

PREJHA Foundation Reference: 1364-PREJHA08/23/216

REQUEST FOR QUOTATION

FOR

Partner Empanelment for Supply of NICU Nursing Infrastructure

Dated: 9th Aug 2023

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 NICU 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/EPSV2Web/org/PREJHA/home.action>

The information can also be viewed online at the following website.

<https://www.jharkhand.gov.in/paniit>

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 NICU 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	09-08-2023
2.	Start date for seeking Clarification	09-08-2023
3.	Last date for seeking clarification on line from service provider (mjunction Services Limited)	20-08-2023
4.	Bid submission start date (only on-line bid accepted)	24-08-2023
5.	Bid submission end date	24-08-2023 (11:50 PM)
6.	Schedule date for Technical bid opening	24-08-2023 (11:55 PM)
7	Comparative statement preparation by the system	24-08-2023 (11:55 PM)

General terms & Conditions:

1. Detailed BOQ

Sl. No	Item Description	Uo M	Estimated Qty
1	<p>Infant Baby Warmer with Stand (Supply, installation and demonstration) Micro Controller based Electronics Controls: Servo Skin/Manual Mode Pre-warm: Use the equipment with 30% Heater Output in Manual Mode. No need of calibration required for temperature probe. High Intensity Quartz/Calrod Heating element for effective Radiation Halogen Observation Lamp Parabolic Reflector design to send uniform heat to the bed surface. Memory Backup to restore set temperature and previous mode, in case of power failure. Optimum Bed dimensions ensure optimum work space for the nursing staff. Comprehensive Alarms and safety cut-offs. Instant Warming and Uniform heating & Short wave heater ensures instant warming Automatic Safety heater cut-off at 39 C in any mode Controller Electronics: High Speed Micro-controlled Mode of Operation: Servo Skin, Manual Skin Mode control range: 30.0 38.0°C</p>	No	8

	<p>Manual Mode timer: 1 min 15 min (selectable) Percentage of heater output: 10% - 100% in 10% increments Memory Back-up: Equipment restores the previous settings Programmable mute time: The user can select the mute time Safety heater cut-off: If the skin sensor is removed from the baby's skin Over-temperature heater Cut-off: If the skin temperature is >39°C in any Skin/manual mode Temperature sensor (probe): Thermistor sensor Accuracy of skin sensor: ±0.1°C Accuracy of skin probe Interchangeability: ±0.2°C Power rating : ~230V, 50 Hz Max. Heater Wattage: 600 Watts Max. Power requirement : 700 watts Examination lights : 12V, 50W Halogen lamp 2" castor 4 nos (2 with brake & 2 without Brake) Monitor Shelf : 1 no Should have provision to keep undersurface phototherapy light. Height adjustable Operating noise level : <50dbA Alarms Skin sensor is removed from the baby's skin Skin temp high : >1.0°C from the set temperature, Skin temp low : < 1.0°C from the set temperature, Skin temp probe fail: If the Skin probe is short or fail Over temperature: If the skin temp. Is >39°C, Heater Fail System Fail: Electronic component defect Environment Operating temp: 15.0°C to 35.0°C, Storage temp : -20.0°C to 60.0°C, Operating Humidity: 5% to 90% RH, non-condensing Storage Humidity : 0% to 99% RH, non-condensing Altitude: sea level to 1.9 miles Quality: ISO 13485:2016 Electrical & Product Safety : : IEC 60601-1 & IEC 60601-1-2 , IEC 60601-2-21 , IEC 60601-2-50 Should have complied with European CE 93/42 EEC Standards Certification from a Notified body. Preferred Make: Make: DRE/Neotech/Zeal/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care/IBIS/Kenmark/David/TRIMPEKS/Frontline/Fanem</p>		
2	<p>Baby Incubator for NICU(Supply, installation and demonstration) Thermal Performance: Consistent air temperature. Bi-directional air flow. Internal Noise Level: low operating sound levels assure a developmentally supportive environment for infants. Double Wall Hood: Double wall hood is designed to decrease radiant heat transfer between the baby and the incubator wall. The inner wall can be easily removed for cleaning without the use of tools. Air Screen: The Air Screen creates a barrier of warm air when the access panel is open. Electrical Electrical connection : Ac 230 V, 50 Hz, Max Power rating : 370VA Max Incubator with fixed/variable height Heater power rating: 300W, Electronics : Micro controller with self test function Mute Time: 2 min 20 min programable, Incubator control Modes : Servo Air and Servo Skin Co2 level with in the Hood : Less than 0.8% when mixture of Co2 in air is delivered at 750ml/min at a point 10cm above the center of mattress Temperature Accuracy Skin /Air mode : Accuracy ± 0.2 C Max temperature : 39°C Warm-up time : 25-35 min per 10°C (at 23°C Ambient temperature) Initial Temp overshoot : <1.0°C</p>	No	8

	<p>Temperature uniformity : <0.8°C Sensor : Thermistor Probe interchangeability : Accuracy ± 0.2°C (calibration not required) Noise level inside Incubator : <60 db) Air velocity over the bed : <10 cm/sec (at 10cm above the center mattress) Relative humidity : >80% at 10 cm over bed center Air filter capacity : 99% (0.5) Air intake volume with filter: 25 l/min μ & without filter 250l/min Bed tilting (tilting by C clamp) :± 8°up/down SET TEMPERATURE RANGE Air mode : 20°C to 37°C, 37.1°C to 39°C temperature override mode Skin mode : 30°C to 37°C, 37.1°C to 38°C temperature override mode OXYGEN CONCENTRATION Oxygen input 5 lpm : 25% to 45% O₂ Oxygen input 15 lpm : 45% to 70% O₂ Humidification : Low/high <80% Skin temperature low/ high Air temperature high / low Alarms Failure of Air, Air Flow, Heater, Skin Probe, Air Probe, System, Power Temperature 39' in any mode Safety Heater is electronically cut off if air/skin temperature inside the incubator exceeds 39.0°C IEC 60601-1 Specification Type of protection against electric shock: Class 1 Mode of Operation: Continuous Electrical Safety: IEC 60601-1 & IEC 60601-1-2 , IEC 60601-2-19, Weight : Min 50 kg Height of bed from floor : 900 mm Dimensions of bed : 700 mm x 400 mm Castors : 4" diameter antistatic (2 locking and 2 non-locking) IV Maximum load : 1.5 kgs Maximum Monitor load : 3.0 kgs Maximum baby weight to be: 5.0 kgs Should have complied with CE> Preffred Make: Neotech/Zeal/V-care/IBIS/Kenmark/Frontline/SST/Electromeg/Comen/Bistos/Fanem/VNG/Phoenix/Ziraffe/BPL/Dragor</p>		
3	<p>Baby Bassinet / Baby Cradle for NICU (Supply, installation), to be used with phototherapy light. The system should be detachable fire retardant enclosure for light source Adjustable Height Should have provision to undersurface phototherapy Can be used with standing phototherapy The unit can also be usable as observation trolley. Bed Size approximate: 50x75 cm Height : Adjustable from 400 to 600 cm the units should have anti-static 2" castor 4 nos, 2 with brakes</p>	No	8
4	<p>Phototherapy Unit(Standing with Stand) , Moveble with 2-4 Wheels The LED's of each unit should be therapeutic high wattage blue & white LEDs, Min 12 Nos The Wavelength should be between 455 to 465nm The high irradiance at skin level should be > 45μw/cm²/nm at a distance of 30 cm Should have an uniformity ratio of > 0.40 The LED Lamps used should be rated to last up to 20,000 hrs Should have dual digital cumulative hour timer for LED usage and patient exposure The light source system should have overheat protection with power cutoff for temperature Uniform Light distribution</p>	No	8

