 mm to 850 mm (H). Three section top.</p> <p>xvi. All consumables required for installation and standardization of system to be given free of cost.</p> <p>xvii. Manufacturer should have ISO certification for quality standards. It should have minimum 1 year warranty</p> <p>Positions, Height Adjustment, Back section adjustment through an electric actuator system.</p> <p>Product should include 2 Section 10 Cm high density mattress.</p> <p>Including all the necessary accessories</p>	No	3

4	<p>Semi Fowler hospital bed with 2 section mattress and 4 lockable wheels</p> <ol style="list-style-type: none"> Overall Approx Size: 2090L x 910W x 600H mm. MS frame with removable MS head & foot. Framework made up of 16G M.S. Tubes. Uniformly perforated 2 (two) section 18G CRCA mild steel top. Pretreated and Epoxy coated finish. Bed mounted on 4(four) pvc sheos.. Four locations on bed frame for telescopic IV Rod. Holder for Urine Bag. Backrest elevation: Backrest adjustable on Smooth crank mechanism system with foldable stainless steel handle. Mattress: 2 Section mattress; 10cms thick, 32/40 density foam mattress covered with rexine closed with zip at one end. Bed mounted on 4 (four) 5 inch Castor, 2 with brakes and 2 without brakes. Should carry a warranty of minimum 1 years. 	No	15
5	<p>Fowler Bed with 4 section mattress and 4 wheels</p> <ol style="list-style-type: none"> Overall Approx Size: 2090L x 940W x 600H mm. Heavy Polymer (ABS) Head and Foot Panel with locking and corner buffer. supplied with MS side railing. Framework made up of 16G M.S. Tubes. Uniformly perforated 4 (four) section 18G CRCA Mild steel top. Pretreated and Epoxy coated finish. Bed mounted on 4 (four) 5 inch Castors, 2 with brakes. Four locations on bed frame for telescopic IV Rod. 9.Holder for Urine Bag. Backrest and Knee rest elevation: Backrest and Knee rest adjustable on Smooth crank mechanism system with foldable stainless steel handle. Mattress: 4 (four) Section mattress; 10cms thick, 32/40 density foam mattress covered with rexine closed with zip at one end. supplied with Overbed wheel trolley food Table made up of sunmica top or ABS pannel Should carry a warranty of minimum 1 years 	No	10
6	<p>ICU Bed Mechanical with 4 section mattress</p> <p>Overall approx size: 2180L x 940W x 470-700 H in mm.</p> <p>Heavy ABS Head and Foot Panel with locking and corner buffer. Four pieces individual side rails, ABS Moulded.</p> <p>Framework made up of 16G M.S. Tubes.</p> <p>Top: 4 section; perforated; Material: 18G CRCA M.S. Shee</p> <p>Bed mounted on 4 (four) 5 inch Castor, 2 with brakes and 2 without brakes.</p> <p>Four locations on bed frame for S.S. telescopic IV Rod with 4 Hook. Holder for Urine Bag.</p> <p>With Overbed wheel trolley food Table made up of sunmica top or ABS pannel</p> <p>Pre-treated & Epoxy Powder coated finish.</p> <p>Mattress: 4 (four) Section mattress; 10cms thi mattress covered with rexine closed with zip at one end. Smooth crank system with foldable handle to obtain positions.</p> <ol style="list-style-type: none"> Hi-Low Trendlenburg/Reverse Trendlenburg Backrest Elevation Kneerest Elevation <p>Should carry a warranty of minimum 1 years.</p>	No	2

7	<p>Bedside table with box & drawer</p> <ol style="list-style-type: none"> Overall Size (Approx): 40 (H) x 40 (W) x 80 (H) cms. Should have an enclosed locker unit which is provided with 50 mm dia. non rusting castors for mobility. Should have steel laminated tray top with raised borders on 3 sides forming the upper surface. Drawer should be fitted with smooth slides. Should be provided with shelf space for storage under the Drawer with locked Cabinet at below. Drawer and cabinet should have front door. Should have one drawer & one cabinet box with shelf space in between. The body should be made of 20 G MS CRCA sheet. Two buffers shall be provided at rear side of the locker box. All MS parts to be pre-treated and epoxy powder coated. All Stainless steel of should be of 304 Grade and 16 Gauge. <p>Minimum 1 Year warranty</p>	No	20
8	<p>FULLY MOTORIZED ICU BED WITH BED SIDE LOCKER</p> <p>Product Quality Standards:</p> <ol style="list-style-type: none"> Operated by Electricity with hand remote control operation <p>Technical Specification:</p> <ol style="list-style-type: none"> Overall size should be approx. 2100mm L x 1020mm W x 450mm to 770mm H (without Mattress) with deviation of $\pm 10\%$. Bed frame size 2050mm L x 960 mm W Four section CRCA top with epoxy coating. Should have perforated top with thickness of 18G. Bed should be electrically operated: Wired remote control or integrated panel for easy to operate various position like; height, back, trendelenburg positions, foot With Overbed wheel trolley food Table made up of sunmica top or ABS pannel movement etc. by touching single fold protection button. Backrest and leg rest both shall have inbuilt three mattress guards. Backrest, legrest and height adjustment positions should be operated by Electro mechanical adjustment through hand control box; an additional nurses' control box, in addition to operating and locking of above functions, shall have trendelenburg/reverse trendelenburg positions. Degree indicator with digital display should be required for backrest, upper leg elevation & Trendelenburg /Reverse trendelenburg positions. Backrest and upper leg section should retract as they are individually and simultaneously raised. Should have provision for placement of hand sanitizer in leg end. Bed frame should be mainly made from 50mm x 25mm x 1.5 mm thick ERW tube with proper support. 	No	2
9	<p>Floor Type Storage on wheel</p> <p>4 coloured medical waste dustbin set (12 ltrs) on wheel</p> <p>Instrument Cabinet</p> <ol style="list-style-type: none"> Stainless Steel 304grade cabinet with two doors and insert in toughened glass-Four key-lock system. GAUGES' Body, outer doorframes and sloping tops-18 gauge. Door inserts-20 gauge. Legs-12 gauge. Two glass-paneled doors, of double shell design, fit the rabbeted frame of the cabinet and hinge on three semi steel hinges each. Outer frame is one piece, die formed, to receive a rubber gasketed glass 	No	8

	<p>panel held in place by removable interior retaining strips. Right hand door is fitted with a three point latching, and the left hand door with a dummy knob and spring loaded nylon roller catches.</p> <p>Right hand door is fitted with a locking handle and three point latching, and the left hand door with a dummy knob and spring loaded nylon roller catches.</p> <p>4 removable internal height adjustable toughened glass shelves of minimum 10 mm thickness</p> <p>4 castors Ø 125 mm enable to move the cabinets during cleaning activity, two with brakes.</p> <p>Height-adjustable feet.</p> <p>Approx. Size: 1900H x 1000W x 500D mm Should carry a warranty of minimum 3 years</p>		
10	<p>ICU - PICU Ventilator</p> <p>All in One Purpose All Rounder portable Ventilator for home care training, ICU training, Adult, pediatric, and neonatal ventilation</p> <p>Features: Invasive as well as Non-Invasive Ventilation, Independence from gas cylinders or compressors, Adaptive Support Ventilation (ASV) for lung-protective ventilation, Intelligent ventilation modes with Adaptive Support Ventilation (ASV), Pressure-controlled modes (including biphasic modes), Volume controlled-modes (adaptive), Pressure support modes, Modes for noninvasive ventilation, nCPAP modes ,</p> <p>Minimum 7" Display Touch Screen, Sui circuits, Patient History storage capability, Automatic Parameters adjustment of patient according to Height & Weigh screen as well as knob operated, Shock Resistant (Drop Test compliant), Nebulizer: 10–180 minutes, Should have Serial interface for connection to PDMS or patient monitors</p> <p>Product should include all the necessary accessories including, Mask, all the cord and all applicable accessories required.</p> <p>Make: Hamilton/Philips/Drager/Medtronic/GE Healthcare/Resmed/SKANRAY/Niscomed</p> <p>Product should carry minimum 1 year warranty/AMC</p>	No	2
11	<p>Emergency patient Transfer Trolley</p> <p>Overall approx dimensions 2100L x 650W mm.</p> <p>Two section top with removable X-Ray permeable stretcher, made of pre-laminated board supported on tubular frame.</p> <p>Height adjusted by foot operated imported hydraulic pump from 650 950 mm.</p> <p>Gas spring assisted Trendlenburg/ Reverse Trendlenburg positions. Sliding X-Ray cassette holder.</p> <p>Backrest raised on ratchet.</p> <p>Synthetic rubber covered pushing handles</p> <p>Four swivel castors 5 inch diameter, two with brake and two without brake</p> <p>Oxygen cylinder cage & storage tray.</p> <p>S.S. I.V. Rod along with provision at four locations. Swing away type stainless steel side rails.</p> <p>Pre-treated and Epoxy powder coated finish. Supplied with Mattress.</p>	No	5
12	<p>Motorised Dialysis Chair</p> <p>Product Specification</p> <p>Back Rest Tilt 0-75 Degree</p> <p>Provision For Reading Light</p>	No	4

	<p>Provided Section Mattress</p> <p>Dimension(in mm) 2000 L x 940 W x 550-850 H</p> <p>Features</p> <ul style="list-style-type: none"> • Mattress are divided into three sections made up of CRCA Pipes with wooden laminated top. • Corner PU buffers absorb impact and reduce damage in handling. • Provided with heavy duty saline stand • Castors of 125 mm dia. With diagonal locking mechanism for mobility with control • Back Rest, Leg rest, High – low manoeuvrable by separate actuator operated by separate patient control • Large Stable base • Chair back fully reclines to the horizontal position. • Chair/recliner two large manually adjustable arm rests allow full mobility of the chair • Dialysis chair is secured balanced in all operational positions • The complete metal components are 7 tank pre treated and epoxy powder coated. 		
13	<p>Patient Shift Trolley with Mattress</p> <p>Overall dimensions 2060mm L x 560mm W x 820mm H.</p> <p>Two section top with removable X-Ray permeable stretcher, made of pre-laminated board supported on tubular frame. Backrest raised on ratchet.</p> <p>Vertical members should be joined together by transverse members at upper & lower end both.</p> <p>A pair of Swing away type safety side S.S. railing.</p> <p>Trolley mounted on 4 metallic 200mm diameter castors wheels with brakes and 2 without brakes.</p> <p>Strong construction made of 31mm OD x 1.60 mm vertical & 25mm x 1.22mm horizontal stainless steel round tubes.</p> <p>7. The trolley should have one telescope SS IV rod & place for fitting IV rod at both ends.</p> <p>8. Supplied with S.S. utility tray & “B” type oxygen cylinder cage.</p>	No	4
14	<p>Medicine Trolley</p> <p>Approx. Size: 780(L) x 490(D) x 920(H) mm.</p> <p>Two Stainless Steel Shelves</p> <p>4 Drawers</p> <p>4"Swivel Castors</p> <p>Epoxy Powder Coated. Four 5" Swivel noiseless castor wheels with brakes from ISO certified manufacturer</p>	No	12
15	<p>Crash Carts</p> <p>1. Only one drawer system with dividers</p> <p>For safety reasons, the drawers are in the unlocked position, more than 2 drawers cannot be opened at the same time. Moreover, specially designed dividers are provided with 3 different sizes of drawers for orderly management of medicine and diagnostic materials.</p> <p>2. Handle</p> <p>the cart comes with an ergonomically designed handle for easy transportation.</p> <p>3. Push-style sub-table</p> <p>A smart sub-table is available as needed depending on the type of work to be done in a hospital ward. The edges of the table are raised to prevent items from falling off. The table</p>	No	5

	<p>comes with small sections into which tools can be organized effectively.</p> <p>4. Caster Exclusive 125-mm casters have a diagonal-locking system to prevent the cart from being moved inadvertently. In addition, one of the casters is anti-static to ensure reliable use in a hospital ward.</p> <p>5. Fully locking key mechanism All drawers are fully locked with only one keyhole being locked. This function dramatically enhances work efficiency and prevents a drawer from being left unlocked.</p> <p>6. Disposable serial seal management system The emergency type cart has an original disposable serial seal for managing emergency material efficiently. It is very easy to confirm whether emergency materials are ready or not at a glance by checking the seal, which is set once medicines and diagnostic materials for emergencies have finished being placed in the cart. There is no need to recheck the contents of the cart while it is sealed. Tearing off the seal allows users to quickly access the contents of the cart.</p> <p>7. Oxygen cylinder holder The oxygen cylinder holder is provided as a standard accessory for the emergency cart. Note: a 500-liter-capacity oxygen cylinder is available.</p> <p>8. Standard accessories -iv hanger rod -cpr board with storage - defibrillator shelf - garbage bin</p> <p>9. Dimension overall width: 900mm Overall length: 538mm Overall height: 1300-1830mm (including iv hangar rod) Small-sized drawer: 570 mm (w) x 395 mm (l) x 60 mm (h) Middle-sized drawer: 570 mm (w) x 395 mm (l) x 135 mm (h) Large-sized drawer: 570 mm (w) x 395 mm (l) x 215 mm (h) Material: body: powder-coated steel, cover: abs plastic Product should be from ISO certified manufacturer</p>		
16	<p>IV stand with wheel.</p> <p>1. Approx adjustable height: 1620mm to 2350mm.</p> <p>2. Framework: Strong Mild steel ERW tubular.</p> <p>3. Base construction with five rectangular Mild steel tubes.</p> <p>4. All mild steel components should be pretreated chemically and metal surface should then be coated with epoxy polyester with paint film thickness of 60 microns (minimum) and oven baked at 180-200deg.C</p> <p>5. Base fitted with five synthetic body castors 50mm wheel diameter, without brake.</p> <p>6. Stainless steel rod with Four hooks lockable with Bakelite knob.</p>	No	15
17	<p>Ceiling mounted OT Lights (Supply and Installation) Product Specification</p> <p>Positioning Ceiling Mounted, Wall-Mounted Number of domes 2</p>	No	3