	LED Unit Tilt up to 90 Degree and allowing use with warmer IEC 60601-1 Specification Type of protection against electric shock : Class 1		
5	<p>Undersurface phototherapy Light</p> <p>The LED's of each unit should be therapeutic high wattage blue & white LEDs, Min: 12 nos The Wavelength should be between 455 to 465nm The high irradiance at skin level should be > 45µw/cm2/nm at a distance of 30 cm Should have an uniformity ratio of > 0.40 The LED Lamps used should be rated to last up to 20,000 hrs Treatment Timer ensures auto cut-off when elapsing the set time No infrared rays ensures minimize the water loss Should have dual digital cumulative hour timer for LED usage and patient exposure The light source system should have overheat protection with power cutoff for temperature Uniform Light distribution LED Unit can be usesable with warmer IEC 60601-1 Specification Type of protection against electric shock : Class 1</p>	No	8
6	<p>Neo Ventilator (HFO) (Supply, installation and demonstration)</p> <ol style="list-style-type: none"> 1. Invasive, non invasive , O2 Theraphy(HFNC) 2. Min 13 " Large Color touch display 3. Basic Modes: VC AC, VC SIMV, PC AC, PC SIMV, CPAP-PSAV + advance mode (PRVC, APRV, BiPAsic , MMV) 4. Ncpap, Nippv Modes for Neanates 5. Inbuilt nebuliser 6. 3 Wave forms/ 3 Loos/trends 7. 32 Patient parameter 8. Inspiratory hold/Expiratory Hold/PO.1 /Intrinsic PEEP, Lung Recruitment Maneuver (P-V tool), proportional pressure support <p>Cerification: CE certified, ISO and IEC certified</p> <p>Prefferred Make: Acutronics/BPL/Hamilton/SCHILLER/Maquet Servo/GE/Comen/Philips/Drager/Siemens/Medisys/vyaira/tecme/Metran/Fanem/Getinge/Briovent/Advi n/Narang/Skanray/Lifeline/Billicare/Magnamed/SLE/Medi/ Honmed/ Medtronic/Resmed/Smith/Becton/Mindray/Trivitron/Medtronic/Resmed/Newport/</p>	No	8
7	<p>Bubble CPAP (Supply, installation and demonstration)</p> <p>Should have latest technology and capable of giving Bubble CPAP therapy to neonates for Preterm and Term Babies Weighing from 400 gms , also capable of giving HFNC therapy to neonates and pediatric cases. Machine should have options to be used as Bubble CPAP, HFNC, Nasal CPAP and T - Piece Resuscitator Should have LCD Touch Screen 4" & above graphical display Should have digital Real Time Airway Pressure Monitoring and displayed on screen Should have digital Real Time Fio2 Monitoring and displayed on screen Should have built in compressed Air Source & no external air compressor should be required or mounted on trolley or taken from central air source Should work with Low Flow Oxygen Input with maximum input flow of 15LPM and 1 Bar input pressure Should have inbuilt blending mechanism for FIO2. Should have good quality calibrated blender for mixing of Air and Oxygen with selectable FIO2 (21% to 100%). The machine should have loss less blending mechanism & FIO2 monitoring. Equipment should also work without oxygen input Should have builtin saftey valve with preset mode specific safety cutoff Should have universal connections for circuit and attachements Should have inbuilt battery back-up upto 2 hours Should have Settable Audio & Visual alarm for Low Pressure, High Pressure & Safety Pressure Cutoff Limit Should be able to be mounted on the mobile stand for easy moving, and the stand should be equipped with Bubble Generator Holding clamps with easy fixation. Should be able to set output flow of 1-10 LPM</p>	No	8

	<p>Can set FiO2 from 21-100 % Accuracy of Flowmeters should be +/- 4% Accuracy of pressure measurement should be +/- 1 cmH2O Accuracy of FiO2 should be +/- 3% Should be able to set CPAP pressure in Bubble CPAP mode from 3 - 10 cmH2O Should be able to set CPAP pressure in Nasal CPAP mode from 0 - 15 cmH2O Settable pressure in Auto T - Piece Mode should be - PEEP: 0 - 15 cmH2O & PIP: 10 - 40 cmH2O Should have settable as well as inbuilt Safety Over Pressure Valve up to 40cm H2O Should be supplied by Manufacturing company having ISO 13485 certifications & CE for medical devices Manufacturer should be an Indian company with product made in India Should be provided with Single Use Nasal Prongs (Small, Medium, Large) Single Use Nasal Masks (Small, Medium, Large), Single Use Head Bonnet (Small, Medium, Large, XL) Single Use RAMS Cannula (Small, Medium), Single Use Neonatal Patient Circuit with Single Heater wire and Humidifier Chamber with autofeed Should have audio - visual alarm Should be provided with US FDA-certified Servo Humidifier Temperature Sensor Probe and Heater Wire Adaptor Humidifier Specification Mode – Should have Auto mode servo controlled for invasive, noninvasive ventilation & High Flow Default Setting – Should be 37 °C (invasive), 31 °C (noninvasive) Should have an automatic temperature setting in invasive & non-invasive mode Temperature display Should have the following alarms: Temperature Sensor, Limb Failure, Chamber & Patient End Temperature Alarm Silence facility Electrical Specs. – Input Voltage 220-240 V / 110-127 V / 100V; 50/60Hz Standards – IEC 60601-1, IEC 60601-1-2, EN ISO 8185, CE Certified, USFDA Preferred Make: Fisher & Paykel/Drager/Biomed/Hamilton/Electrogenics/Fanem</p>		
8	<p>Pulse Oxymeter (Supply, installation and demonstration) Hand Held Pulse Oximeter with Enhanced Spo2 Accuracy during Motion artifacts and Waveform and Numeric Value display 2.4" OLED Color Display 96 hours Data Memory Suitable for Adult, Pediatric and Neonatal application Mains as well as Battery operation Visual alarm indicator Hand Held Unit with Standard Accessories: Spo2 Sensor with extension cable Adapter for Mains connection Adaptor for Mounting Hand Held Unit Operating Manual Manufacturer should be ISO 13485 certified</p>	No	8
9	<p>Multipara Monitor (Supply, installation and demonstration) Should have facility to display ECG, RR, HR, PR, Spo2, NIBP, single Temperature as standard parameters with in built rechargeable battery back up of at least 6 hrs of operation. Display: Touchscreen Color TFT LCD display of size 8" or more. Should display at least 4 waveforms or more of dual trace ECG (Cascaded ECG), SpO2 and respiration simultaneously. Should have ST Analysis & Arrhythmia Analysis Should have Digital technology to sense the SPO2 in hypotensive, shivering & motion condition. Should have facility for displaying different screen configurations. Should have audio visual alarms for all parameters & should be user selectable Should have audio alarm silence selectable for 60 sec / 120 sec</p>	No	8

	<p>Should have volume adjustable for Audio Alarms</p> <p>Should have different color visual alarms as per set priority</p> <p>Should have audio for QRS beep and volume should be adjustable</p> <p>Should be able to store & display at least 72 hrs of graphical trends of all parameters.</p> <p>Should be suitable for monitoring adult & pediatric patients.</p> <p>Should be able to give visual & audible alarms with three levels of volume adjustment on violation of any monitored parameter.</p> <p>The monitor should be European CE approved.</p> <p>Should be ISO 13485 certified.</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>		
10	<p>Syringe Pumps ((Supply, installation and demonstration)</p> <p>Display should be 3.5 inch Backlit Color LCD or Touch</p> <ol style="list-style-type: none"> 1. Should have Multiple Infusion Modes (Rate mode, Weight Mode ,Time mode, Sequence mode) 2. Should have 9 Occlusion Levels 3. Should be support syringes of all standard brands 4. Should have Auto-detection of syringe size 5. Should Compatible with 5, 10, 20, 30 and 50(60)ml syringe 6. Built-in Drug library (100 drugs) 7. Should have infusion rate:0.1-2000ml/h,0.01ml/h (0.01ml/h increment till 100 ml/hr , 0.1ml/h increment from 100-1000ml/h and 1ml/h increment from 1000-2000ml/h) 8. Should have Bolus rate:0.1-2000ml/h 9. Should have KVO 0.1-5ml/h 10. Backup power for minimum 6 hours (Optional 12 hours) 11. Quoted item should be USFDA/ European CE with 4 digit notified body. 12. BIS approved or Manufacturer should be ISO 13485 certified <p>Preferred Make: Mindray/Biocare/DRE/Byond/GE Healthcare/AKAS/Skanray/BPL/DRE/Braun/Fresenius/Contec</p>	No	8
11	<p>Infusion Pumps (Supply, installation and demonstration)</p> <p>VOLUMETRIC INFUSION PUMP</p> <p>Technical Specification:</p> <p>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.</p> <p>Flow rate accuracy: Accuracy of $\pm 2\%$ or better.</p> <p>Infusion time: Adjustable from 1 minute to 96 hours, 1 minutes increments.</p> <p>Setting mode: Flow rate, flow rate + volume, Volume/time, flow rate +time, Ramp-up / ramp-down, sequential, bolus, Induction / loading dose, microinfusion.</p> <p>KVO rate: 3 ml / hr. adjustable</p> <p>Pressure limit: 750 mmHg, adjustable from 100 to 900 mmHg (50 mmHg increment)</p> <p>History data log: Up to 500 last data events.</p> <p>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.</p> <p>Should have infusion line disconnection alarm</p> <p>Should have infusion line pressure monitoring in mm of Hg</p> <p>Power supply:</p> <p>Power input to be 220 – 240V AC, 50Hz fitted with Indian plug of appropriate rating</p>	No	8