	<p>Color:- white & yellow LED or any movement 360 degree Angular, Radial movement</p> <p>Features With Control Panel</p> <p>Features :</p> <ul style="list-style-type: none"> • Suitable for major as well as minor surgery. • Light beam of the reflectors can be merge by sterilize handle. • Superior cold rendition for accurate diagnosis & treatment. • On/Off switch at the lamp head. • Spring arm made of stainless steel for each dome. • Aluminium reflectors & color correcting filters. • Aerodynamic shape & laminar compatible. <ol style="list-style-type: none"> 1. Should have double Colour high performance LEDs with life time more than 40,000 hours. 2. Should be a dual dome and the main light and satellite should have the following specifications <ol style="list-style-type: none"> a. LUX intensity minimum 1,00,000 Lux & Satellite minimum 1,00,000 Lux or above. b. Light Field diameter shall be above 24 cm or better. c. Colour temperature should be between 4000 to 4500 degree K d. Colour rendering index should not be less than 95 e. Depth of illumination should not be less than 100 cm. f. Illumination adjustment 30% to 100% g. The light dome shall be compatible for laminar air flow. 3. Should have stable illumination throughout the life period of the light. If the intensity reduces during the warranty or CMC period the LEDs has to be replaced at free of cost if required. 4. The LED's must be of a single color suitable for long term maintenance and ease of replacement. <p>Technical Specification :</p> <p>Illumination Intensity at 1m 100,000 Lux or more</p> <p>No. of minimum LEDs in 1 dome: Minimum 76 LEDs</p> <p>Remote controlled unit.</p> <p>Remote function push, On/off and intensity.</p> <p>Spot Diameter: - 100 - 150 mm.</p> <p>Depth illumination : - 10- 15 cm.</p> <p>LED Average Life: - >40000 Hrs.</p> <p>Diameter of Light : - 580mm.</p> <p>Intensity Control : - 10~100 Digital.</p> <p>Power Supply : - 220V/50 Hz AC.</p> <p>Parabolic Reflector 180 mm</p> <p>Temp rise in field (1 mt) 2° - 3° C</p> <p>Control Unit Transformer</p> <p>Supplier will install the lights on ceiling and provide all the necessary accessories required.</p> <p>From ISO certified manufacturer.</p> <p>with Minimum 1 year warranty.</p>		
18	<p>OT TABLE (Mannual/Hydrullic)</p> <ol style="list-style-type: none"> 1. The table should have minimum 4 sections 2. The table should have easily detachable split leg and easily detachable head section 3. The table top should have a minimum height of 765mm or lesser. 	No	3

	<p>4. The table top should have a minimum vertical stroke of 250mm</p> <p>5. Should have sealed hydraulic mechanism to avoid oil spillage.</p> <p>6. Should have at least 25° trendelenburg and reverse trendelenburg</p> <p>7. Should have at least 20° lateral tilt movement</p> <p>8. Should have at least 80° back up movement with gas spring mechanism.</p> <p>9. The head section should have up and down movement.</p> <p>10. The leg section should have 90° down movement and should move side wards to a minimum of 90 degree.</p> <p>11. The table should have a heavy and sturdy base and compact to provide adequate foot room for the operating team.</p> <p>12. The table should be mounted on heavy duty casters which offers enhanced weight bearing capacity and free mobility</p> <p>13. The table should have a single lever foot operated brake pedal 14.Should have a minimum patient weight bearing capacity of 100 Kgs. 15.Base should be made of cast iron and all other parts and accessories should be completely made of Stainless Steel 304 grade except the cushion, gas spring and hydraulic system which should be made of any non-resting metals like brass etc.</p> <p>16.The table should be supplied with the following accessories.</p> <p>17.a . Mattress for the complete table top in sections-1 set</p> <p>18.b. A pair of arm boards with pad and fixing clamp - 1</p> <p>19.c. A pair of padded shoulder support with clamps - 1</p> <p>20.d. A pair of padded lateral support with clamps - 1</p> <p>21.e. A pair of leg crutches with clamps - 1</p> <p>22.f. Anesthetic screen frame with clamp - 1</p> <p>23.g. Patient restraint strap - 1</p> <p>24.The table should have the facility for easily detachable kidney bridge attachment and the price shall be quoted optionally.</p> <p>With including all the necessary accessories</p> <p>With Minimum 1 year warranty.</p>		
19	<p>OT Table (Electric)</p> <p>The Electromatic Operating Table especially designed with centric column to bear maximum patient weight capacity of 300 kgs. Its a mobile, electrical operated surgical table for multipurpose i.e. cardiology, bariatric, orthopedic, neurology etc. with the addition of table accessories.</p> <p>The table is equipped with a large translucent sliding table top providing Laparoscopy & C-ARM functions without patient reversing. The Surgical Table is powered by either internal battery or facility electric power system</p> <p>Technical Specification :</p> <p>Top dimension L 2032 x W 550 mm</p> <p>Height adjustment 787 mm – 1037 mm</p> <p>Longitudinal Top 250 mm</p> <p>Trendelenburg / Reverse 30° / 25°</p> <p>Lateral tilt 20° / 20°</p> <p>Kidney elevator 150 mm</p> <p>Back Rest (up / down) 80° / 25°</p> <p>Leg Rest (up / down) 15° / 90°</p> <p>Head Rest (up / down) 20° / 60°</p>	No	0.001*

	<p>Power supply 24V DC Battery Backup 2 – 3 hours Patient Weight Capacity 300 Kgs (666 lbs) With Cushions and side support cushions. with all the necessary accessories. Supplier will install the setup at delivery location and provide demonstration. warranty Minimum 1 year</p>		
20	<p>Instrument Cabinet 1. Stainless Steel 304grade cabinet with two doors and insert in toughened glass-Four key-lock system. 2. GAUGES' Body, outer doorframes and sloping tops-18 gauge. Door inserts-20 gauge. Legs-12 gauge. 3. Two glass-paneled doors, of double shell design, fit the rabbeted frame of the cabinet and hinge on three semi steel hinges each. 4. 4 removable internal height adjustable toughened glass shelves of Minimum 10 mm thickness 5. 4 castors Ø 125 mm enable to move the cabinets during cleaning Activity, two with brakes. 6. Approx. Size: 1900H x 1000W x 500D mm</p>	No	8
21	<p>Binocular Pathological Microscope Halogen Lamp minimum 20W Simple Polarized Light, Built in minimum 4 position, Highly Adjustable Binocular Tube , Suitable for Cellular Tissue Observation, Uniform Illumination with Consistent Color Temperature, Head Rotatable at 360 degree, Built in Illumination LED with intensity control, Coaxial coarselline knobs: Tension adjustment on the right side and fine focus knob graduated, stage movement (XY direction) on rack and pinion, Quadruple revolving nose piece (fixed), plane stage of 120x132 millimeters, With right hand mechanical stage, abba condensor 1.25 (oil immersion) with aperture iris diaphragm and blue rinor Universal power supply (100V to 240V) for 6V 20W illuminator, 8cc immersion oil, dust cover and mirror unit (plano-concave) Binocular observation tube (indination 45 degree interpupillary distance adjustment range, observation 53-75 millimeters), diopter adjustment on the left Magnification: X100 - X1000 with objectives (Microscope Objectives 4X 10x,20X, 40x,60x 100x), eyepieces, Binocular, trinocular, stage, and condenser included. Accessories Phase Contrast kit with 10x and 40x LP Series Phase Objective , Polarizing kit, Dark Field kit, Green Filter and Day light mirror attachment. Make - Olympus/Nikon/Leica/Meiji</p>	No	3
22	<p>Centrifuge Centrifuge with digital speed indicator, timer & 16 tube; Make - Remi, abdos, eppendorf, eisco, thermofisher</p>	No	3
23	<p>Incubater Dry Bath INCUBATER. Digital Controller Capacity between 1ml Power consumption - 100 to 120 W</p>	No	3

24	<p>Thermostatic Medical Water Bath Material : Stainless Steel & Mills Steel, double walled . Powder coated, Power Supply : Electrical AC Power - 1.5 W to 2.5 W Indicator accuracy : Min 1.5 deg C Size - Medium Fitted with circular pump with stirrer to re-circulate water at constant temperature. Temperature range 5°C above ambient to 95°C. All accessories included.</p>	No	3
25	<p>Neuberschamber material : plastic and glass Inside cell of Chamber: An area of 9 Sq. mm (3x3 sq.mm) divided into 9 squares of one mm side by means of triple lines. The central small square is further divided by triple lines into 5x5 = 25 smaller squares each with side 1/5 of a mm. Each of the square is further divided into 4 x 4 = 16 smallest squares with side equal to one twentieth of a mm. Thus Dimension of individual cellof 0.05 x 0.05 = 0.0025 mm² Pipettes: RBC and WBC pipettes Gap between cover: 0.1 mm. Slip and grid area Accessories: Rubber suckers for RBC & WBC pipettes Cover slips: 22 x 25 mm one box</p>	No	5
26	<p>Digital Haemoglobinometer - Photometry based system for estimation of haemoglobin. 2- Linearity range- 2g/dl to 25 g/dl or beyond.. 3- Open reagent system.. 4- LED light source. 5- Display of results in g/dl. 6- Connectivity to PC and printer. 7- Accessories to be supplied: along with equipment a- Micro Pipette - 2.5 ml : 1 No. b- Lancing device - 1 Unit c- Lancettes : 50 Nos- d- cuvettes with rubber caps – 5 Nos e- capillaries – 50 Nos Make: Labtronics/EKF/Mission/ACCU/Acon</p>	No	5
27	<p>Glucometer GLUCOMETER 1. Should be a hand held meter 2. Should require no routine maintenance 3. Should have reading range/linearity from 20 to 600 mg/dl 4. Should have a maximum reading time of less than 10 seconds 5. Should use electrochemical/Biosensor technology 6. Should use a minimum blood sample less than 1.5µl 7. Should have a LCD display Make: Dr. Morpen/Accucheck/Onetouch/Bayer Contour/</p>	No	10
28	<p>Radiant WARMER with Phototherapy Unit All in one purpose radiant warmer with Phototherapy Unit. With extra Phototherapy Light Physical Characteristics : Heater Rotation ±90° to the side to facilitate X-ray procedures. The heater automatically shuts off when in this position. Bed Tilt ±15° Trendelenburg and Reverse Trendelenburg, continuous tilt Operating Temperature Range +18 to +30°C er grill to mattress distance Temperature Range Set Temp from 34.5°C to 37.5°C in 0.1°C steps Heater Output 0–540 W power adjustable from 0-100% in twenty 5% increments</p>	No	3

	<p>Electrical Power Requirements Power Requirements 230 V ± 10%, 50/60 Hz models; 4 Amps Nominal Power 600 W max. Consumption</p> <p>APGAR Timer/Attend Babby Alarm Make: DRE/Neotech/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care/IBIS/Kenmark/David/TRIMPEKS/Frontline/SST/Electromeg/Olidef/Philips/Meditech/</p>		
29	<p>SIMPLE Radiant WARMER Physical Characteristics : Heater Rotation ±90° to the side to facilitate X-ray procedures. The heater automatically shuts off when in this position. Bed Tilt ±15° Trendelenburg and Reverse Trendelenburg, continuous tilt Operating Temperature Range +18 to +30°C er grill to mattress distance Temperature Range Set Temp from 34.5°C to 37.5°C in 0.1°C steps Heater Output 0–540 W power adjustable from 0-100% in twenty 5% increments Electrical Power Requirements Power Requirements 230 V ± 10%, 50/60 Hz models; 4 Amps Nominal Power 600 W max. Consumption</p> <p>APGAR Timer/Attend Babby Alarm Make: DRE/Neotech/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care/IBIS/Kenmark/David/TRIMPEKS/Frontline/SST/Electromeg/Olidef/Philips/Meditech/</p>	No	0.001*
30	<p>PULSE OXYMETER Display & indications: SpO2: 3-digit LED (light-emitting diodes) display, Pulse rate: 3-digit LED display, Pulse strength logarithmically scaled, Sensors: all reusable LED flashes to alert the operator to check the sensor placement. SpO2: Range 0-100% Accuracy: ±2% at 70-100%, ±3% at 50-69% Averaging: 4.8- or 16-pulse beat average. - Pulse rate: Range 30-254bpm - Accuracy: ±2% at 30-254bpm - Averaging: 8 or 16-second average. Make: AccuMed/Innovo/Zacurate/Santamedical/Concord/Masimo/Lifeplus/Dr. Morpen/Niscomed/Choicemed</p>	No	10
31	<p>SYRINGE PUMP Advance Syringe infusion Pump : Digital Display Single, Flow rate : 0.1 – 1200 ml/hr, Bolus Rate : upto 1200 ml/hr, Custom Programmable mode to accept any brand of Syringe Auto-detection Syringe Volume, Longer battery back upto 8hrs Patient end delivery line disconnected alarm Drug Library with flow rate calculation Make : Plumentech / Amigo / Hemodiaz</p>	No	5
32	<p>CENTRAL VACCUSUCTION JAR with VACCUSUCTION TUBE SET Material : PVC and Plastic Length : more than 2m Disposable Soft flexible adaptors at both ends of the tube provide safe grip to the handle as well as suction source. Suitable for use with or without vent control facility</p>	No	5
33	<p>LARYNGIOSCOP(ADULT) Resusable</p>	No	10

	Stainless Steel Mat Finish White LED Bulb 4 Blades & Handle. Power source : AC		
34	LARYNGIOSCOP(PEAD)	No	10
35	ET TUBE(INFANT)2.5,3,3.5	No	10
36	ETTUBE(ADULT) 6,6.5,7,7.5	No	10
37	IV CANULLA NO 18,20,22,24,26 Sterilized by Ethylene - Oxide gas. Sterilization process complies with ISO 11135-1 Non pyrogenic, for single use only Universal 6% taper for compatibility with any other standard product Specially designed catheter tip for smooth penetration Back cut needle for easy penetration PTFE/PUR/FEP catheter can be provided Hydrophobic filter / porous plug is also available	No	25
38	NEL CATHETER NO. 10,12,14 Medical Grade PVC, Sterlized and Latex Free	No	25
39	PMO LINE 70 CM Max Pressure 200 psi Material : Non Toxic medical grade PVC	No	20
40	PEDIATRIC DRIP SET Components: Tubing :Materials: supple PVC, medical grade.Transparent (allows the detection of air bubbles), supple and resistant to kinking. Plastic perforator, air inlet and filter. Graduated chamber, injection portal, air filter and security gauge. Drip-counting chamber: Drip counter and filter Flow regulator. Luer-lock connector and cap for connection to vascular system.	No	20
41	3 WAY CANNULA Fully transparent body made of medical-grade biocompatible polycarbonate allows visualization of flow of fluids. Universal 6% taper on luers allows connection with a wide variety of standard medical devices. Tested for smooth, laminar and leak-proof flow up to 5 bars (72.5 psi) pressure. Superior quality Harsoria™ 3-Way Stop Cock now available with integrated extension tubing. Lipid resistant 3 Way Stopcock is also available. 3 Way Stopcock with Blue & Red color pegs are also available. Also available with Extension Tubing Non-pyrogenic, Sterilized by Ethylene Oxide.	No	20
42	POLLY SET 3 way canulla. Material: Polyethylene And Polycarbon	No	20
43	DVT PUM Operation mode : Continuous Detachable power cord for easier portability. Electrical:100 – 240 VAC, 50 – 60Hz Battery : Rechargeable Applied Pressure Leg sleeve : 30~60 mmHg (Caif, Thigh)	No	20
44	HUMIDIFIER Humidifier Bottle For Oxygen Concentrator Is Used To As Spare Part In Oxygen Concentrator	No	3

	Unbreakable, polycarbonate and autoclaveable humidifier bottle		
45	<p>FLOW METER</p> <p>Regulating valve:with valve Body material:PMMA Pressure:0.1Mpa Accuracy:four degree,0.5% Temperature:0-60</p> <p>Float material:Agate ball</p> <p>O-ring material:Silicon rubber Heighth:93mm</p> <p>Measure range 0.1-1.5L</p> <p>Product as per industry standards</p>	No	5
46	<p>IV PRESSOR BAG</p> <p>Suspension loop for IV stands Transparent netting on cuff</p> <p>Chrome plated manometer Easy to read aluminum scale Cotton cuff</p> <p>Latex free inflation bulb</p> <p>Ideal for solutions or blood bags from 500 ml to 5000 ml</p> <p>URO METER.</p> <p>Tube length : more than 48 inch As per international standard.</p>	No	10
47	<p>ELECTRODES</p> <p>EGC electrode Shelf Life : min 22 months</p> <p>As per international standards</p>	No	50
48	<p>HEAD RING</p> <p>Operation threatre gel head ring round. Sizes : large (Adult)/ medium(Pediatric)/ small(neonatal)</p>	No	10
49	<p>EASY FIX</p> <p>Adhesive for attaching cannula</p>	No	100
50	CULTURE SWAB STICK	No	100
51	<p>CVP SCALE</p> <p>Sterile, single use</p> <p>The pressure is easier read by a red floater With extension tube, easy to use.</p>	No	10
52	<p>FOGGING MACHIENE</p> <p>Capacity - 2lts Power source : Butane gas tank/Electricity</p> <p>Made : Stainless Steel. Includes all necessary accessories. Make- Kisan Craft , Super , Torpedo, Fujiaka</p>	No	3
53	FUMIGATION SOLUTION in ltr	No	10
54	<p>MUCUS EXTRACTOR</p> <p>Clear transparent container permits immediate visual examination of the aspirate.</p> <p>Spark plug cap is provided for sealing and storage of specimen. Low friction surface catheter is provided with open end silk smooth round tip for trauma free insertion.</p> <p>Suitable for obtaining mucus specimen for microbiological examination. Tube Material Non Toxic Medical Grade PVC</p> <p>CAPACITY 20 TO 250ML</p>	No	10
55	<p>STERILYZER(BOILER)</p> <p>Chamber Volume (Litre) 15-20 Litre Insulation Wall Single Wall Material Stainless Steel configuration design and material as per IS : 5022.</p>	ltr	5
56	<p>COMMUNES CHAIR</p> <p>Adjustable Foldable</p> <p>Material : Mild Steel Armrest - Yes</p> <p>Seat Material Plastic Features Flip up Leg Rest</p>	No	3
57	SHARP CONTAINER	No	20
58	GREEN ARMYTAGE FORCEPS	No	20

59	<p>SCISSOR CURVED Manufactured from AISI 420 German stainless steel. Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards Highly polished finish for aesthetic and corrosion resistance High Degree of Precision and Flexibility while conducting the Clinical Procedure.</p>	No	50
60	<p>ALICE FORECP 6" Key Feature : German Stainless Steel, Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards</p>	No	50
61	CURETOR	No	50
62	<p>OVAM FORCEPS Manufactured from AISI 420 German stainless steel. Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards Highly polished finish for aesthetic and corrosion resistance High Degree of Precision and Flexibility while conducting the Clinical Procedure.</p>	No	30
63	<p>KOCHER,S FORCEPS Manufactured from AISI 420 German stainless steel. Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards Highly polished finish for aesthetic and corrosion resistance High Degree of Precision and Flexibility while conducting the Clinical Procedure.</p>	No	30
64	<p>CO2 Absorber: <ul style="list-style-type: none"> • Should have double chambered soda lime canister with 1.0 kg capacity each for low flow operation. • Should have visible inspiratory and expiratory valves. • Should have adjustable pressure relief valve. • Should have bi-stable BAG to VENT switch to change over from Manual to Mechanical ventilation. </p>	No	3
65	<p>Vaporiser (Halothane and Isoflurane): <ul style="list-style-type: none"> • Should be interlock mounting system to mount atleast 2 nos. of vaporisers. • Should have provision to attach two vaporisers for Halothane & Isoflurane. • Should be of Selectatec type mounting with front control dial knob. • Should be of Key fill type. • Should have glass window for level monitoring. • Should have tool free installation and should have interlocking facility. • Should be temperature and flow compensated with high accuracy of delivered concentration of agent, particularly at low flow. • Should have nominal capacity of 250ml or above volume of Anesthetic agent. • Should be maintenance/service free for atleast 5 years. • Should be CE marked. <p>Accessories: Ø Mox cylinder connector to the machine: 1set. (Both for O2 & N2O) Ø Paediatric circuit: 1No. Ø Adult circuit: 1No. Ø Face mask =2,3,4 size.(one of each) Ø Rebreathing Bag 2 litre for adult and 0.5 litre for paediatric: 2nos. Ø Endotracheal tube 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5 (cuffed) i.e. high volume with low pressure cuff and stelete. Ø Laryngoscope set of 4 size blades: 1Set each for Paediatric& Adult Ø Machine should be supplied with Oxygen cylinder: 2nos. (5ltrs) and Nitrous</p> </p>	No	3

	<p>Oxide Cylinder: 2nos (5ltrs). All cylinders should be filled during the supply of machine.</p> <p>Ø Sodlime jar: 1No. supply & installation of ICU Equipment</p>		
66	<p>(AED) DEFIBRILLATOR</p> <p>Description of Function</p> <p>Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.</p> <p>Product Quality Standards:</p> <ul style="list-style-type: none"> • Defibrillator should be Bi-Phasic, Portable and latest model • Should monitor vital parameters (ECG, Heart Rate) and display them. • Should print the ECG on inbuilt thermal recorders. • Should work on Manual and Automated external defibrillation (AED) in Biphasic mode. The maximum energy delivered by the device should be upto 200J in manual mode and 150J in AED mode. In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation. • Should be capable of doing synchronized & synchronized cardio version with CPR feedback. • Can be operated from mains as well as battery • Should have defibrillator self test facility. <p>Power Supply:</p> <p>Power input to be 220-240VAC, 50Hz fitted with Indian plug</p> <p>Warranty: Should have 1yrs. of manufacturer warranty.</p> <p>Make:Philips/Heartsine/Zoll/Defibtech/Cardiac Science/Physio Control/Acco</p>	No	2
67	<p>VOLUMETRIC INFUSION PUMP</p> <p>Technical Specification:</p> <ul style="list-style-type: none"> • Flow rate range: 1 to 1000 ml/hr. in normal mode, 1 ml / hr. increment, Micro infusion mode: 0.1 to 100ml/hr. with 0.1 ml/hr increment. • Flow rate accuracy: Accuracy of $\pm 2\%$ or better. • Infusion time: Adjustable from 1 minute to 96 hours, 1 minutes increments. • Setting mode: Flow rate, flow rate + volume, Volume/time, flow rate +time, Ramp-up / ramp-down, sequential, bolus, Induction / loading dose, microinfusion. • KVO rate: 3 ml / hr. adjustable • Pressure limit: 750 mmHg, adjustable from 100 to 900 mmHg (50 mmHg increment) • History data log: Up to 500 last data events. • Configuration: Infusion mode, Key board lock, KVO, pressure limit, display of drug name, time and hour setting, language, LCD contrast, alarm sound level, ward name, secret Code, max. allowable flow rate, air bubble size, recall of last parameter on power ON, display mode volume accumulating, end of infusion pre alarm setting. • Should have infusion line disconnection alarm • Should have infusion line pressure monitoring in mm of Hg <p>Power supply:</p> <p>Power input to be 220 – 240V AC, 50Hz fitted with Indian plug of appropriate rating</p> <p>Warranty: Should have 1yrs. of manufacturer warranty.</p> <p>Make: Mindray/Biocare/DRE/Byond/GE Healthcare/Lifeplus/Everest/MEDCAPTAIN/Niscomed/Medtronic/Promed/Scanray/Meditech</p>	No	5

68	<p>MULTIPARA MONITOR (BASIC)</p> <p>Product Quality Standards:</p> <ul style="list-style-type: none"> • Manufacturer should be ISO 9001 & 13485 certified for quality standards. <p>Technical Specifications:</p> <ol style="list-style-type: none"> 1. Should have the inbuilt facility of monitoring ECG, RR, SpO2, NIBP and dual Temp. for Paediatric to Adult applications. 2. Should be upgradable to dual IBP & Mainstream EtCO2. 3. Should have integrated display of at least 12 inch or more. 4. Should have facility of viewing at least 8 waveforms simultaneously. 5. Should have detection facility for ST segment analysis & arrhythmia detection. 6. Must use pulse oximetry module with facility for display of Plethysmograph, Pulse strength & SpO2 values, which should work on low perfusion & motion. 7. Should have non – volatile Graphical & Tabular trend facility for at least 24-72 hrs. 8. Should have provision to set alarm limits with alarm levels and alarm indication (visual as well as audio) 9. Should have 12 lead ECG measurement and simultaneous monitoring of one temperature. 10. Monitor should have built in Electro Surgical Unit & Defibrillator protection <p>Accessories required:</p> <ul style="list-style-type: none"> • NIBP Cuff (Pre term, Term Neonate, Infant, Paediatric, Adult) with hose – 2 No. each • 12 Lead lead ECG Cable – Paediatric (Complete Set) – 01 No. • SPO2 Probe (Neonate, Paediatric) - 01 No. each (Y sensor) • Temp. Probe: 1No. each for Skin & Rectal • Dual IBP Probe: 1Nos. • IBP Transducer (Disposable): 10No. • Mainstream EtCO2 Probe with adapter: 1No. <p>Power Supply:</p> <p>Power input to be 220-240VAC, 50Hz fitted with Indian plug</p> <p>Warranty: Should have Minimum 1yrs. of manufacturer warranty.</p> <p>Make: Niscomed/Philips/GE Healthcare/Medtronic/Mindray/CMS/SIEMENS/ChoiceMMED/Nidek/BPL/Biotronic/Honeywell/Nihon/Spacelabs/SCHILLER</p>	No	5
69	<p>MULTIPARA MONITOR (HIGH END)</p> <p>Product Quality Standards:</p> <p>Technical Specification:</p> <ol style="list-style-type: none"> 1. Advanced high end modular patient monitor having integrated non-invasive, invasive measurement & features suitable for neonate, paediatrics& adult patients. 2. Monitor must have bright, highly visible minimum 19"/20" color TFT display with full touch screen facility. 3. Monitor must have the facility to display minimum 12 waveform or more, along with related numerical parameters on single screen. 4. Monitors must be able to monitor ECG, SpO2, NIBP, Respiration, dual temp, dual IBP, modular EtCO2 and minimally invasive Continuous Cardiac Output simultaneously. Out of these mentioned parameters ECG, Respiration, NIBP, SpO2, Invasive pressure and Temperature should be monitored through one server/ module 	No	1