	<p>Battery Backup: 3-6 Hour</p> <p>Quoted item should be USFDA/ European CE with 4 digit notified body.</p> <p>BIS approved or Manufacturer should be ISO 13485 certified.</p> <p>Warranty: Should have 1yrs. of manufacturer warranty.</p> <p>Make: Mindray/Biocare/DRE/Byond/GE</p> <p>Healthcare/Niscomed/AKAS/Skanray/BPL/DRE/Braun/Fresenius/Contec</p>		
12	<p>Cardiac table (Supply, installation)</p> <p>Cardiac Table "Hospital adjustable Table</p> <p>Hospital table made with mild steel material</p> <p>Laminated board Top</p> <p>Mounted on four 5 cm swivel castors</p> <p>Manually adjustable Height</p> <p>Epoxy powder coated</p> <p>Top size:-76(L)*40(W)cm</p> <p>Height:-76/106c"</p>	No	8
13	<p>Blanket Phototherapy (Supply, installation and demonstration)</p> <p>fibre optic based technology</p> <p>Features:</p> <p>Spectral Irradiance:</p> <p>Small pad - 70 μW/cm /nm (+/- 25%) and 9 point check</p> <p>Large pad - 49 μWcm /nm (+/- 25%) and 6 point check</p> <p>Wavelength: 460-470 nm</p> <p>Fiberoptic lightpad, Small : 12 x 30 cm (light-emitting area)</p> <p>Fiberoptic lightpad, Large : 20 x 33 cm (light-emitting area)</p> <p>15000-20000 Hour LED Capability</p> <p>Safety: No UV/IR/ emission</p> <p>Length of fibre bundle: approx 170 cm</p> <p>Sound level : <44 db at 1m</p> <p>Power Rating: 30W</p> <p>Device Automatically shuts off in the event of light engine over heating.</p> <p>Should have complied with European CE 93/42 EEC Standard Certification from a Notified Body</p> <p>ISO 13485 Certified</p> <p>Preferred Make:Bilihu/Biophoton/Neotech/BPL/IBIS/Phoenix</p>	No	8
14	<p>Ambu Bag for NICU for providing critical care during cardiopulmonary resuscitation, for patients undergoing endotracheal intubation or surgery under general anesthesia in NICU</p>	No	24
15	<p>Laryngoscope set for NICU</p>	No	16
16	<p>Diaper Weighing Machine</p>	No	8
17	<p>Baby Weighing Machine</p>	No	8
18	<p>POC ABG Machine (Supply, installation and demonstration)</p> <p>Analyzer should be small lightweight (<1kg) handheld capable of measuring pH, pCO₂, pO₂, Na⁺, K⁺, Ca⁺⁺, Cl⁻, Glucose, Lactate, Creatinine/BUN & Hematocrit.</p> <p>Calculated parameters: cHb, ctCO₂, BE, BEecf, sO₂, HCO₃, eGFR, A-Gap, A-aDO₂.</p> <p>All the parameters should be performed simultaneously on a single-use disposable test card.</p> <p>Fast analysis time of less than 1 minute after sample introduction.</p> <p>Analyzer should accept a small sample size of less than 100 μl.</p> <p>Input: Patient ID, Age, Gender, Height, temperature, FiO₂, Sample type.</p> <p>Sample types: Arterial, Venous Cord & Capillary whole blood.</p> <p>The analyzer should have the provision of storing at least 1000 patient and QC results.</p> <p>Should display normal, outside reference range & Critical patient results with color-coded tiles.</p> <p>The test cartridges should be self-contained with all the sensors & reagents and should not be separate.</p> <p>The test cartridges should be room temperature storable without the requirement of refrigeration.</p> <p>The Analyzer should be provided with a dedicated wireless thermal Printer.</p> <p>The Analyzer should use Amperometric, Potentiometric, and Conductometric principles for</p>	No	8

	<p>measurement.</p> <p>The Analyzer should have in-built barcode readers for expiry control and patient data entry.</p> <p>Analyzer should have dual-power operation through AC adapter and/or rechargeable Li-Ion battery.</p> <p>Analyzer should have on-board animation videos for user guidance.</p> <p>Should have wireless connectivity facility for HIS/LIS, remote updates etc.</p> <p>Should be USFDA and CE certified for all products and parameters. Preferred Make: Abbott/Siemens/Radiometer/Edan</p>		
19	<p>Jaundice Meter</p> <p>A simple, effective, portable non-invasive jaundice meter quick and easy to obtain bilirubin readings with minimal disturbance to the baby Advanced optics and processing for highest accuracy Suitable for screening infants from 35 weeks' gestation Power input: 3 Vdc(2AA batteries) Measurement range: 0-32mg/dl measurement accuracy: ±1.5 mg/dl operating temperature: +10 to 50 C Compliance: EN 60601-1</p>	No	8
20	<p>Vein Viewer</p> <p>Inbuilt rechargeable battery 3 intensity mode Android charger 8 Led total(6 red+2 Amber) ISO 9001:2015, ISO 13845:2013, GMP, And CE certified</p>	No	8
21	<p>Embrace Warmer (Supply, installation and demonstration)</p> <p>1. The Embrace Warmer uses an effective phase change material to stabilise rapidly the temperature of an infant suffering from hypothermia. 2. The Embrace Warmer is light and portable. The baby can be held in the mother's arms when the warmer is being used. 3. Hygienic & Durable: It can be reused several times. Cleaning is easily done using soap and water.</p> <p>Maintains temperature of ~37 degree C for at least 4 hours* (380mm x 220mm, 1.3kg) Precision heating mechanism prevents overheating Duration of at least 4 hours at ambient temperature greater than 25 C Does not require constant power supply approx 15 watt of power consumption Preferred Make: Phoenix/Philips/Neotech/GE Healthcare</p>	No	8
22	<p>Oxygen hood for NICU (Infant use)</p> <p>Transparent and curve-shaped OXYGEN HOOD for neonatal oxygen therapy made with medical grade polycarbonate material. Medical grade silicone flaps in the head opening area to adjust the neck size and make sure optimum oxygen concentration. SMALL - 21 cm (Diameter) - 16.5 cm (Height) - 12 cm (Neck Opening) MEDIUM - 21 cm (Diameter) - 19 cm (Height) - 14cm (Neck Opening). Accessories to be provided: Tubings-01. Shapes have enough space for baby head movement. Its comes without any sharp corners and easy to clean and disinfect. The manufacturer should be ISO 13485 certified. Fully autoclavable. Make: Neotech/VNG/David/IBIS</p>	No	16
23	<p>Crashcart</p> <p>Crash Cart SS Frame 304 Overall Approx size 940mm L x 490 mm W x 1535 mm H Stainless Steel Tubular Frame</p>	No	8

	Six Removable Plastic Bins & Two Polystyrene Lockable Storage units with Three Drawers Each Four Swivel Castors, 150 mm Dia (Two with Brakes) Complete with Corner Buffers, Oxygen cylinder Holder, S S I V Rod, S S Top & Shelves, Cardiac Massage Board SS 304		
24	BPC O2 flowmeter with jar Usage NICU Flow Rate 15 L/min Display Analog Tube Cover Material Poly Carbonate Body material Brass Accuracy (Flow rate) +- 3%	No	16
25	Portable Suction Machine - Technical Specifications: Minimum Flow Rate: 17 LPM Minimum Collection Capacity: 600 ml Make: Philips/Omron/Drive DeVilbiss Healthcare/ResMed/Niscomed/Oxymed/Lifeline/Rossmax	No	16
26	Cold Light Source (Supply, installation and demonstration) Use: Cold Light source is used for accessing tiny arteries and veins of the babies Should have light intensity controlled with a smooth rotary potentiometer pressing button Should have minimum dual control having 2 halogen/xenon/led lamps Should have SMPS-based design ensures smooth working of the light source within the voltage variation. Dimensions/Weight: length280mm, width 220mm, height from the floor:130mm Weight up to 5kg Heat dissipation Heat is disbursed through an exhaust fan (if applicable). Portability Hand-held device Power requirements 230VAC + 10%, 50 Hz Operating Range: +15°C to 35°C environment Storage Range: -10°C to 60°C environment Humidity: Operating Range: 15% to 90% RH Non-Condensing Storage Range : 50% to 90% RH Variable Intensity : 0 to 100% continues. Optical Cable: 6mm Diameter & 1m Length ON time: 5min & 10min selectable. Display parameters :% of intensity, usage hours & timer Alarm indication: Fan fail, Temperature Sensor fail, Light source over temperature. Preferred make: Neotech/Zeal/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care Certifications: Quality: ISO 13485:2016, Electrical Safety: IEC 60601-1, EMC Safety: IEC 60601-1-2 Should complied with European CE 93/42 EEC Standard Certification from a Notified Body Spares: Illumination lamps: 2 nos. spares Preferred make: Neotech/Zeal/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care	No	8
27	Dressing Trolley with Bowl & Bucket for use in NICU S.S. Frame work S.S. Shelves with four side railing On Castors Size : 76 x 46 x 81 cm	No	8
28	Instrument Trolley SS with 4" Wheels Overall size 60 L x 45 W x 80 H cms MS Tubular Construction with SS Top & Shelf Three Side Guard Railing on Upper shelf SS 304	No	8
29	Revolving Stool Four Legs S S Tubular Construction S S Revolving Top Adjustable Height with M S Screw Mechanism Epoxy Powder Coated	No	8