	<p>5. Monitor must be ready to be upgraded to connect modules for CO (Thermo dilution), BIS, NMT Module, ICP monitoring, Three IBP, Spirometry, EEG module and it should be capable to monitor all these parameters simultaneously along with parameters mentioned above.</p> <p>6. Monitor should be upgradable to have TcpO2/ TcpCO2 parameter.</p> <p>7. Monitor must have advanced arrhythmia detection and ST Analysis as standard feature.</p> <p>8. System must have minimum 24 hours review data including graphical and tabular trends, arrhythmia event recalls.</p> <p>9. Monitor must have the time linked review function. Monitor must show the waveforms for the time when the arrhythmia occurred in case of arrhythmia recall.</p> <p>10. Monitor must have facility to display 12 lead ECG through 5/6 lead ECG cable.</p> <p>11. Monitor should have ST segment calculations.</p> <p>12. Must have facility to hook up with network printer, at any point of time and able to take print any review data (Trends, Graphs, waveform full disclosure, arrhythmia recall etc.)</p> <p>13. Must have facility to hook up with network printer, at any point of time and able to take print any review data (Trends, Graphs, waveform full disclosure, arrhythmia recall etc.)</p> <p>14. Monitor must be able to connect to central monitoring station and should use single network for all kind of networking with the central station or other hospital information system (HIS).</p> <p>Make: Niscomed/Philips/GE Healthcare/Medtronic/Mindray/CMS/SIEMENS/ChoiceMMED/Nidek/BPL/Biotronic/Honeywell/Nihon/Spacelabs/SCHILLER</p>		
70	<p>OXYGEN CONCENTRATOR (Double Outlet)</p> <p>Technical Specification:</p> <ol style="list-style-type: none"> 1. Oxygen concentrator to provide oxygen from ambient air. 2. Oxygen concentration should be measured at the flow meter by oxygen sensing device (OSD) 3. Should have oxygen purity indicator/alarm for low oxygen concentration. 4. Sound level ≤55 dB 5. Superior grade of molecular sieve bed of minimum working hour of 15,000hrs. 6. Integrated Timer should be there. 7. Maintenance free rotary proppet valve. 8. Should have audio and visual alarm for Low oxygen concentration, low pressure and power failure. 9. The unit should be movable and should be provided with four wheels with at least two breaks. 10. Oxygen concentration 90% ±3% at 10LPM flow. 11. Oxygen output, approx: 0.5 to 10 LPM 12. Oxygen outlet Pressure: Minimum 15 psi. 13. Double outlet for oxygen Delivery controlled from two separate pressure compensated flow meter to ensure accurate flow display. 14. Masks: Necessary mask suitable to Neonatal should be provided: 2 sets. <p>Supplied with: Ø Spare set of tubing: 2No.</p>	No	3

<p>Ø Spare set of internal and external filters (bacterial): 2Nos. Ø Humidifier bottles: 2Nos. Ø Cabinet filters: 2Nos. Ø Spare set of fuses: 2Nos. Power Supply Power input to be 220-240VAC, 50Hz fitted with Indian plug Warranty: Should have minimum 1yrs. of manufacturer warranty. Make: Philips/AIRSEP/Invacare/Nidek/Caire/Sequal//Resmed/Niscomed/Scanray/Mindray/Meditec h</p>		
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*For Estimation purpose only
(**- Freight – Ex Ranchi)

2. Definitions

- "Buyer" means PREJHA Foundation
- "Bidder" means suppliers or contractors who have participated in tender
- "The Vendor" means the supplier or contractor or service provider to whom the Order is addressed.
- "The Purchase Order" means terms and conditions signed between Buyer and the Vendor governing the subject matter of this Order
- "The Goods / Services" means the goods or services to be supplied under the Order.

3. Amendment of RFQ

At any time before the submission of Proposals, PREJHA Foundation may amend the RFQ by issuing an addendum in writing or by standard electronic means. The addendum shall be uploaded on the <https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action> and will be binding on them. To give Bidders reasonable time in which to take an amendment into account in their Proposals, PREJHA Foundation may, if the amendment is substantial, extend the deadline for the submission of Proposals.

4. Bidding

(to be solely done through portal)

<https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action>

- Offer to be submitted only on e-procurement portal. Hard copy of offer is **not required** to be submitted to PREJHA Foundation. Any offer received in Hard copy shall **not be accepted** and will stand disqualified
- Mode of Submission of offer: Being e-tender, offer will be solely submitted online through e-tender portal: <https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action> through following Application Service Providers (ASPs) appointed by PREJHA:

M/s Mjunction Services Limited, 6thFloor, Tata Centre.43 J N Road,

Kolkata – 700 071,

Contact Person: Helpdesk Officer Sumant Kumar Choudhary
9163348104, sumant.choudary@mjunction.in

- c) They may obtain further information regarding this tender from the office of PREJHA Foundation, Kaushal College, Near science block, Ranchi Women's College, Nagra Toli, Ranchi, Jharkhand 834001 from 10:00 hours to 17:00 hours on all working days till the date of bidding is open.

Contact Person: Deepa Ram, Procurement, PREJHA

Contact No.: 9085670550

Email-ID:deepa.r@parfi.org

- d) Bidders are expected to adequately apprise themselves regarding the procedure and provisions available on the e-procurement portal **operated/ maintained** by M/S. Mjunction services limited. Buyer shall not be responsible for any issues related to timely or proper uploading/submission of the bid.

5. Validity of Proposal

Bidders' proposals must remain **valid for a period of min** 180 days after the submission of proposal. Should the need arise, PREJHA Foundation may request Bidders to extend the validity period of their proposals. If a bidder is selected as vendor, his proposal will remain same for whole of the delivery schedule.

6. Submission of proposal

The Proposal as well as all related correspondence exchanged by the bidders and PREJHA Foundation, shall be only through the portal of mjunction and electronic means.

The offer shall be submitted as per the instructions of tender document and as detailed in this RFQ. Price shall be furnished in the relevant price schedule only. In case of any clarification, bidder may contact the concerned contact persons at m junction Services or PREJHA as listed above

7. Latest updates

Latest updates on the critical dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc. to Tender Specifications will be hosted on PREJHA-mjunction webpage. Bidders to keep themselves updated with all such information. Bidders may please visit <https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action> for document submission.

8. Technical Bid (incl. Pre-Qualification Criteria)

Sl. No	PQR Condition	Bidder Remarks
1	Have previously supplied the similar materials to any institutional buyers preferably listed private or public	

	sector companies or training enterprises within past 2 years. Previous Pos copies will be required	
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Bidder should submit the prequalification documents (Tech1, Tech2, Tech3 & Fin1) at the portal

9. Financial Proposal

Financial Proposal must be submitted in the format shared in this RFQ. Financial proposal must be shared in the same format as provided else it shall be declared non-responsive.

10. Empanelment followed by Letter of Award

1. The technical bid (incl. pre-qualification criteria) will be verified by PREJHA Foundation. The Procurement System will determine the lowest financial bid including on a possible line-item basis among the technically qualified bidders.
2. PREJHA Foundation shall award the Empanelment Contract possibly with SOR to successful bidders and then issue the purchase order that may be deemed as a Letter of Award (LOA) for the estimated order value along with terms & Conditions governing the Award and notify the same to the bidder through email.
3. The selected bidder is expected to commence the assignment on the date and at the location specified in the LOA/ Contract.
4. If the selected bidder does not sign the Contract within the stipulated period, the LOA may be cancelled, and the next lowest bidder will be considered for award of Contract.
5. If at any stage in the bidding process including after bid opening or Issuance of Purchase orders pertaining to this RFQ, PREJHA believe that the Bidders do not meet the requisite Technical criteria set out in the Bid Document or delivery schedule or that the rate quoted exceeds its own estimates for the supply value, PREJHA reserves the right to cancel the tender or particular line item(s) without incurring any obligation or liability towards the tenderers.
6. PREJHA Foundation reserves the right to issue a part order of any 'line item' or sets of line items from BoQ in the bid to another empaneled vendor based on cost, time & quality considerations at its sole discretion. The transport cost in such cases will be on actual basis.
7. Purchase Orders & Delivery details Over the validity of this RFQ, purchase orders with specified quantity & delivery details would be issued as per requirements
8. Delivery time is the essence of this order and must be strictly adhered to. If the vendor fails to deliver the goods in time, the Buyer may, at its sole discretion:
 - Treat the order as cancelled at any time and recover any loss or damage from the vendor by invoking Security Deposit;
 - purchase the goods ordered or any part thereof from other sources on the vendor's account, in which case, the Vendor shall be liable to pay the Buyer not only the difference between the price at which such goods have been purchased and the price calculated at the rate set out in this order, but also any other loss or damage the Buyer may suffer;

11. Indicative Delivery Schedule

- Goods to be delivered at our Gurukul as per following as needed:

Sl. No	Delivery Location	Delivery Schedule
1	Nursing Kaushal College, Gumla	Within 15 days of signing of contract
2	Nursing Kaushal College, ITKI	
3	Nursing Kaushal College, Chaibasa	
4	Nursing Kaushal College, Saraikela	
5	Nursing Kaushal College, Sahibganj	
6	Nursing Kaushal College, Chanhoo	
7	Nursing Kaushal College, Jamtra	
8	Nursing Kaushal College, Latehar	

12. Payment Terms

- 100% within 60 days of delivery on submission of invoice & delivery challan for each unit. If the vendor delivers goods within 7 days of order confirmation, 100% payment will be done within 45 days.
- If a vendor fails to deliver the goods as per the delivery schedule. PREJHA foundation is entitled to delay payment by 2 days for each day delay in delivery. If such delay extends beyond 7 days, it could lead to possible forfeiture of security deposit.

13. Unloading

- Unloading is in Vendor's scope, cost & arrangement will be borne by Vendor.
- The risk of all materials till receipt at location will be in vendor's scope.

14. Quality of goods and services.

The Vendor should warrant to PREJHA that:

- The Goods and Services would conform in all respects to the Order and to recognized Indian or equivalent standards and codes (where applicable) and be at the complete satisfaction of Buyer.
- The said good/services processed and delivered by the Vendor shall be made from good quality bought out components/materials, as acceptable to the Buyer and it should have standard/excellent workmanship and fit for their intended purpose.

15. Warranty/ Guarantee

- The said goods/services delivered by the Vendor should be identical to the sample/specification given by the Vendor.
- Where the said goods/services delivered by the Vendor to the Buyer is according to sample as well as certain specification/description, if any, the said goods/services processed and delivered, shall match not only with the said sample, but also with the said specification/description.

- c) If deficiency is identified before or during the transfer of risk or during the Guarantee/warranty Period, the Vendor must at its own expense and at the discretion of the Buyer either repair the deficiency or provide re-performance of the Services or replacement of delivery. This provision also applies to delivery subject to inspection by sample test. The discretion of the Buyer shall be final.

16. Inspection

- a) All materials supplied against the order should conform strictly to the specifications laid down by the Buyer, and should be new, merchantable quality, fit for their intended purpose and should be in line with "Quality Assurance Plan", if any, which must be approved in advance by the Buyer. All such materials will be subject to inspection and approval by the Buyer, either at the Vendor's premises and/or at the place of delivery indicated by the Buyer.
- b) The Buyer reserves the rights to inspect the material at any stage during manufacture or supply and reject the same if found defective or not in conformity with the specifications or not fit for their intended purpose without invalidating the remainder of the order, if so desired by the Buyer.
- c) All rejected material from the Buyer's site store shall be removed by the vendor at their own cost positively within 15 days from the date of rejection note / intimation issued by the Buyer to them. In case of any failure to remove the same by the vendor within the stipulated period, the Buyer shall have all rights to remove the rejected materials/goods from their premises and discard it. Any cost on this account would be debited to vendor's account.
- d) The Buyer under no circumstances will be liable or held accountable for any damage, loss, deterioration of the rejected materials/goods for discarding the material/goods, or for any value for it.

17. Damage or loss in transit

- a) Subject to the terms of the Order, the Vendor undertakes at its own expense to replace goods lost or damaged in transit.
- b) The delivery will not be deemed to have taken place until replacement items are delivered to the satisfaction of the Buyer.

18. Ownership and risk

Subject to the terms of the delivery and without prejudice to PREJHA Foundation's other rights under the Conditions of the Order:

- a) Ownership in the Goods shall pass to PREJHA on delivery and acceptance.
- b) Risk in the Goods shall pass to PREJHA on delivery, save where the Order includes installation, in which case risk shall not pass to PREJHA until completion of the installation work.

19. Fraud/Corruption

PREJHA Foundation requires that the bidders participating in the selection process adhere to the highest ethical standards, both during the selection process and throughout the execution of the

Contract.

PREJHA Foundation will terminate the Contract, if already awarded and will declare the bidder ineligible, either indefinitely or for a stipulated period, to be awarded a Contract, if at any time it determines that the bidder has in contravention to the undertaking given in the Bid document and/or contract, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Contract as enshrine in the undertaking in bidding document and contract

20. Conflicting relationships

Bidder has an obligation to disclose as part of the bid document any situation of actual or potential conflict that impacts their capacity to serve the best interest of PREJHA Foundation, or that may reasonably be perceived as having this effect. Failure to disclose the said situations may lead to the disqualification of the bidder or the termination of its Contract

21. Jurisdiction.

The disputes if any between the parties shall be subject to the exclusive jurisdiction of the courts in Ranchi alone.

STANDARD FORMS

TECH FORMS	FORM NAME	Mention list of all supporting documents attached (if any)
TECH-1	Letter of proposal submission	Pls scan & attach
TECH-2	Bidder's organization and experience	Pls Put details during bid submission online
TECH-3	Techno commercial offer	Pls Put details during bid submission online
Fin - 1	Financial Bid Format	Pls Put details during bid submission online

Form Tech 1: Letter

(On Bidder's Letter-head)
Letter of Proposal Submission

To,
Executive Director
PanIIT Alumni Reach For Jharkhand Foundation
Kalyan Complex, Balihar Road, Morabadi,
Ranchi - 834008, Jharkhand

We, the undersigned, offer to supply Nursing Infrastructure for PREJHA Foundation, in accordance with your Request for Quotation dated 24-02-2021. We are hereby submitting our proposal, which includes this Technical Proposal, and the Financial Proposal as indicated

We undertake the total responsibility for supply of the goods, if awarded to us.

We hereby declare that all the information and statements made in this proposal are true and accept that any misrepresentation contained in it may lead to our disqualification.

We understand that **PREJHA Foundation** is not bound to accept any proposal it receives.

We further state that we understand that PREJHA Foundation will terminate the Contract, if already awarded and will declare the bidder ineligible, either indefinitely or for a stipulated period, to be awarded a Contract, if at any time it determines that the bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing a Contract

Yours faithfully,

*Authorized Signatory [*In full and Designation*]: Name and Title of Signatory:

Name of

Bidder:

Address:

Form Tech 2: Bidder's Organization and Experience

Bidder's Organization

Provide here a brief description of the background and organization of your Agency/entity.

<i>Years</i>	<i>2018-19</i>	<i>2019-20</i>	<i>Average</i>
<i>Turnover (INR)</i>			

Attach PAN card copy, Bank Details (along with copy of cancelled cheque)

Form Tech 3: Techno commercial Offer

<u>TENDER PROFORMA for Techno-commercial</u>	
PREJHA reference	
Name of Bidder	
Address of Bidder	
Acceptance of Delivery Schedule	Yes
Acceptance of payment terms	Yes
GSTIN No	
Acceptance of Guarantee clause	Yes
Acceptance of Jurisdiction clause	Yes

Form Fin1: Financial Bid Proforma

TENDER PROFORMA for Commercial							
PREJHA Reference No							
Name of Bidder							
SN	Item Description	Estimated Qty	Unit Rate	Estimated Value	Tax %	Tax	Freight
1	<p>Plain Hospital Bed mounted on wheel With Abs Panel and Side Abs Railings with Mattress</p> <p>1. Overall Approx. Size: 2090L x 940W x 600H mm.</p> <p>2. Framework made up of 16G M.S. Tubes.</p> <p>3. Top made up of perforated 18G CRCA M.S. Sheet.</p> <p>4. Tubular Head and Foot Bows of unequal height with vertical tube support.</p> <p>5. Four locations on bed frame for telescopic IV Rod.</p> <p>6. Tubular legs fitted with rubber/PVC shoes.</p> <p>7. Finish: All mild steel components are pretreated & Epoxy Powder Coated.</p> <p>8. Single Mattress: 10cms thick, 32/40 density foam mattress covered with rexine closed with zip at one end.</p> <p>9. Bed mounted on 4 (four) 5 inch Castor, 2 with brakes and 2 without brakes.</p> <p>10. Should carry a warranty of minimum 1 years.</p>	10					
2	<p><u>Delivery Bed (Labour Table)</u></p> <p>Delivery bed is used for baby delivery. Specifications:</p> <p>i.Backrest adjustable on ratchet</p> <p>ii. It should have collapsible side rails</p> <p>iii. It should have three sectional mattress and seat section should have large perineal cut.</p> <p>iv. Removable SS head and leg bows.</p> <p>v. Should have mounted on the PVC Stumps</p> <p>vi. Should have retractable foot section (section can be telescoped under)so as to convert bed into table.</p> <p>vii. Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed.</p> <p>viii. Should have adjustable leg rests available as an accessory.</p>	3					

	<p>ix. Should have push grip handles x. Should have rectangular sliding stainless steel tray at perineal part of table. xi. It should have catheter bag holder which can be attached on either side of bed. xii. It should be able to give trendelenburg, reverse trendelburg . xiii. It should have adjustable foot supports for nursing staff xiv. It should be easy to clean, sterilize (especially blood stains) and maintain. xv. Frame should be of epoxy powder coated steel xvi. Overall approx size: 2070 mm (L) x 850 mm (W) x 550 mm to 850 mm (H). Three section top. xvii. All consumables required for installation and standardization of system to be given free of cost. xviii. Manufacturer should have ISO certification for quality standards. Comprehensive training for lab staff and support services till familiarity with the system. It should have Minimum 1 year warranty Product should include 2 Section 10 Cm high density mattress. Including all the necessary accessories.</p>					
3	<p>Delivery Bed (Motorized Electric) Delivery bed is used for Baby Delivery Specifications: i. Height controlled by electrical motor. ii. It should have collapsible side rails iii. It should have three sectional mattress and seat section should have large perineal cut. iv. Removable SS head and leg bows with laminated panels. v. Should have wheels provided with locking system. vi. Should have retractable foot section (section can be telescoped under) so as to convert bed into table. vii. Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed. viii. Should have adjustable leg rests available as an accessory. ix. Should have push grip handles x. Should have rectangular sliding stainless</p>	3				

	<p>steel tray at perineal part of table.</p> <p>xi. It should have catheter bag holder which can be attached on either side of bed.</p> <p>xii. It should be able to give trendelburg, reverse trendelburg and 70 degree sitting position.</p> <p>xiii. It should have adjustable foot supports for nursing staff</p> <p>xiv. It should be easy to clean, sterilize (especially blood stains) and maintain.</p> <p>xv. Frame should be of epoxy powder coated steel xvi. Overall approx size: 2070 mm (L) x 850 mm (W) x 550 mm to 850 mm (H). Three section top.</p> <p>xvi. All consumables required for installation and standardization of system to be given free of cost.</p> <p>xvii. Manufacturer should have ISO certification for quality standards. It should have minimum 1 year warranty</p> <p>Positions, Height Adjustment, Back section adjustment through an electric actuator system.</p> <p>Product should include 2 Section 10 Cm high density mattress.</p> <p>Including all the necessary accessories</p>					
4	<p>Semi Fowler hospital bed with 2 section mattress and 4 lockable wheels</p> <p>1. Overall Approx Size: 2090L x 910W x 600H mm.</p> <p>2. MS frame with removable MS head & foot.</p> <p>3. Framework made up of 16G M.S. Tubes.</p> <p>4. Uniformly perforated 2 (two) section 18G CRCA mild steel top.</p> <p>5. Pretreated and Epoxy coated finish.</p> <p>6. Bed mounted on 4(four) pvc sheos..</p> <p>7. Four locations on bed frame for telescopic IV Rod.</p> <p>8. Holder for Urine Bag.</p> <p>9. Backrest elevation: Backrest adjustable on Smooth crank mechanism system with foldable stainless steel handle.</p> <p>10. Mattress: 2 Section mattress; 10cms thick, 32/40 density foam mattress covered with rexine closed with zip at one end.</p> <p>11. Bed mounted on 4 (four) 5 inch Castor, 2 with brakes and 2 without brakes.</p> <p>13.. Should carry a warranty of minimum 1</p>	15				

	years.						
5	<p><u>Fowler Bed with 4 section mattress and 4 wheels</u></p> <p>1. Overall Approx Size: 2090L x 940W x 600H mm.</p> <p>2. Heavy Polymer (ABS) Head and Foot Panel with locking and corner buffer.</p> <p>3. supplied with MS side railing.</p> <p>4. Framework made up of 16G M.S. Tubes.</p> <p>5. Uniformly perforated 4 (four) section 18G CRCA Mild steel top.</p> <p>6. Pretreated and Epoxy coated finish.</p> <p>7. Bed mounted on 4 (four) 5 inch Castors, 2 with brakes.</p> <p>8. Four locations on bed frame for telescopic IV Rod. 9. Holder for Urine Bag.</p> <p>10. Backrest and Knee rest elevation: Backrest and Knee rest adjustable on Smooth crank mechanism system with foldable stainless steel handle.</p> <p>11. Mattress: 4 (four) Section mattress; 10cms thick, 32/40 density foam mattress covered with rexine closed with zip at one end.</p> <p>12. supplied with Overbed wheel trolley food Table made up of sunmica top or ABS pannel</p> <p>13. Should carry a warranty of minimum 1 years</p>	10					
6	<p>ICU Bed Mechanical with 4 section mattress</p> <p>Overall approx size: 2180L x 940W x 470-700 H in mm.</p> <p>Heavy ABS Head and Foot Panel with locking and corner buffer. Four pieces individual side rails, ABS Moulded.</p> <p>Framework made up of 16G M.S. Tubes.</p> <p>Top: 4 section; perforated; Material: 18G CRCA M.S. Shee</p> <p>Bed mounted on 4 (four) 5 inch Castor, 2 with brakes and 2 without brakes.</p> <p>Four locations on bed frame for S.S. telescopic IV Rod with 4 Hook. Holder for Urine Bag.</p> <p>With Overbed wheel trolley food Table made up of sunmica top or ABS pannel</p> <p>Pre-treated & Epoxy Powder coated finish.</p> <p>Mattress: 4 (four) Section mattress; 10cms thi</p> <p>mattress covered with rexine closed with zip</p>	2					

	<p>at one end. Smooth crank system with foldable handle to obtain positions.</p> <ol style="list-style-type: none"> 1. Hi-Low 2. Trendlenburg/Reverse Trendlenburg 3. Backrest Elevation 4. Kneerest Elevation <p>Should carry a warranty of minimum 1 years.</p>						
7	<p>Bedside table with box & drawer</p> <ol style="list-style-type: none"> 1. Overall Size (Approx): 40 (H) x 40 (W) x 80 (H) cms. 2. Should have an enclosed locker unit which is provided with 50 mm dia. non rusting castors for mobility. 3. Should have steel laminated tray top with raised borders on 3 sides forming the upper surface. 4. Drawer should be fitted with smooth slides. 5. Should be provided with shelf space for storage under the Drawer with locked Cabinet at below. 6. Drawer and cabinet should have front door. 7. Should have one drawer & one cabinet box with shelf space in between. 8. The body should be made of 20 G MS CRCA sheet. 9. Two buffers shall be provided at rear side of the locker box. 10. All MS parts to be pre-treated and epoxy powder coated. 11. All Stainless steel of should be of 304 Grade and 16 Gauge. <p>Minimum 1 Year warranty</p>	20					
8	<p>FULLY MOTORIZED ICU BED WITH BED SIDE LOCKER</p> <p>Product Quality Standards:</p> <ol style="list-style-type: none"> 1. Operated by Electricity with hand remote control operation <p>Technical Specification:</p> <ol style="list-style-type: none"> 1. Overall size should be approx. 2100mm L x 1020mm W x 450mm to 770mm H (without Mattress) with deviation of $\pm 10\%$. 2. Bed frame size 2050mm L x 960 mm W Four section CRCA top with epoxy coating. 3. Should have perforated top with thickness of 18G. 4. Bed should be electrically operated: Wired 	2					