30	IV Stands I.V. Stand, 31" dia 2- hook IV stands wheel mounted on a plastic base with MS Pipe , adjustable height from 55" to 95"	No	8
31	Infant T-Piece Resuscitator (Supply, installation and demonstration) can deliver oxygen levels ranging from 21% through to 100%, from a flow meter or blender. The resuscitator has a PIP control, as well as a maximum pressure relief valve that prevents the accidental delivery of excessively high pressures. resuscitator should features an accurate, easy-to-read, medical quality manometer, and can be mounted on a pole, rail, wall, infant warmer, or incubator. Manometer Range -20 to 80 cmH2O [mbar] Manometer Accuracy +/-2.0% of Full-Scale Deflection Maximum Pressure Relief @ 7LPM 1 to 66 cmH2O O [mbar](dependent on flow rate) Storage Range: 40% to 90% RH Non-Condensing Operating Range: 15% to 90% RH Non-Condensing Recommended Patient Body Weight 0 to 10 kg (22 lb) Delivered Oxygen Concentration Up to 100% depending on the gas supply Operating time* (400 L cylinder) 50 minutes @ 8 L/min components: gas supply line; gas inlet adaptor; test lung; spare max pressure relief Quality/Test approval Quality: ISO 13485:2016 Device Standard: ISO 10651-5 ISO 10993 MDD Product classification: class IIb Protection against increase of liquid : IPX4 European CE Certified Preferred make: Zeal/Fisher& Paykel/Neotech/GE Healthcare/Neotech/Flexicare	No	8
32	Oxygen panel and Piping (Supply, installation and demonstration) Minimum 3 Oxygen Outlet. Pipe should be of ISI mark. approximate Piping lenth: 10 ft Pipe thickness must be of 12mm. Mox regulator should be there to control the pressure. Angle & T Copper	No	8
33	Oxygen cylinder (Filled) (Supply, installation and demonstration) Jumbo Type with regulator and trolley	No	8
34	SYRINGE PUMP STAND (Supply & installation) No. of shelves: 1 shelf 2 Saline Hook Framework material: SS Mounted on Moveble Caster/Wheel with electrical socket where 8 Syringe pump can be plugged	No	8
35	Observation Trolley Soft Mattress for comfortable Baby laying Large working Area Mattress Tilt $\pm 30^\circ$ on both side Provision to take X-Ray without disturbing the baby 4 nos collapsible Acrylic panels with Plastic hinges 4" castor 4 nos (2 with brake and 2 without brake) Storage Tray option Underneath the bed	No	8
36	Hospital Child Bed 1650x780x630, height adjustable side rail, back rest lifting angle. Epoxy Powder Coated	No	4
37	ICU Bed Motorized Electric operated Five Functions Motorized Hospital Bed Electrically operated with Luxury castors Central locking	No	2

	<p>Size: 2120X1000X460-720mm (LxWxH)</p> <ul style="list-style-type: none"> • Function at Back Rest, Footrest, Hi/Lo Adjustment, Forward Tilting, Backward Tilting with Cable Remote Control. • Epoxy Powder Coated Bed Frame, Mounted on Central Locking Luxury Castors. • Bed Board Link of Soft, PP Hiding Side Rails. <p>Quick release handle at back side Pillow and Mattress 4" thick made of PU Foam with one side Rexine & other side cotton cloth With Food Table and Bed side Locker Make: Hill-Rom/Stryker/Getinge/Linet/Invacare/Paramount/Arjo/Joerns /Drive DeVilbiss/Skytron/Steris or equivalent brands having Bed production facility of US FDA registered. Bed to be European CE and facility to be ISO 9001, 14001 and 13485 approved</p>		
38	<p>ICU Bed, Manual Five Functions Motorized Hospital Bed manually operated with Luxury castors Central locking Size: 2120X1000X460-720mm (LxWxH)</p> <ul style="list-style-type: none"> • Function at Back Rest, Footrest, Hi/Lo Adjustment, Forward Tilting, Backward Tilting with Cable Remote Control. • Epoxy Powder Coated Bed Frame, Mounted on Central Locking Luxury Castors. • Bed Board Link of Soft, PP Hiding Side Rails. <p>Quick release handle at back side Pillow and Mattress 4" thick made of PU Foam with one side Rexine & other side cotton cloth With Food Table and Bed side Locker Make: Paramount/Arjo/Joerns /Drive DeVilbiss/Medline /Savion/Khera/SNG/Narang/BPL/Sigma/ACME/Prana or Equivalent Brands</p>	No	2
39	<p>Glucometer Technical Specifications for Glucometer: Measurement Range: 20 to 600 mg/dL (1.1 to 33.3 mmol/L) Accuracy: ±10% deviation from laboratory reference values Sample Size: Maximum 0.5 microliters of blood per test Testing Time: Maximum 10 seconds Memory and Data Management: Minimum memory storage capacity of 500 test results, with data transfer capability to electronic medical record systems or computers Display: Clear and easy-to-read display, preferably with a backlit feature for enhanced visibility Power Source: Long-lasting battery life, support for disposable batteries and rechargeable options, with low battery status indication Make/Brands: Accu-Chek (Roche)OneTouch (LifeScan)/Dr. Morepen/Johnson & Johnson/Omron/ Bayer Contour/ Beurer/Abbott /Apollo/Smart Care</p>	No	10
40	<p>Bp Apparatus Manual (Mercury) ISO / CE Standard Included Components Adult size Cuff with velcro closure , owners manual , Mercury Fixed ready to use Item Weight 450.0 grams Material Type Forged Number of Items 1 Size Regular Special Features High Accurate Readings Specific Uses For Product Clinic Long Lasting Heavy Duty Silicone Tubings CE Certified , 4.2 mm Capillary & Hard Metal Body Product should include all the necessary accessories required for intended use. Clear Reading Make: diamond/Romson/Dr Trust/Philips/GE/BPL/Omron/Rossmax/HealthSense/Beurer</p>	No	10
41	<p>Digital Bp Apparatus Manual ISO / CE Standard Included Components Adult size Cuff with velcro closure , owners manual Type: Upper Arm, Fully automated Display: LCD</p>	No	10

	<p>Measurement Method: OSCILLOMETRIC METHOD Minimum Pressure Measurement Range: 20 mmHg Maximum Pressure Measurement Range: 280 mmHg Minimum Pulse Measurement Range: 40 beats/min Maximum Pulse Measurement Range: 180 beats/min Pulse Measurement Accuracy: +5 Pressure Measurement Accuracy: +3 Size Regular Special Features High Accurate Readings Specific Uses For Product: Clinic, training nurses Long Lasting Heavy Duty Silicone Tubings Product should include all the necessary accessories required for intended use. Make: Dr Trust/Philips/GE/BPL/Omron/Rossmax/HealthSense/Beurer/Romson/Diamond</p>		
42	<p>NIBP (Non-Invasive Blood Pressure) Machine:</p> <ol style="list-style-type: none"> 1. Measurement Range: <ol style="list-style-type: none"> 1.1. Systolic Pressure: 40-260 mmHg 1.2. Diastolic Pressure: 20-200 mmHg 1.3. Mean Arterial Pressure (MAP): 30-240 mmHg 2. Measurement Method: <ol style="list-style-type: none"> 2.1. Non-invasive measurement using inflatable cuff 2.2. Utilizes oscillometric or auscultatory method 3. Accuracy: Provides clinically acceptable blood pressure readings 4. Cuff Size: Multiple sizes available for different arm circumferences 5. Display: Clear display of blood pressure measurements and additional information 6. Memory and Data Management: Stores and retrieves previous readings, data transfer capability 7. Power Source: Battery or mains power, battery option for portability <p>Brands: Omron / Philips / GE Healthcare / Welch Allyn / Nihon Kohden / Dräger / Mindray / Schiller / BPL Medical Technologies / Contec Medical Systems</p>	No	2
43	<p>Stethoscope "Dual non-stick acoustic tubing provides insulation for superior sound Included accessories: 2 extra sets Comfort Seal ear tips, spare adult and pediatric clear PVC diaphragms, pediatric diaphragm assembly, pediatric bell, infant bell and ID tag Intended use: Adult, Infant, Pediatric" approximate weight: 150-250 gm Earpieces: Earpieces should occlude your ear and block out most or all room noise. They should be comfortable yet snug and should follow the natural forward angle of the ear canals. Tubing: The tubing should be sturdy and no longer than absolutely necessary. Head: The head of the stethoscope should have a bell (a cup-shaped side) and a diaphragm Manufacturer is certified for ISO 13485 Medical devices. Brands: Littmann/Rossmax/Romson/HealthSense/Technocare/Omron/MDF</p>	No	10
44	<p>Ultrasonic Mesh Nebulizer Machine Technical Parameters: Nebulization Technology: Ultrasonic mesh for fine aerosol production. Medication Compatibility: Works with a range of medications. Particle Size: Produces small particles for effective inhalation.</p>	No	8

	<p>Silent Operation: Quiet for patient comfort. Battery Life: Long-lasting for portable use. Dosing Control: Precise medication delivery. Easy Maintenance: Simple disassembly and cleaning. Portability: Compact and lightweight design. User Interface: Intuitive controls for easy operation. Mask Compatibility: Suitable for various mask sizes. Certification: Complies with relevant industry standards. Make: 1. Philips/Omron/Dr. Morepen/Rossmax/Agaro/HealthSense/BPL/Beurer/Dr. Trust</p>		
45	<p>Nebulizer for NICU Particle Size: Fine aerosol particles for neonatal inhalation. Medication Compatibility: Suitable for various NICU medications. Silent Operation: Quiet operation for infant comfort. Dosing Accuracy: Precise medication delivery control. Continuous Nebulization: Capable of extended treatment. Oxygen Compatibility: Accommodates oxygen therapy. User Interface: Intuitive controls for easy use. Safety Features: Prevents overmedication risks. Compact Design: Space-efficient for NICU placement. Easy Maintenance: Disassembles for cleaning. Mask Compatibility: Fits neonatal masks. Certification: ISO-compliant manufacturing. Make: 1. Philips/Omron/Dr. Morepen/Rossmax/Agaro/HealthSense/BPL/Beurer/Dr. Trust</p>	No	8
46	<p>Oxygen Concentrator (Supply, Installation and demonstration): for Use in NICU Oxygen Concentrator 5 LPM: Flow Rate: 5 liters per minute Oxygen Purity: Typically around 93% (+/- 3%) Power Source: Electric (AC) Weight: Standard range, usually between 14 to 18 kg Dimensions: Compact and portable design Noise Level: Low decibel range for quiet operation Filters: Built-in air intake filters for clean air supply Oxygen Delivery: Continuous flow mode User Interface: Intuitive controls and LCD display Alarms: Visual and audible alarms for low oxygen concentration and power failure Accessories: Nasal cannula, humidifier bottle, filter replacements Compliance: Designed for medical use and regulatory compliance Make: Philips/DeVilbiss/Nidek/Inogen/Oxymed/AirSep</p>	No	8
47	<p>12 Channel ECG Machine with Monitor and Electrodes Technical Parameters: - Channels: 12 simultaneous channels for comprehensive cardiac monitoring. - Electrodes: High-quality electrodes for accurate signal acquisition. - Display: Clear display of 12-lead ECG data for real-time analysis. - Printing: High-resolution printing for detailed ECG reports. - Sampling Rate: High sampling rate for precise waveform capture. - Interpretation: Built-in ECG interpretation algorithms for efficient analysis. - Filters: Signal filters to eliminate interference and ensure accuracy. - Recording Speed: Adjustable recording speeds for various assessments. - Connectivity: USB or Bluetooth connectivity for data transfer. - Battery Backup: Reliable battery backup for uninterrupted operation. Make: GE Healthcare/Philips/Schiller/BPL/Nihon Kohden/Edan Instruments/Mindray/Cardiac Science/Contec</p>	No	2
48	<p>Steriliser Make: GOLEY / SURYA or Equivalent</p>	No	4