	<p>remote control or integrated panel for easy to operate various position like; height, back, trendelenburg positions, foot</p> <p>5. With Overbed wheel trolley food Table made up of sunmica top or ABS panel movement etc. by touching single fold protection button.</p> <p>6. Backrest and leg rest both shall have inbuilt three mattress guards. Backrest, legrest and height adjustment positions should be operated by Electro mechanical adjustment through hand control box; an additional nurses' control box, in addition to operating and locking of above functions, shall have trendelenburg/reverse trendelenburg positions.</p> <p>7. Degree indicator with digital display should be required for backrest, upper leg elevation & Trendelenburg /Reverse trendelenburg positions.</p> <p>9. Backrest and upper leg section should retract as they are individually and simultaneously raised.</p> <p>10. Should have provision for placement of hand sanitizer in leg end.</p> <p>11. Bed frame should be mainly made from 50mm x 25mm x 1.5 mm thick ERW tube with proper support.</p>					
9	<p>Floor Type Storage on wheel</p> <p>4 coloured medical waste dustbin set (12 ltrs) on wheel</p> <p>Instrument Cabinet</p> <p>1. Stainless Steel 304 grade cabinet with two doors and insert in toughened glass-Four key-lock system.</p> <p>2. GAUGES' Body, outer doorframes and sloping tops-18 gauge. Door inserts-20 gauge. Legs-12 gauge.</p> <p>3. Two glass-paneled doors, of double shell design, fit the rabbeted frame of the cabinet and hinge on three semi steel hinges each. Outer frame is one piece, die formed, to receive a rubber gasketed glass panel held in place by removable interior retaining strips. Right hand door is fitted with a three point latching, and the left hand door with a dummy knob and spring loaded nylon roller catches.</p>	8				

	<p>Right hand door is fitted with a locking handle and three point latching, and the left hand door with a dummy knob and spring loaded nylon roller catches.</p> <p>4 removable internal height adjustable toughened glass shelves of minimum 10 mm thickness</p> <p>4 castors Ø 125 mm enable to move the cabinets during cleaning activity, two with brakes.</p> <p>Height-adjustable feet.</p> <p>Approx. Size: 1900H x 1000W x 500D mm</p> <p>Should carry a warranty of minimum 3 years</p>					
10	<p>ICU - PICU Ventilator</p> <p>All in One Purpose All Rounder portable Ventilator for home care training, ICU training,</p> <p>Adult, pediatric, and neonatal ventilation</p> <p>Features: Invasive as well as Non-Invasive Ventilation,</p> <p>Independence from gas cylinders or compressors,</p> <p>Adaptive Support Ventilation (ASV) for lung-protective ventilation,</p> <p>Intelligent ventilation modes with Adaptive Support Ventilation (ASV),</p> <p>Pressure-controlled modes (including biphasic modes),</p> <p>Volume controlled-modes (adaptive),</p> <p>Pressure support modes,</p> <p>Modes for noninvasive ventilation, nCPAP modes ,</p> <p>Minimum 7" Display Touch Screen, Sui circuits, Patient History storage capability, Automatic Parameters adjustment of patient according to Height & Weigh screen as well as knob operated, Shock Resistant (Drop Test compliant), Nebulizer: 10–180 minutes, Should have Serial interface for connection to PDMS or patient monitors</p> <p>Product should include all the necessary accessories including, Mask, all the cord and all applicable accessories required.</p> <p>Make:</p> <p>Hamilton/Philips/Drager/Medtronic/GE Healthcare/Resmed/SKANRAY/Niscomed</p> <p>Product should carry minimum 1 year warranty/AMC</p>	2				

11	<p>Emergency patient Transfer Trolley Overall approx dimensions 2100L x 650W mm. Two section top with removable X-Ray permeable stretcher, made of pre-laminated board supported on tubular frame. Height adjusted by foot operated imported hydraulic pump from 650 950 mm. Gas spring assisted Trendlenburg/ Reverse Trendlenburg positions. Sliding X-Ray cassette holder. Backrest raised on ratchet. Synthetic rubber covered pushing handles Four swivel castors 5 inch diameter, two with brake and two without brake Oxygen cylinder cage & storage tray. S.S. I.V. Rod along with provision at four locations. Swing away type stainless steel side rails. Pre-treated and Epoxy powder coated finish. Supplied with Mattress.</p>	5				
12	<p>Motorised Dialysis Chair Product Specification</p> <p>Back Rest Tilt 0-75 Degree Provision For Reading Light Provided Section Mattress</p> <p>Dimension(in mm) 2000 L x 940 W x 550-850 H</p> <p>Features</p> <ul style="list-style-type: none"> • Mattress are divided into three sections made up of CRCA Pipes with wooden laminated top. • Corner PU buffers absorb impact and reduce damage in handling. • Provided with heavy duty saline stand • Castors of 125 mm dia. With diagonal locking mechanism for mobility with control • Back Rest, Leg rest, High – low manoeuvrable by separate actuator operated by separate patient control • Large Stable base • Chair back fully reclines to the horizontal position. • Chair/recliner two large manually adjustable arm rests allow full mobility of the chair 	4				

	<ul style="list-style-type: none"> • Dialysis chair is secured balanced in all operational positions • The complete metal components are 7 tank pre treated and epoxy powder coated. 						
13	<p>Patient Shift Trolley with Mattress Overall dimensions 2060mm L x 560mm W x 820mm H.</p> <p>Two section top with removable X-Ray permeable stretcher, made of pre-laminated board supported on tubular frame. Backrest raised on ratchet.</p> <p>Vertical members should be joined together by transverse members at upper & lower end both.</p> <p>A pair of Swing away type safety side S.S. railing.</p> <p>Trolley mounted on 4 metallic 200mm diameter castors wheels with brakes and 2 without brakes.</p> <p>Strong construction made of 31mm OD x 1.60 mm vertical & 25mm x 1.22mm horizontal stainless steel round tubes.</p> <p>7. The trolley should have one telescope SS IV rod & place for fitting IV rod at both ends.</p> <p>8. Supplied with S.S. utility tray & "B" type oxygen cylinder cage.</p>	4					
14	<p>Medicine Trolley Approx. Size: 780(L) x 490(D) x 920(H) mm.</p> <p>Two Stainless Steel Shelves</p> <p>4 Drawers</p> <p>4"Swivel Castors</p> <p>Epoxy Powder Coated. Four 5" Swivel noiseless castor wheels with brakes from ISO certified manufacturer</p>	12					
15	<p>Crash Carts</p> <p>1. Only one drawer system with dividers For safety reasons, the drawers are in the unlocked position, more than 2 drawers cannot be opened at the same time. Moreover, specially designed dividers are provided with 3 different sizes of drawers for orderly management of medicine and diagnostic materials.</p> <p>2. Handle the cart comes with an ergonomically designed handle for easy transportation.</p> <p>3. Push-style sub-table</p>	5					

	<p>A smart sub-table is available as needed depending on the type of work to be done in a hospital ward. The edges of the table are raised to prevent items from falling off. The table comes with small sections into which tools can be organized effectively.</p> <p>4. Caster Exclusive 125-mm casters have a diagonal-locking system to prevent the cart from being moved inadvertently. In addition, one of the casters is anti-static to ensure reliable use in a hospital ward.</p> <p>5. Fully locking key mechanism All drawers are fully locked with only one keyhole being locked. This function dramatically enhances work efficiency and prevents a drawer from being left unlocked.</p> <p>6. Disposable serial seal management system The emergency type cart has an original disposable serial seal for managing emergency material efficiently. It is very easy to confirm whether emergency materials are ready or not at a glance by checking the seal, which is set once medicines and diagnostic materials for emergencies have finished being placed in the cart. There is no need to recheck the contents of the cart while it is sealed. Tearing off the seal allows users to quickly access the contents of the cart.</p> <p>7. Oxygen cylinder holder The oxygen cylinder holder is provided as a standard accessory for the emergency cart. Note: a 500-liter-capacity oxygen cylinder is available.</p> <p>8. Standard accessories -iv hanger rod -cpr board with storage - defibrillator shelf - garbage bin</p> <p>9. Dimension overall width: 900mm Overall length: 538mm Overall height: 1300-1830mm (including iv hangar rod) Small-sized drawer: 570 mm (w)</p>					
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	<p>x 395 mm (l) x 60 mm (h) Middle-sized drawer: 570 mm (w) x 395 mm (l) x 135 mm (h) Large-sized drawer: 570 mm (w) x 395 mm (l) x 215 mm (h) Material: body: powder-coated steel, cover: abs plastic Product should be from ISO certified manufacturer</p>						
16	<p>IV stand with wheel. 1. Approx adjustable height: 1620mm to 2350mm. 2. Framework: Strong Mild steel ERW tubular. 3. Base construction with five rectangular Mild steel tubes. 4. All mild steel components should be pretreated chemically and metal surface should then be coated with epoxy polyester with paint film thickness of 60 microns (minimum) and oven baked at 180-200deg.C 5. Base fitted with five synthetic body castors 50mm wheel diameter, without brake. 6. Stainless steel rod with Four hooks lockable with Bakelite knob.</p>	15					
17	<p>Ceiling mounted OT Lights (Supply and Installation) Product Specification</p> <p>Positioning Ceiling Mounted, Wall-Mounted Number of domes 2 Color:- white & yellow LED or any movement 360 degree Angular, Radial movement Features With Control Panel Features :</p> <ul style="list-style-type: none"> • Suitable for major as well as minor surgery. • Light beam of the reflectors can be merge by sterilize handle. • Superior cold rendition for accurate diagnosis & treatment. • On/Off switch at the lamp head. • Spring arm made of stainless steel for each dome. • Aluminium reflectors & color correcting filters. • Aerodynamic shape & laminar compatible. <p>1. Should have double Colour high performance LEDs with life time more than 40,000 hours.</p>	3					

	<p>2. Should be a dual dome and the main light and satellite should have the following specifications</p> <ul style="list-style-type: none"> a. LUX intensity minimum 1,00,000 Lux & Satellite minimum 1,00,000 Lux or above. b. Light Field diameter shall be above 24 cm or better. c. Colour temperature should be between 4000 to 4500 degree K d. Colour rendering index should not be less than 95 e. Depth of illumination should not be less than 100 cm. f. Illumination adjustment 30% to 100% g. The light dome shall be compatible for laminar air flow. <p>3. Should have stable illumination throughout the life period of the light. If the intensity reduces during the warranty or CMC period the LEDs has to be replaced at free of cost if required.</p> <p>4. The LED's must be of a single color suitable for long term maintenance and ease of replacement.</p> <p>Technical Specification :</p> <p>Illumination Intensity at 1m 100,000 Lux or more</p> <p>No. of minimum LEDs in 1 dome: Minimum 76 LEDs</p> <p>Remote controlled unit.</p> <p>Remote function push, On/off and intensity.</p> <p>Spot Diameter: - 100 - 150 mm.</p> <p>Depth illumination : - 10- 15 cm.</p> <p>LED Average Life: - >40000 Hrs.</p> <p>Diameter of Light : - 580mm.</p> <p>Intensity Control : - 10~100 Digital.</p> <p>Power Supply : - 220V/50 Hz AC.</p> <p>Parabolic Reflector 180 mm</p> <p>Temp rise in field (1 mt) 2° - 3° C</p> <p>Control Unit Transformer</p> <p>Supplier will install the lights on ceilling and provide all the necessary accessories required.</p> <p>From ISO certified manufacturer.</p> <p>with Minimum 1 year warranty.</p>					
18	<p>OT TABLE (Manual/Hydrullic)</p> <ul style="list-style-type: none"> 1. The table should have minimum 4 sections 2. The table should have easily detachable 	3				