49	<p>Spring balance</p> <p>Medical Spring Balance - Technical Specifications:</p> <ul style="list-style-type: none"> - Wide Measurement Range - High Accuracy - Durable Construction - Clear Display - Tare Function - Overload Protection - Portable Design - Easy Calibration 	No	4
50	<p>Intrauterine device (IUD) that's inserted into the uterus for long-term birth control (contraception). T-shaped plastic frame has copper wire coiled around the stem and two copper sleeves along the arms that continuously release copper to bathe the lining of the uterus. It produces an inflammatory reaction in the uterus that is toxic to sperm, which helps prevent fertilization.</p>	No	4
51	<p>Pelvimeter</p> <p>Pelvimeter - Technical Specifications:</p> <ul style="list-style-type: none"> - Material: High-quality Medical Grade Materials - Measurement Range: Suitable for Various Pelvic Measurements - Accuracy: Precise Measurement Graduations - Easy-to-Read Scale - Lightweight and Portable Design - Ergonomic Handle for Comfortable Use - Durable and Long-lasting Construction - Suitable for Clinical and Educational Use 	No	4
52	<p>Delivery Couch - Technical Specifications:</p> <ul style="list-style-type: none"> - Convertible Design: Easily Converts into Operating Table for Emergency Caesarian Section - Adjustable Backrest for Patient Comfort - Removable Headboard for Versatility - Leg Supports for Secure Positioning - Removable Foot Section for Accessibility - Height Adjustable: Minimum 60 cm, Maximum 90 cm - Smooth Mobility: Equipped with Diagonally Lockable 12 cm Diameter Castors - Corner Bumpers for Protection - Removable Drain Pan for Easy Cleaning 	No	2
53	<p>Foetal Dopler - Ultrasound frequency: 3MHz Ultrasound intensity: <10mW/cm² Power supply: Alkalinity battery Display: 45mm×25mm LCD FHR Measuring range: 50~240bpm FHR resolution: 1bpm FHR accuracy: ±1bpm Power consumption: <1W Dimension :135mm ×95mm ×35mm Weight:500g Configuration: Main body 3MHz probe Feature Table: Functions: Display B/W Backlight:Yes Build-in speaker : Yes Battery indicator:Yes FHR display: Yes Auto power off: Yes Various work modes :Yes Alkalinity battery:Yes Make: Life Line / BPL/DIPEL/Phillips/Sonoline/Angelsounds/Huntleigh/Bistos/Contec or equivalent</p>	No	2
54	<p>Automatic Hematology Analyzer:</p> <p>Specifications: Measurement Parameters:</p> <p>Complete Blood Count (CBC): Hemoglobin, Hematocrit, Red Blood Cells (RBC), White Blood Cells (WBC), Platelet Count, Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), Red Cell Distribution Width (RDW), and other relevant parameters. Differential Blood Count: Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, and other relevant subtypes. Throughput: High throughput capacity capable of processing a large number of samples per hour, ideal for high-volume laboratories and hospitals. Sample Types: Accepts various sample types, including whole blood, serum, plasma, and diluted samples. Sample Volume: Minimal sample volume required for analysis to minimize patient discomfort and conserve sample volume. Automation: Fully automated operation for sample handling, analysis, and result generation. Automated sample identification and barcode scanning for sample tracking and data integrity. Analysis Method: Utilizes advanced impedance or flow cytometry technology for accurate and reliable blood cell analysis. May</p>	No	8

	include laser-based optical systems for specific measurements. User Interface: Intuitive and user-friendly graphical interface for easy operation and navigation. Touchscreen display with clear visualization of data and results. Connectivity: Built-in connectivity options such as Ethernet, USB, and LIS (Laboratory Information System) integration for data transfer, result reporting, and remote access. Quality Control: Integrated quality control features to ensure accuracy and precision of results. Calibration options and automated quality control checks to maintain instrument performance. Maintenance: Self-diagnostic capabilities for proactive maintenance and troubleshooting. Automated cleaning and maintenance routines to ensure instrument reliability and longevity. Size and Weight: Compact and space-saving design suitable for laboratory environments. Portable options available for on-site or point-of-care testing. Power Requirements: Operates on standard electrical power supply (e.g., 110-240V, 50-60Hz). Compliance: Meets relevant regulatory standards and certifications (FDA, CE, ISO). Make: Sysmex Corporation/Beckman Coulter Inc./Siemens Healthineers/Abbott Laboratories/Mindray Medical International Limited/Roche Diagnostics/Horiba Medical/Nihon Kohden Corporation/Boule Diagnostics /ERBA/Bio-Rad		
55	Laryngoscope Sets, S.S. (With S.S. handle) Satin / Dull Finish, with 4 S.S. blades Size: 1,2,3 & 4	No	16
56	Nasal Cannula Delivers:24-30% oxygen, Flow rate :1-4L/min, Manufactured from soft, non-toxic medical grade material, Made up of kink resistant PVC tube	No	16
57	High Flow Nasal Cannula Deliver:21-100% oxygen, Flow rate: upto 60L/min, Manufactured from soft, non-toxic medical grade material, Made up of kink resistant PVC tube	No	16
58	Venturi mask Delivers: 24-60% oxygen, Flow rate: 2-15L/min, Tube Length-7 ft, Manufactured from soft, non-toxic medical grade material, 100% latex free	No	100
59	Non-rebreather mask Delivers: 85-90% oxygen, Flow rate: 10-15L/min, Bag on mask with valves stopping almost all rebreathing of expired air, Manufactured from non-toxic medical grade material	No	100
60	Face Mask Delivers: 40-60% oxygen, Flow rate: 05-10L/min, Manufactured from non-toxic medical grade material	No	100
61	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	No	8

*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/EPV2Web/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/EPV2Web/org/PREJHA/home.action>

- a) 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
- b) Mode of Submission of offer: Being e-tender, offer will be solely submitted online through e-tender portal: <https://eprocurement.mjunction.in/EPV2Web/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/EPV2Web/org/PREJHA/home.action> for document submission.

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

Sl. No	PQR Condition	Bidder Remarks
1	Bidder should have supplied or have been approved to supply similar items to a NABH accredited hospital/Hospital chain/Testing Labs or State/National level Government referral Medical institute/ hospital/ or State/National Medical procurement corporation or agency responsible for medical procurement A copy of purchase order is required to be submitted as a documentary proof. (The period of 4 years shall be considered from date of opening of bid). or Authorized Dealer/OEM Certified/Bonafide E-marketplace/Authorized Aggregator of such goods	

Bidder should submit the prequalification documents 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.
 - 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, Chanho	
7	Nursing Kaushal College, Jamtra	
8	Nursing Kaushal College, Latehar	

12. Payment Terms

- a. 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.
- b. 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 cancellation of purchase order.

13. Unloading

- a. Unloading is in Vendor's scope, cost & arrangement will be borne by Vendor.
- b. 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

- a) The said goods/services delivered by the Vendor should be identical to the sample/specification given by the Vendor.
- b) 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

(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 NICU Nursing Infrastructure for PREJHA Foundation, in accordance with your Request for Quotation dated 09-08-2023. 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>2021-22</i>	<i>2022-23</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>Infant Baby Warmer with Stand (Supply, installation and demonstration) Micro Controller based Electronics Controls: Servo Skin/Manual Mode Pre-warm: Use the equipment with 30% Heater Output in Manual Mode. No need of calibration required for temperature probe. High Intensity Quartz/Calrod Heating element for effective Radiation Halogen Observation Lamp Parabolic Reflector design to send uniform heat to the bed surface. Memory Backup to restore set temperature and previous mode, in case of power failure. Optimum Bed dimensions ensure optimum work space for the nursing staff. Comprehensive Alarms and safety cut-offs. Instant Warming and Uniform heating & Short wave heater ensures instant warming Automatic Safety heater cut-off at 39 C in any mode Controller Electronics: High Speed Micro-controlled Mode of Operation: Servo Skin, Manual Skin Mode control range: 30.0 38.0°C Manual Mode timer: 1 min 15 min (selectable) Percentage of heater output: 10% - 100% in 10% increments Memory Back-up: Equipment restores the previous settings Programmable mute time: The user can select the mute time Safety heater cut-off: If the skin sensor is removed from the baby's skin Over-temperature heater Cut-off: If the skin temperature is >39°C in any Skin/manual mode Temperature sensor (probe): Thermistor sensor Accuracy of skin sensor: ±0.1°C Accuracy of skin probe Interchangeability: ±0.2°C Power rating : ~230V, 50 Hz Max. Heater Wattage: 600 Watts Max. Power requirement : 700 watts Examination lights : 12V, 50W Halogen lamp</p>	8					

	<p>2" castor 4 nos (2 with brake & 2 without Brake) Monitor Shelf : 1 no Should have provision to keep undersurface phototherapy light. Height adjustable Operating noise level : <50dbA Alarms Skin sensor is removed from the baby's skin Skin temp high : >1.0°C.from the set temperature, Skin temp low : < 1.0°C.from the set temperature, Skin temp probe fail: If the Skin probe is short or fail Over temperature: If the skin temp. Is >39°C, Heater Fail System Fail: Electronic component defect Environment Operating temp: 15.0°C to 35.0°C, Storage temp : -20.0°Cto 60.0°C, Operating Humidity: 5% to 90% RH, non-condensing Storage Humidity : 0% to 99% RH, non-condensing Altitude: sea level to 1.9 miles Quality: ISO 13485:2016 Electrical & Product Safety : : IEC 60601-1 & IEC 60601-1-2 , IEC 60601-2-21 , IEC 60601-2-50 Should have complied with European CE 93/42 EEC Standards Certification from a Notified body. Preferred Make: Make: DRE/Neotech/Zeal/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care/IBIS/Kenmark/David/TRIMPEKS/Frontline/Fanem</p>					
2	<p>Baby Incubator for NICU(Supply, installation and demonstration) Thermal Performance: Consistent air temperature. Bi-directional air flow. Internal Noise Level: low operating sound levels assure a developmentally supportive environment for infants. Double Wall Hood: Double wall hood is designed to decrease radiant heat transfer between the baby and the incubator wall. The inner wall can be easily removed for cleaning without the use of tools. Air Screen: The Air Screen creates a barrier of warm air when the access panel is open. Electrical Electrical connection : Ac 230 V, 50 Hz, Max Power rating : 370VA Max Incubator with fixed/variable height Heater power rating: 300W, Electronics : Micro controller with self test function Mute Time: 2 min 20 min programable, Incubator control Modes : Servo Air and Servo Skin</p>	8				

<p>Co2 level with in the Hood : Less than 0.8% when mixture of Co2 in air is delivered at 750ml/min at a point 10cm above the center of mattress</p> <p>Temperature Accuracy</p> <p>Skin /Air mode : Accuracy ± 0.2 C</p> <p>Max temperature : 39°C</p> <p>Warm-up time : 25-35 min per 10°C (at 23°C Ambient temperature)</p> <p>Initial Temp overshoot : <1.0°C</p> <p>Temperature uniformity : <0.8°C</p> <p>Sensor : Thermistor</p> <p>Probe interchangeability : Accuracy ± 0.2°C (calibration not required)</p> <p>Noise level inside Incubator : <60 db)</p> <p>Air velocity over the bed : <10 cm/sec (at 10cm above the center mattress)</p> <p>Relative humidity : >80% at 10 cm over bed center</p> <p>Air filter capacity : 99% (0.5)</p> <p>Air intake volume with filter: 25 l/min μ & without filter 250l/min</p> <p>Bed tilting (tilting by C clamp) :$\pm 8^\circ$up/down</p> <p>SET TEMPERATURE RANGE</p> <p>Air mode : 20°C to 37°C, 37.1°C to 39°C temperature override mode</p> <p>Skin mode : 30°C to 37°C, 37.1°C to 38°C temperature override mode</p> <p>OXYGEN CONCENTRATION</p> <p>Oxygen input 5 lpm : 25% to 45% O₂</p> <p>Oxygen input 15 lpm : 45% to 70% O₂</p> <p>Humidification : Low/high <80%</p> <p>Skin temperature low/ high</p> <p>Air temperature high / low</p> <p>Alarms Failure of Air, Air Flow, Heater, Skin Probe, Air Probe, System, Power</p> <p>Temperature 39^l in any mode</p> <p>Safety</p> <p>Heater is electronically cut off if air/skin temperature inside the incubator exceeds 39.0°C</p> <p>IEC 60601-1 Specification</p> <p>Type of protection against electric shock: Class 1</p> <p>Mode of Operation: Continuous</p> <p>Electrical Safety: IEC 60601-1 & IEC 60601-1-2 , IEC 60601-2-19,</p> <p>Weight : Min 50 kg</p> <p>Height of bed from floor : 900 mm</p> <p>Dimensions of bed : 700 mm x 400 mm</p> <p>Castors : 4" diameter antistatic (2 locking and 2 non-locking)</p> <p>IV Maximum load : 1.5 kgs</p> <p>Maximum Monitor load : 3.0 kgs</p> <p>Maximum baby weight to be: 5.0 kgs</p> <p>Should have complied with CE></p> <p>Preffred Make: Neotech/Zeal/V-</p>					
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	care/IBIS/Kenmark/Frontline/SST/Electromeg/Comen/Bistos/Fanem/VNG/Phoenix/Ziraffe/BPL/Dr agor						
3	<p>Baby Bassinet / Baby Cradle for NICU (Supply, installation), to be used with phototherapy light. The system should be detachable fire retardant enclosure for light source</p> <p>Adjustable Height</p> <p>Should have provision to undersurface phototherapy</p> <p>Can be used with standing phototherapy</p> <p>The unit can also be usable as observation trolley.</p> <p>Bed Size approximate: 50x75 cm</p> <p>Height : Adjustable from 400 to 600 cm</p> <p>the units should have anti-static 2" castor 4 nos, 2 with brakes</p>	8					
4	<p>Phototherapy Unit(Standing with Stand) , Moveable with 2-4 Wheels</p> <p>The LED's of each unit should be therapeutic high wattage blue & white LEDs, Min 12 Nos</p> <p>The Wavelength should be between 455 to 465nm</p> <p>The high irradiance at skin level should be > 45µw/cm²/nm at a distance of 30 cm</p> <p>Should have an uniformity ratio of > 0.40</p> <p>The LED Lamps used should be rated to last up to 20,000 hrs</p> <p>Should have dual digital cumulative hour timer for LED usage and patient exposure</p> <p>The light source system should have overheat protection with power cutoff for temperature</p> <p>Uniform Light distribution</p> <p>LED Unit Tilt up to 90 Degree and allowing use with warmer</p> <p>IEC 60601-1 Specification Type of protection against electric shock : Class 1</p>	8					
5	<p>Undersurface phototherapy Light</p> <p>The LED's of each unit should be therapeutic high wattage blue & white LEDs, Min: 12 nos</p> <p>The Wavelength should be between 455 to 465nm</p> <p>The high irradiance at skin level should be > 45µw/cm²/nm at a distance of 30 cm</p> <p>Should have an uniformity ratio of > 0.40</p> <p>The LED Lamps used should be rated to last up to 20,000 hrs</p> <p>Treatment Timer ensures auto cut-off when elapsing the set time</p> <p>No infrared rays ensures minimize the water loss</p> <p>Should have dual digital cumulative hour timer for LED usage and patient exposure</p> <p>The light source system should have overheat protection with power cutoff for temperature</p> <p>Uniform Light distribution</p>	8					

	LED Unit can be usable with warmer IEC 60601-1 Specification Type of protection against electric shock : Class 1						
6	<p>Neo Ventilator (HFO) (Supply, installation and demonstration)</p> <ol style="list-style-type: none"> 1. Invasive, non invasive , O2 Therapy(HFNC) 2. Min 13 " Large Color touch display 3. Basic Modes: VC AC, VC SIMV, PC AC, PC SIMV, CPAP-PSAV + advance mode (PRVC, APRV, BiPAPhasic , MMV) 4. Ncpap, Nippv Modes for Neanates 5. Inbuilt nebuliser 6. 3 Wave forms/ 3 Loos/trends 7. 32 Patient parameter 8. Inspiratory hold/Expiratory Hold/PO.1 /Intrinsic PEEP, Lung Recruitment Maneuver (P-V tool), proportional pressure support <p>Cerification: CE certified, ISO and IEC certified</p> <p>Prefferred Make: Acutronics/BPL/Hamilton/SCHILLER/Maquet Servo/GE/Comen/Philips/Drager/Siemens/Medisys/vyair/tecme/Metran/Fanem/Getinge/Briovent/Advin/Narang/Skanray/Lifeline/Billicare/Magnamed/SLE/Medi/ Honmed/ Medtronic/Resmed/Smith/Becton/Mindray/Triviron/Medtronic/Resmed/Newport/</p>	8					
7	<p>Bubble CPAP (Supply, installation and demonstration)</p> <p>Should have latest technology and capable of giving Bubble CPAP therapy to neonates for Preterm and Term Babies Weighing from 400 gms , also capable of giving HFNC therapy to neonates and pediatric cases.</p> <p>Machine should have options to be used as Bubble CPAP, HFNC, Nasal CPAP and T - Piece Resuscitator</p> <p>Should have LCD Touch Screen 4" & above graphical display</p> <p>Should have digital Real Time Airway Pressure Monitoring and displayed on screen</p> <p>Should have digital Real Time Fio2 Monitoring and displayed on screen</p> <p>Should have built in compressed Air Source & no external air compressor should be required or mounted on trolley or taken from central air source</p> <p>Should work with Low Flow Oxygen Input with maximum input flow of 15LPM and 1 Bar input pressure</p> <p>Should have inbuilt blending mechanism for FiO2. Should have good quality calibrated blender for mixing of Air and Oxygen with selectable FiO2 (21% to 100%). The machine should have loss less</p>	8					