	<p>split leg and easily detachable head section</p> <p>3. The table top should have a minimum height of 765mm or lesser.</p> <p>4. The table top should have a minimum vertical stroke of 250mm</p> <p>5. Should have sealed hydraulic mechanism to avoid oil spillage.</p> <p>6. Should have at least 25° trendelenburg and reverse trendelenburg</p> <p>7. Should have at least 20° lateral tilt movement</p> <p>8. Should have at least 80° back up movement with gas spring mechanism.</p> <p>9. The head section should have up and down movement.</p> <p>10. The leg section should have 90° down movement and should move side wards to a minimum of 90 degree.</p> <p>11. The table should have a heavy and sturdy base and compact to provide adequate foot room for the operating team.</p> <p>12. The table should be mounted on heavy duty casters which offers enhanced weight bearing capacity and free mobility</p> <p>13. The table should have a single lever foot operated brake pedal</p> <p>14. Should have a minimum patient weight bearing capacity of 100 Kgs.</p> <p>15. Base should be made of cast iron and all other parts and accessories should be completely made of Stainless Steel 304 grade except the cushion, gas spring and hydraulic system which should be made of any non-resting metals like brass etc.</p> <p>16. The table should be supplied with the following accessories.</p> <p>17.a . Mattress for the complete table top in sections-1 set</p> <p>18.b. A pair of arm boards with pad and fixing clamp - 1</p> <p>19.c. A pair of padded shoulder support with clamps - 1</p> <p>20.d. A pair of padded lateral support with clamps - 1</p> <p>21.e. A pair of leg crutches with clamps - 1</p> <p>22.f. Anesthetic screen frame with clamp - 1</p> <p>23.g. Patient restraint strap - 1</p> <p>24. The table should have the facility for easily detachable kidney bridge attachment</p>					
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	and the price shall be quoted optionally. With including all the necessary accessories With Minimum 1 year warranty.						
19	<p>OT Table (Electric) The Electromatic Operating Table especially designed with centric column to bear maximum patient weight capacity of 300 kgs. Its a mobile, electrical operated surgical table for multipurpose i.e. cardiology, bariatric, orthopedic, neurology etc. with the addition of table accessories.</p> <p>The table is equipped with a large translucent sliding table top providing Laparoscopy & C- ARM functions without patient reversing. The Surgical Table is powered by either internal battery or facility electric power system</p> <p>Technical Specification :</p> <p>Top dimension L 2032 x W 550 mm Height adjustment 787 mm – 1037 mm Longitudinal Top 250 mm Trendelenburg / Reverse 30° / 25° Lateral tilt 20° / 20° Kidney elevator 150 mm Back Rest (up / down) 80° / 25° Leg Rest (up / down) 15° / 90° Head Rest (up / down) 20° / 60° Power supply 24V DC Battery Backup 2 – 3 hours Patient Weight Capacity 300 Kgs (666 lbs) With Cushions and side support cushions. with all the necessary accessories. Supplier will install the setup at delivery location and provide demonstration. warranty Minimum 1 year</p>	0.001*					
20	<p>Instrument Cabinet</p> <ol style="list-style-type: none"> 1. Stainless Steel 304grade cabinet with two doors and insert in toughened glass-Four key-lock system. 2. GAUGES' Body, outer doorframes and sloping tops-18 gauge. Door inserts-20 gauge. Legs-12 gauge. 3. Two glass-paneled doors, of double shell design, fit the rabbeted frame of the cabinet and hinge on three semi steel hinges each. 4. 4 removable internal height adjustable toughened glass shelves of Minimum 10 mm 	8					

	<p>thickness</p> <p>5. 4 castors \varnothing 125 mm enable to move the cabinets during cleaning Activity, two with brakes.</p> <p>6. Approx. Size: 1900H x 1000W x 500D mm</p>						
21	<p>Binocular Pathological Microscope</p> <p>Halogen Lamp minimum 20W</p> <p>Simple Polarized Light,</p> <p>Built in minimum 4 position,</p> <p>Highly Adjustable Binocular Tube ,</p> <p>Suitable for Cellular Tissue Observation,</p> <p>Uniform Illumination with Consistent Color Temperature,</p> <p>Head Rotatable at 360 degree, Built in illumination LED with intensity control,</p> <p>Coaxial coarse/fine focus knobs: Tension adjustment on the right side and fine focus knob graduated, stage movement (XY direction) on rack and pinion,</p> <p>Quadruple revolving nose piece (fixed),</p> <p>plane stage of 120x132 millimeters,</p> <p>With right hand mechanical stage, objective condenser 1.25 (oil immersion) with aperture iris diaphragm and blue filter</p> <p>Universal power supply (100V to 240V) for 6V 20W illuminator, 8cc immersion oil, dust cover and mirror unit (plano-concave)</p> <p>Binocular observation tube (inclination 45 degree interpupillary distance adjustment range, observation 53-75 millimeters), diopter adjustment on the left</p> <p>Magnification: X100 - X1000 with objectives (Microscope Objectives 4X 10x,20X, 40x,60x 100x), eyepieces, Binocular, trinocular, stage, and condenser included. Accessories Phase Contrast kit with 10x and 40x LP Series Phase Objective , Polarizing kit, Dark Field kit, Green Filter and Day light mirror attachment.</p> <p>Make - Olympus/Nikon/Leica/Meiji</p>	3					
22	<p>Centrifuge</p> <p>Centrifuge with digital speed indicator, timer & 16 tube; Make - Remi, abdos, eppendorf, eisco, thermofisher</p>	3					
23	<p>Incubator</p> <p>Dry Bath INCUBATER.</p> <p>Digital Controller Capacity between 1ml</p> <p>Power consumption - 100 to 120 W</p>	3					

24	<p>Thermostatic Medical Water Bath Material : Stainless Steel & Mils Steel, double walled . Powder coated, Power Supply : Electrical AC Power - 1.5 W to 2.5 W Indicator accuracy : Min 1.5 deg C Size - Medium Fitted with circular pump with stirrer to re-circulate water at constant temperature. Temperature range 5°C above ambient to 95°C. All accessories included.</p>	3				
25	<p>Neuberschamber material : plastic and glass Inside cell of Chamber: An area of 9 Sq. mm (3x3 sq.mm) divided into 9 squares of one mm side by means of triple lines. The central small square is further divided by triple lines into 5x5 = 25 smaller squares each with side 1/5 of a mm. Each of the square is further divided into 4 x 4 = 16 smallest squares with side equal to one twentieth of a mm. Thus Dimension of individual cellof 0.05 x 0.05 = 0.0025 mm² Pipettes: RBC and WBC pipettes Gap between cover: 0.1 mm. Slip and grid area Accessories: Rubber suckers for RBC & WBC pipettes Cover slips: 22 x 25 mm one box</p>	5				
26	<p>Digital Haemoglobinometer - Photometry based system for estimation of haemoglobin. 2- Linearity range- 2g/dl to 25 g/dl or beyond.. 3- Open reagent system.. 4- LED light source. 5- Display of results in g/dl. 6- Connectivity to PC and printer. 7- Accessories to be supplied: along with equipment a- Micro Pipette - 2.5 ml : 1 No. b- Lancing device - 1 Unit c- Lancettes : 50 Nos- d- cuvettes with rubber caps – 5 Nos e- capillaries – 50 Nos Make: Labtronics/EKF/Mission/ACCU/Accon</p>	5				
27	<p>Glucometer GLUCOMETER 1. Should be a hand held meter 2. Should require no routine maintenance 3. Should have reading range/linearity from 20 to 600 mg/dl</p>	10				

	<p>4. Should have a maximum reading time of less than 10 seconds</p> <p>5. Should use electrochemical/Biosensor technology</p> <p>6. Should use a minimum blood sample less than 1.5µl</p> <p>7. Should have a LCD display</p> <p>Make: Dr. Morpen/Accucheck/Onetouch/Bayer Contour/</p>						
28	<p>Radiant WARMER with Phototherapy Unit All in one purpose radiant warmer with Phototherapy Unit. With extra Phototherapy Light Physical Characteristics : Heater Rotation ±90° to the side to facilitate X-ray procedures. The heater automatically shuts off when in this position. Bed Tilt ±15° Trendelenburg and Reverse Trendelenburg, continuous tilt Operating Temperature Range +18 to +30°C er grill to mattress distance Temperature Range Set Temp from 34.5°C to 37.5°C in 0.1°C steps Heater Output 0–540 W power adjustable from 0-100% in twenty 5% increments Electrical Power Requirements Power Requirements 230 V ± 10%, 50/60 Hz models; 4 Amps Nominal Power 600 W max. Consumption</p> <p>APGAR Timer/Attend Babby Alarm Make: DRE/Neotech/GE Healthcare/Drager/ARDO/Healforce/Phoenix /V-care/IBIS/Kenmark/David/TRIMPEKS/Frontline/SST/Electromeg/Olidef/Philips/Meditech/</p>	3					
29	<p>SIMPLE Radiant WARMER Physical Characteristics : Heater Rotation ±90° to the side to facilitate X-ray procedures. The heater automatically shuts off when in this position. Bed Tilt ±15° Trendelenburg and Reverse Trendelenburg, continuous tilt Operating Temperature Range +18 to +30°C er grill to mattress distance Temperature Range Set Temp from 34.5°C to 37.5°C in 0.1°C steps Heater Output 0–540 W power adjustable from 0-100% in twenty 5%</p>	0.001*					

	<p>increments</p> <p>Electrical Power Requirements Power Requirements 230 V ± 10%, 50/60 Hz models; 4 Amps Nominal Power 600 W max. Consumption</p> <p>APGAR Timer/Attend Babby Alarm Make: DRE/Neotech/GE Healthcare/Drager/ARDO/Healforce/Phoenix /V- care/IBIS/Kenmark/David/TRIMPEKS/Frontline/SST/Electromeg/Olidef/Philips/Meditech/</p>						
30	<p>PULSE OXYMETER</p> <p>Display & indications: SpO2: 3-digit LED (light-emitting diodes) display, Pulse rate: 3-digit LED display, Pulse strength logarithmically scaled, Sensors: all reusable LED flashes to alert the operator to check the sensor placement. SpO2: Range 0-100% Accuracy: ±2% at 70-100%, ±3% at 50-69% Averaging: 4.8- or 16-pulse beat average. - Pulse rate: Range 30-254bpm - Accuracy: ±2% at 30-254bpm - Averaging: 8 or 16-second average. Make: AccuMed/Innovo/Zacurate/Santamedical/Concord/Masimo/Lifeplus/Dr. Morpen/Niscomed/Choicemmed</p>	10					
31	<p>SYRINGE PUMP</p> <p>Advance Syringe infusion Pump : Digital Display Single, Flow rate : 0.1 – 1200 ml/hr, Bolus Rate : upto 1200 ml/hr, Custom Programmable mode to accept any brand of Syringe Auto-detection Syringe Volume, Longer battery back upto 8hrs Patient end delivery line disconnected alarm Drug Library with flow rate calculation Make : Plumentech / Amigo / Hemodiaz</p>	5					
32	<p>CENTRAL VACCUSUCTION JAR with VACCUSUCTION TUBE SET</p> <p>Material : PVC and Plastic Length : more than 2m Disposable Soft flexible adaptors at both ends of the tube provide safe grip to the handle as well as suction source. Suitable for use with or without vent control</p>	5					

	facility						
33	LARYNGIOSCOP(ADULT) Resusable Stainless Steel Mat Finish White LED Bulb 4 Blades & Handle. Power source : AC	10					
34	LARYNGIOSCOP(PEAD)	10					
35	ET TUBE(INFANT)2.5,3,3.5	10					
36	ETTUBE(ADULT) 6,6.5,7,7.5	10					
37	IV CANULLA NO 18,20,22,24,26 Sterilized by Ethylene - Oxide gas. Sterilization process complies with ISO 11135-1 Non pyrogenic, for single use only Universal 6% taper for compatibility with any other standard product Specially designed catheter tip for smooth penetration Back cut needle for easy penetration PTFE/PUR/FEP catheter can be provided Hydrophobic filter / porous plug is also available	25					
38	NEL CATHETER NO. 10,12,14 Medical Grade PVC, Sterlized and Latex Free	25					
39	PMO LINE 70 CM Max Pressure 200 psi Material : Non Toxic medical grade PVC	20					
40	PEDIATRIC DRIP SET Components: Tubing :Materials: supple PVC, medical grade.Transparent (allows the detection of air bubbles), supple and resistant to kinking. Plastic perforator, air inlet and filter. Graduated chamber, injection portal, air filter and security gauge. Drip-counting chamber: Drip counter and filter Flow regulator. Luer-lock connector and cap for connection to vascular system.	20					
41	3 WAY CANNULA Fully transparent body made of medical-grade biocompatible polycarbonate allows	20					

	<p>visualization of flow of fluids. Universal 6% taper on luers allows connection with a wide variety of standard medical devices. Tested for smooth, laminar and leak-proof flow up to 5 bars (72.5 psi) pressure. Superior quality Harsoria™ 3-Way Stop Cock now available with integrated extension tubing. Lipid resistant 3 Way Stopcock is also available. 3 Way Stopcock with Blue & Red color pegs are also available. Also available with Extension Tubing Non-pyrogenic, Sterilized by Ethylene Oxide.</p>						
42	<p>POLLY SET 3 way canulla. Material: Polyethylene And Polycarbon</p>	20					
43	<p>DVT PUM Operation mode : Continuous Detachable power cord for easier portability. Electrical:100 – 240 VAC, 50 – 60Hz Battery : Rechargeable Applied Pressure Leg sleeve : 30~60 mmHg (Caif, Thigh)</p>	20					
44	<p>HUMIDIFIER Humidifier Bottle For Oxygen Concentrator Is Used To As Spare Part In Oxygen Concentrator Unbreakable, polycarbonate and autoclaveable humidifier bottle</p>	3					
45	<p>FLOW METER Regulating valve:with valve Body material:PMMA Pressure:0.1Mpa Accuracy:four degree,0.5% Temperature:0-60 Float material:Agate ball O-ring material:Silicon rubber Heighth:93mm Measure range 0.1-1.5L Product as per industry standards</p>	5					
46	<p>IV PRESSOR BAG Suspension loop for IV stands Transparent netting on cuff Chrome plated manometer Easy to read aluminum scale Cotton cuff Latex free inflation bulb Ideal for solutions or blood bags from 500 ml to 5000 ml URO METER.</p>	10					