	<p>blending mechanism & FiO2 monitoring. Equipment should also work without oxygen input Should have builtin safety valve with preset mode specific safety cutoff Should have universal connections for circuit and attachments Should have inbuilt battery back-up upto 2 hours Should have Settable Audio & Visual alarm for Low Pressure, High Pressure & Safety Pressure Cutoff Limit Should be able to be mounted on the mobile stand for easy moving, and the stand should be equipped with Bubble Generator Holding clamps with easy fixation. Should be able to set output flow of 1-10 LPM Can set FiO2 from 21-100 % Accuracy of Flowmeters should be +/- 4% Accuracy of pressure measurement should be +/- 1 cmH2O Accuracy of FiO2 should be +/- 3% Should be able to set CPAP pressure in Bubble CPAP mode from 3 - 10 cmH2O Should be able to set CPAP pressure in Nasal CPAP mode from 0 - 15 cmH2O Setable pressure in Auto T - Piece Mode should be - PEEP: 0 - 15 cmH2O & PIP: 10 - 40 cmH2O Should have settable as well as inbuilt Safety Over Pressure Valve up to 40cm H2O Should be supplied by Manufacturing company having ISO 13485 certifications & CE for medical devices Manufacturer should be an Indian company with product made in India Should be provided with Single Use Nasal Prongs (Small, Medium, Large) Single Use Nasal Masks (Small, Medium, Large), Single Use Head Bonnet (Small, Medium, Large, XL) Single Use RAMS Cannula (Small, Medium), Single Use Neonatal Patient Circuit with Single Heater wire and Humidifier Chamber with autofeed Should have audio - visual alarm Should be provided with US FDA-certified Servo Humidifier Temperature Sensor Probe and Heater Wire Adaptor Humidifier Specification Mode – Should have Auto mode servo controlled for invasive, noninvasive ventilation & High Flow Default Setting – Should be 37 °C (invasive), 31 °C (noninvasive) Should have an automatic temperature setting in invasive & non-invasive mode</p>					
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	<p>Temperature display Should have the following alarms: Temperature Sensor, Limb Failure, Chamber & Patient End Temperature Alarm Silence facility Electrical Specs. – Input Voltage 220-240 V / 110-127 V / 100V; 50/60Hz Standards – IEC 60601-1, IEC 60601-1-2, EN ISO 8185, CE Certified, USFDA Preferred Make: Fisher & Paykel/Drager/Biomed/Hamilton/Electrogenics/Fanem</p>						
8	<p>Pulse Oximeter (Supply, installation and demonstration) Hand Held Pulse Oximeter with Enhanced Spo2 Accuracy during Motion artifacts and Waveform and Numeric Value display 2.4" OLED Color Display 96 hours Data Memory Suitable for Adult, Pediatric and Neonatal application Mains as well as Battery operation Visual alarm indicator Hand Held Unit with Standard Accessories: Spo2 Sensor with extension cable Adapter for Mains connection Adaptor for Mounting Hand Held Unit Operating Manual Manufacturer should be ISO 13485 certified</p>	8					
9	<p>Multipara Monitor (Supply, installation and demonstration) Should have facility to display ECG, RR, HR, PR, Spo2, NIBP, single Temperature as standard parameters with in built rechargeable battery back up of at least 6 hrs of operation. Display: Touchscreen Color TFT LCD display of size 8" or more. Should display at least 4 waveforms or more of dual trace ECG (Cascaded ECG), SpO2 and respiration simultaneously. Should have ST Analysis & Arrhythmia Analysis Should have Digital technology to sense the SPO2 in hypotensive, shivering & motion condition. Should have facility for displaying different screen configurations. Should have audio visual alarms for all parameters & should be user selectable Should have audio alarm silence selectable for 60 sec / 120 sec Should have volume adjustable for Audio Alarms Should have different color visual alarms as per set priority</p>	8					

	<p>Should have audio for QRS beep and volume should be adjustable</p> <p>Should be able to store & display at least 72 hrs of graphical trends of all parameters.</p> <p>Should be suitable for monitoring adult & pediatric patients.</p> <p>Should be able to give visual & audible alarms with three levels of volume adjustment on violation of any monitored parameter.</p> <p>The monitor should be European CE approved.</p> <p>Should be ISO 13485 certified.</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>						
10	<p>Syringe Pumps ((Supply, installation and demonstration)</p> <p>Display should be 3.5 inch Backlit Color LCD or Touch</p> <ol style="list-style-type: none"> 1. Should have Multiple Infusion Modes (Rate mode, Weight Mode ,Time mode, Sequence mode) 2. Should have 9 Occlusion Levels 3. Should be support syringes of all standard brands 4. Should have Auto-detection of syringe size 5. Should Compatible with 5, 10, 20, 30 and 50(60)ml syringe 6. Built-in Drug library (100 drugs) 7. Should have infusion rate:0.1-2000ml/h,0.01ml/h (0.01ml/h increment till 100 ml/hr , 0.1ml/h increment from 100-1000ml/h and 1ml/h increment from 1000-2000ml/h) 8. Should have Bolus rate:0.1-2000ml/h 9. Should have KVO 0.1-5ml/h 10. Backup power for minimum 6 hours (Optional 12 hours) 11. Quoted item should be USFDA/ European CE with 4 digit notified body. 12. BIS approved or Manufacturer should be ISO 13485 certified <p>Preferred Make: Mindray/Biocare/DRE/Byond/GE Healthcare/AKAS/Skanray/BPL/DRE/Braun/Fresenius/Contec</p>	8					
11	<p>Infusion Pumps (Supply, installation and demonstration)</p> <p>VOLUMETRIC INFUSION PUMP</p> <p>Technical Specification:</p>	8					

	<p>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.</p> <p>Flow rate accuracy: Accuracy of $\pm 2\%$ or better.</p> <p>Infusion time: Adjustable from 1 minute to 96 hours, 1 minutes increments.</p> <p>Setting mode: Flow rate, flow rate + volume, Volume/time, flow rate +time, Ramp-up / ramp-down, sequential, bolus, Induction / loading dose, microinfusion.</p> <p>KVO rate: 3 ml / hr. adjustable</p> <p>Pressure limit: 750 mmHg, adjustable from 100 to 900 mmHg (50 mmHg increment)</p> <p>History data log: Up to 500 last data events.</p> <p>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.</p> <p>Should have infusion line disconnection alarm</p> <p>Should have infusion line pressure monitoring in mm of Hg</p> <p>Power supply: Power input to be 220 – 240V AC, 50Hz fitted with Indian plug of appropriate rating</p> <p>Battery Backup: 3-6 Hour</p> <p>Quoted item should be USFDA/ European CE with 4 digit notified body.</p> <p>BIS approved or Manufacturer should be ISO 13485 certified.</p> <p>Warranty: Should have 1yrs. of manufacturer warranty.</p> <p>Make: Mindray/Biocare/DRE/Byond/GE Healthcare/Niscomed/AKAS/Skanray/BPL/DRE/Braun/Fresenius/Contec</p>						
12	<p>Cardiac table (Supply, installation)</p> <p>Cardiac Table "Hospital adjustable Table</p> <p>Hospital table made with mild steel material</p> <p>Laminated board Top</p> <p>Mounted on four 5 cm swivel castors</p> <p>Manually adjustable Height</p> <p>Epoxy powder coated</p> <p>Top size:-76(L)*40(W)cm</p> <p>Height:-76/106c"</p>	8					
13	<p>Blanket Phototherapy (Supply, installation and demonstration)</p> <p>fibre optic based technology</p>	8					

	<p>Features:</p> <p>Spectral Irradiance: Small pad - 70 μW/cm /nm (+/- 25%) and 9 point check Large pad - 49 μWcm /nm (+/- 25%) and 6 point check</p> <p>Wavelength: 460-470 nm</p> <p>Fiberoptic lightpad, Small : 12 x 30 cm (light-emitting area) Fiberoptic lightpad, Large : 20 x 33 cm (light-emitting area)</p> <p>15000-20000 Hour LED Capability</p> <p>Safety: No UV/IR/ emission</p> <p>Length of fibre bundle: approx 170 cm</p> <p>Sound level : <44 db at 1m</p> <p>Power Rating: 30W</p> <p>Device Automatically shuts off in the event of light engine over heating.</p> <p>Should have complied with European CE 93/42 EEC Standard Certification from a Notified Body</p> <p>ISO 13485 Certified</p> <p>Preferred</p> <p>Make: Bilihu/Biophoton/Neotech/BPL/IBIS/Phoenix</p>						
14	Ambu Bag for NICU for providing critical care during cardiopulmonary resuscitation, for patients undergoing endotracheal intubation or surgery under general anesthesia in NICU	24					
15	Laryngoscope set for NICU	16					
16	Diaper Weighing Machine	8					
17	Baby Weighing Machine	8					
18	<p>POC ABG Machine (Supply, installation and demonstration)</p> <p>Analyzer should be small lightweight (<1kg) handheld capable of measuring pH, pCO₂, pO₂, Na⁺, K⁺, Ca⁺⁺, Cl⁻, Glucose, Lactate, Creatinine/BUN & Hematocrit.</p> <p>Calculated parameters: cHb, ctCO₂, BE, BE_{ecf}, sO₂, HCO₃, eGFR, A-Gap, A-aDO₂.</p> <p>All the parameters should be performed simultaneously on a single-use disposable test card.</p> <p>Fast analysis time of less than 1 minute after sample introduction.</p> <p>Analyzer should accept a small sample size of less than 100 μl.</p> <p>Input: Patient ID, Age, Gender, Height, temperature, FiO₂, Sample type.</p> <p>Sample types: Arterial, Venous Cord & Capillary whole blood.</p>	8					