	Tube length : more than 48 inch As per international standard.						
47	ELECTRODES EGC electrode Shelf Life : min 22 months As per international standards	50					
48	HEAD RING Operation threatre gel head ring round. Sizes : large (Adult)/ medium(Pediatric)/ small(neonatal)	10					
49	EASY FIX Adhesive for attaching cannula	100					
50	CULTURE SWAB STICK	100					
51	CVP SCALE Sterile, single use The pressure is easier read by a red floater With extension tube, easy to use.	10					
52	FOGGING MACHIENE Capacity - 2lts Power source : Butane gas tank/Electrictiy Made : Stainless Steel. Includes all necessary accessories. Make- Kisan Craft , Super , Torpedo, Fujiaka	3					
53	FUMIGATION SOLUTION in ltr	10					
54	MUCUS EXTRACTOR Clear transparent container permits immediate visual examination of the aspirate. Spark plug cap is provided for sealing and storage of specimen. Low friction surface catheter is provided with open end silk smooth round tip for trauma free insertion. Suitable for obtaining mucus specimen for microbiological examination. Tube Material Non Toxic Medical Grade PVC CAPACITY 20 TO 250ML	10					
55	STERILYZER(BOILER) Chamber Volume (Litre) 15-20 Litre Insulation Wall Single Wall Material Stainless Steel configuration design and material as per IS : 5022.	5					
56	COMMODES CHAIR Adjustable Foldable Material : Mild Steel Armrest - Yes Seat Material Plastic Features Flip up Leg Rest	3					

57	SHARP CONTAINER	20					
58	GREEN ARMYTAGE FORCEPS	20					
59	SCISSOR CURVED Manufactured from AISI 420 German stainless steel. Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards Highly polished finish for aesthetic and corrosion resistance High Degree of Precision and Flexibility while conducting the Clinical Procedure.	50					
60	ALICE FORECP 6" Key Feature : German Stainless Steel, Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards	50					
61	CURETOR	50					
62	OVAM FORCEPS Manufactured from AISI 420 German stainless steel. Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards Highly polished finish for aesthetic and corrosion resistance High Degree of Precision and Flexibility while conducting the Clinical Procedure.	30					
63	KOCHER,S FORCEPS Manufactured from AISI 420 German stainless steel. Product Conforms to ISO 9001, CE-Quality Mark, ISO 13485, FDA and other Quality Standards Highly polished finish for aesthetic and corrosion resistance High Degree of Precision and Flexibility while conducting the Clinical Procedure.	30					
64	CO2 Absorber: • Should have double chambered soda lime canister with 1.0 kg capacity each for low flow operation. • Should have visible inspiratory and expiratory valves.	3					

	<ul style="list-style-type: none"> • Should have adjustable pressure relief valve. • Should have bi-stable BAG to VENT switch to change over from Manual to Mechanical ventilation. 						
65	<p>Vaporiser (Halothane and Isoflurane):</p> <ul style="list-style-type: none"> • Should be interlock mounting system to mount atleast 2 nos. of vaporisers. • Should have provision to attach two vaporisers for Halothane & Isoflurane. • Should be of Selectatec type mounting with front control dial knob. • Should be of Key fill type. • Should have glass window for level monitoring. • Should have tool free installation and should have interlocking facility. • Should be temperature and flow compensated with high accuracy of delivered concentration of agent, particularly at low flow. • Should have nominal capacity of 250ml or above volume of Anesthetic agent. • Should be maintenance/service free for atleast 5 years. • Should be CE marked. <p>Accessories:</p> <p>Ø Mox cylinder connector to the machine: 1set. (Both for O2 & N2O) Ø Paediatric circuit: 1No.</p> <p>Ø Adult circuit: 1No.</p> <p>Ø Face mask =2,3,4 size.(one of each)</p> <p>Ø Rebreathing Bag 2 litre for adult and 0.5 litre for paediatric: 2nos. Ø Endotracheal tube 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5 (cuffed) i.e. high volume with low pressure cuff and stelete.</p> <p>Ø Laryngoscope set of 4 size blades: 1Set each for Paediatric& Adult Ø Machine should be supplied with Oxygen cylinder: 2nos. (5ltrs) and Nitrous Oxide Cylinder: 2nos (5ltrs). All cylinders should be filled during the supply of machine.</p> <p>Ø Sodlime jar: 1No. supply & installation of ICU Equipment</p>	3					
66	(AED) DEFIBRILLATOR Description of Function	2					

	<p>Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.</p> <p>Product Quality Standards:</p> <ul style="list-style-type: none"> • Defibrillator should be Bi-Phasic, Portable and latest model • Should monitor vital parameters (ECG, Heart Rate) and display them. • Should print the ECG on inbuilt thermal recorders. • Should work on Manual and Automated external defibrillation (AED) in Biphasic mode. The maximum energy delivered by the device should be upto 200J in manual mode and 150J in AED mode. In AED mode biphasic shocks should be delivered in escalating strengths with inbuilt trans-thoracic impedance compensation. • Should be capable of doing synchronized & synchronized cardio version with CPR feedback. • Can be operated from mains as well as battery • Should have defibrillator self test facility. <p>Power Supply: Power input to be 220-240VAC, 50Hz fitted with Indian plug</p> <p>Warranty: Should have 1yrs. of manufacturer warranty.</p> <p>Make:Philips/Heartsine/Zoll/Defibtech/Cardiac Science/Physio Control/Acco</p>						
67	<p>VOLUMETRIC INFUSION PUMP</p> <p>Technical Specification:</p> <ul style="list-style-type: none"> • Flow rate range: 1 to 1000 ml/hr. in normal mode, 1 ml / hr. increment, Micro infusion mode: 0.1 to 100ml/hr. with 0.1 ml/hr increment. • Flow rate accuracy: Accuracy of $\pm 2\%$ or better. • Infusion time: Adjustable from 1 minute to 96 hours, 1 minutes increments. • Setting mode: Flow rate, flow rate + volume, Volume/time, flow rate +time, Ramp-up / ramp-down, sequential, bolus, Induction / loading dose, microinfusion. • KVO rate: 3 ml / hr. adjustable • Pressure limit: 750 mmHg, adjustable from 	5					

	<p>100 to 900 mmHg (50 mmHg increment)</p> <ul style="list-style-type: none"> • History data log: Up to 500 last data events. • Configuration: Infusion mode, Key board lock, KVO, pressure limit, display of drug name, time and hour setting, language, LCD contrast, alarm sound level, ward name, secret Code, max. allowable flow rate, air bubble size, recall of last parameter on power ON, display mode volume accumulating, end of infusion pre alarm setting. • Should have infusion line disconnection alarm • Should have infusion line pressure monitoring in mm of Hg <p>Power supply: Power input to be 220 – 240V AC, 50Hz fitted with Indian plug of appropriate rating</p> <p>Warranty: Should have 1yrs. of manufacturer warranty.</p> <p>Make: Mindray/Biocare/DRE/Byond/GE Healthcare/Lifeplus/Everest/MEDCAPTAIN/N iscomed/Medtronic/Promed/Scanray/Medit ech</p>					
68	<p>MULTIPARA MONITOR (BASIC)</p> <p>Product Quality Standards:</p> <ul style="list-style-type: none"> • Manufacturer should be ISO 9001 & 13485 certified for quality standards. <p>Technical Specifications:</p> <ol style="list-style-type: none"> 1. Should have the inbuilt facility of monitoring ECG, RR, SpO2, NIBP and dual Temp. for Paediatric to Adult applications. 2. Should be upgradable to dual IBP & Mainstream EtCO2. 3. Should have integrated display of at least 12 inch or more. 4. Should have facility of viewing at least 8 waveforms simultaneously. 5. Should have detection facility for ST segment analysis & arrhythmia detection. 6. Must use pulse oximetry module with facility for display of Plethysmograph, Pulse strength & SpO2 values, which should work on low perfusion & motion. 7. Should have non – volatile Graphical & Tabular trend facility for at least 24-72 	5				

	<p>hrs.</p> <p>8. Should have provision to set alarm limits with alarm levels and alarm indication (visual as well as audio)</p> <p>9. Should have 12 lead ECG measurement and simultaneous monitoring of one temperature.</p> <p>10. Monitor should have built in Electro Surgical Unit & Defibrillator protection</p> <p>Accessories required:</p> <ul style="list-style-type: none"> • NIBP Cuff (Pre term, Term Neonate, Infant, Paediatric, Adult) with hose – 2 No. each • 12 Lead lead ECG Cable – Paediatric (Complete Set) – 01 No. • SPO2 Probe (Neonate, Paediatric) - 01 No. each (Y sensor) • Temp. Probe: 1No. each for Skin & Rectal • Dual IBP Probe: 1Nos. • IBP Transducer (Disposable): 10No. • Mainstream EtCO2 Probe with adapter: 1No. <p>Power Supply: Power input to be 220-240VAC, 50Hz fitted with Indian plug</p> <p>Warranty: Should have Minimum 1yrs. of manufacturer warranty.</p> <p>Make: Niscomed/Philips/GE Healthcare/Medtronic/Mindray/CMS/SIEMENS/ChoiceMMED/Nidek/BPL/Biotronic/Honeywell/Nihon/Spacelabs/SCHILLER</p>					
69	<p>MULTIPARA MONITOR (HIGH END)</p> <p>Product Quality Standards:</p> <p>Technical Specification:</p> <ol style="list-style-type: none"> 1. Advanced high end modular patient monitor having integrated non-invasive, invasive measurement & features suitable for neonate, paediatrics & adult patients. 2. Monitor must have bright, highly visible minimum 19"/20" color TFT display with full touch screen facility. 3. Monitor must have the facility to display minimum 12 waveform or more, along with related numerical parameters on single screen. 4. Monitors must be able to monitor ECG, SpO2, NIBP, Respiration, dual temp, dual IBP, modular EtCO2 and minimally 	1				

<p>invasive Continuous Cardiac Output simultaneously. Out of these mentioned parameters ECG, Respiration, NIBP, SpO2, Invasive pressure and Temperature should be monitored through one server/ module</p> <p>5. Monitor must be ready to be upgraded to connect modules for CO (Thermo dilution), BIS, NMT Module, ICP monitoring, Three IBP, Spirometry, EEG module and it should be capable to monitor all these parameters simultaneously along with parameters mentioned above.</p> <p>6. Monitor should be upgradable to have TcpO2/ TcpCO2 parameter.</p> <p>7. Monitor must have advanced arrhythmia detection and ST Analysis as standard feature.</p> <p>8. System must have minimum 24 hours review data including graphical and tabular trends, arrhythmia event recalls.</p> <p>9. Monitor must have the time linked review function. Monitor must show the waveforms for the time when the arrhythmia occurred in case of arrhythmia recall.</p> <p>10. Monitor must have facility to display 12 lead ECG through 5/6 lead ECG cable.</p> <p>11. Monitor should have ST segment calculations.</p> <p>12. Must have facility to hook up with network printer, at any point of time and able to take print any review data (Trends, Graphs, waveform full disclosure, arrhythmia recall etc.)</p> <p>13. Must have facility to hook up with network printer, at any point of time and able to take print any review data (Trends, Graphs, waveform full disclosure, arrhythmia recall etc.)</p> <p>14. Monitor must be able to connect to central monitoring station and should use single network for all kind of networking with the central station or other hospital information system (HIS).</p> <p>Make: Niscomed/Philips/GE Healthcare/Medtronic/Mindray/CMS/SIEMENS/ChoiceMMED/Nidek/BPL/Biotronic/Hone</p>					
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	ywell/Nihon/Spacelabs/SCHILLER						
70	<p>OXYGEN CONCENTRATOR (Double Outlet) Technical Specification:</p> <ol style="list-style-type: none"> 1. Oxygen concentrator to provide oxygen from ambient air. 2. Oxygen concentration should be measured at the flow meter by oxygen sensing device (OSD) 3. Should have oxygen purity indicator/alarm for low oxygen concentration. 4. Sound level ≤55 dB 5. Superior grade of molecular sieve bed of minimum working hour of 15,000hrs. 6. Integrated Timer should be there. 7. Maintenance free rotary proppet valve. 8. Should have audio and visual alarm for Low oxygen concentration, low pressure and power failure. 9. The unit should be movable and should be provided with four wheels with at least two breaks. 10. Oxygen concentration 90% ±3% at 10LPM flow. 11. Oxygen output, approx: 0.5 to 10 LPM 12. Oxygen outlet Pressure: Minimum 15 psi. 13. Double outlet for oxygen Delivery controlled from two separate pressure compensated flow meter to ensure accurate flow display. 14. Masks: Necessary mask suitable to Neonatal should be provided: 2 sets. <p>Supplied with:</p> <ul style="list-style-type: none"> Ø Spare set of tubing: 2No. Ø Spare set of internal and external filters (bacterial): 2Nos. Ø Humidifier bottles: 2Nos. Ø Cabinet filters: 2Nos. Ø Spare set of fuses: 2Nos. <p>Power Supply Power input to be 220-240VAC, 50Hz fitted with Indian plug Warranty: Should have minimum 1yrs. of manufacturer warranty. Make: Philips/AIRSEP/Invacare/Nidek/Caire/Sequal //Resmed/Niscomed/Scanray/Mindray/Medi tech</p>	3					

*For Estimation purpose only
(**- Freight – Ex Ranchi)

Please check Annexure 1 for Sample product photo