	<p>The analyzer should have the provision of storing at least 1000 patient and QC results.</p> <p>Should display normal, outside reference range & Critical patient results with color-coded tiles.</p> <p>The test cartridges should be self-contained with all the sensors & reagents and should not be separate.</p> <p>The test cartridges should be room temperature storable without the requirement of refrigeration.</p> <p>The Analyzer should be provided with a dedicated wireless thermal Printer.</p> <p>The Analyzer should use Amperometric, Potentiometric, and Conductometric principles for measurement.</p> <p>The Analyzer should have in-built barcode readers for expiry control and patient data entry.</p> <p>Analyzer should have dual-power operation through AC adapter and/or rechargeable Li-Ion battery.</p> <p>Analyzer should have on-board animation videos for user guidance.</p> <p>Should have wireless connectivity facility for HIS/LIS, remote updates etc.</p> <p>Should be USFDA and CE certified for all products and parameters. Preferred Make: Abbott/Siemens/Radiometer/Edan</p>						
19	<p>Jaundice Meter</p> <p>A simple, effective, portable non-invasive jaundice meter</p> <p>quick and easy to obtain bilirubin readings with minimal disturbance to the baby</p> <p>Advanced optics and processing for highest accuracy</p> <p>Suitable for screening infants from 35 weeks' gestation</p> <p>Power input: 3 Vdc(2AA batteries)</p> <p>Measurement range: 0-32mg/dl</p> <p>measurement accuracy: ± 1.5 mg/dl</p> <p>operating temperature: +10 to 50 C</p> <p>Compliance: EN 60601-1</p>	8					
20	<p>Vein Viewer</p> <p>Inbuilt rechargeable battery</p> <p>3 intensity mode</p> <p>Android charger</p> <p>8 Led total(6 red+2 Amber)</p> <p>ISO 9001:2015, ISO 13845:2013, GMP, And CE certified</p>	8					
21	<p>Embrace Warmer (Supply, installation and demonstration)</p> <p>1. The Embrace Warmer uses an effective phase change material to stabilise rapidly the temperature of an infant suffering from hypothermia.</p>	8					

	<p>2. The Embrace Warmer is light and portable. The baby can be held in the mother's arms when the warmer is being used.</p> <p>3. Hygienic & Durable: It can be reused several times. Cleaning is easily done using soap and water.</p> <p>Maintains temperature of ~37 degree C for at least 4 hours* (380mm x 220mm, 1.3kg) Precision heating mechanism prevents overheating Duration of at least 4 hours at ambient temperature greater than 25 C Does not require constant power supply approx 15 watt of power consumption Preferred Make: Phoenix/Philips/Neotech/GE Healthcare</p>						
22	<p>Oxygen hood for NICU (Infant use) Transparent and curve-shaped OXYGEN HOOD for neonatal oxygen therapy made with medical grade polycarbonate material. Medical grade silicone flaps in the head opening area to adjust the neck size and make sure optimum oxygen concentration. SMALL - 21 cm (Diameter) - 16.5 cm (Height) - 12 cm (Neck Opening) MEDIUM - 21 cm (Diameter) - 19 cm (Height) - 14cm (Neck Opening). Accessories to be provided: Tubings-01. Shapes have enough space for baby head movement. Its comes without any sharp corners and easy to clean and disinfect. The manufacturer should be ISO 13485 certified. Fully autoclavable. Make: Neotech/VNG/David/IBIS</p>	16					
23	<p>Crashcart Crash Cart SS Frame 304 Overall Approx size 940mm L x 490 mm W x 1535 mm H Stainless Steel Tubular Frame Six Removable Plastic Bins & Two Polystyrene Lockable Storage units with Three Drawers Each Four Swivel Castors, 150 mm Dia (Two with Brakes) Complete with Corner Buffers, Oxygen cylinder Holder, S S I V Rod, S S Top & Shelves, Cardiac Massage Board SS 304</p>	8					
24	<p>BPC O2 flowmeter with jar Usage NICU Flow Rate 15 L/min Display Analog Tube Cover Material Poly Carbonate Body material Brass</p>	16					

	Accuracy (Flow rate) +- 3%						
25	<p>Portable Suction Machine - Technical Specifications:</p> <p>Minimum Flow Rate: 17 LPM</p> <p>Minimum Collection Capacity: 600 ml</p> <p>Make: Philips/Omron/Drive DeVilbiss Healthcare/ResMed/Niscomed/Oxymed/Lifeline/Rossmax</p>	16					
26	<p>Cold Light Source (Supply, installation and demonstration)</p> <p>Use: Cold Light source is used for accessing tiny arteries and veins of the babies</p> <p>Should have light intensity controlled with a smooth rotary potentiometer pressing button</p> <p>Should have minimum dual control having 2 halogen/xenon/led lamps</p> <p>Should have SMPS-based design ensures smooth working of the light source within the voltage variation.</p> <p>Dimensions/Weight: length280mm, width 220mm, height from the floor:130mm</p> <p>Weight up to 5kg</p> <p>Heat dissipation Heat is disbursed through an exhaust fan (if applicable).</p> <p>Portability Hand-held device</p> <p>Power requirements 230VAC + 10%, 50 Hz</p> <p>Operating Range: +15°C to 35°C environment</p> <p>Storage Range: -10°C to 60°C environment</p> <p>Humidity: Operating Range: 15% to 90% RH</p> <p>Non-Condensing</p> <p>Storage Range : 50% to 90% RH</p> <p>Variable Intensity : 0 to 100% continues.</p> <p>Optical Cable: 6mm Diameter & 1m Length</p> <p>ON time: 5min & 10min selectable.</p> <p>Display parameters :% of intensity, usage hours & timer</p> <p>Alarm indication: Fan fail, Temperature Sensor fail, Light source over temperature.</p> <p>Preferred make: Neotech/Zeal/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care</p> <p>Certifications: Quality: ISO 13485:2016, Electrical Safety: IEC 60601-1, EMC Safety: IEC 60601-1-2</p> <p>Should complied with European CE 93/42 EEC Standard Certification from a Notified Body</p> <p>Spares: Illumination lamps: 2 nos. spares</p> <p>Preferred make: Neotech/Zeal/GE Healthcare/Drager/ARDO/Healforce/Phoenix/V-care</p>	8					
27	<p>Dressing Trolley with Bowl & Bucket for use in NICU</p> <p>S.S. Frame work</p>	8					

	S.S. Shelves with four side railing On Castors Size : 76 x 46 x 81 cm						
28	Instrument Trolley SS with 4" Wheels Overall size 60 L x 45 W x 80 H cms MS Tubular Construction with SS Top & Shelf Three Side Guard Railing on Upper shelf SS 304	8					
29	Revolving Stool Four Legs S S Tubular Construction S S Revolving Top Adjustable Height with M S Screw Mechanism Epoxy Powder Coated	8					
30	IV Stands I.V. Stand, 31" dia 2- hook IV stands wheel mounted on a plastic base with MS Pipe , adjustable height from 55" to 95"	8					
31	Infant T-Piece Resuscitator (Supply, installation and demonstration) can deliver oxygen levels ranging from 21% through to 100%, from a flow meter or blender. The resuscitator has a PIP control, as well as a maximum pressure relief valve that prevents the accidental delivery of excessively high pressures. resuscitator should features an accurate, easy-to- read, medical quality manometer, and can be mounted on a pole, rail, wall, infant warmer, or incubator. Manometer Range -20 to 80 cmH2O [mbar] Manometer Accuracy +/-2.0% of Full-Scale Deflection Maximum Pressure Relief @ 7LPM 1 to 66 cmH2O 0 [mbar](dependent on flow rate) Storage Range: 40% to 90% RH Non-Condensing Operating Range: 15% to 90% RH Non- Condensing Recommended Patient Body Weight 0 to 10 kg (22 lb) Delivered Oxygen Concentration Up to 100% depending on the gas supply Operating time* (400 L cylinder) 50 minutes @ 8 L/min components: gas supply line; gas inlet adaptor; test lung; spare max pressure relief Quality/Test approval Quality: ISO 13485:2016 Device Standard: ISO 10651-5 ISO 10993 MDD Product classification: class IIb Protection against increase of liquid : IPX4 European CE Certified Preferred make: Zeal/Fisher& Paykel/Neotech/GE Healthcare/Neotech/Flexicare	8					

32	Oxygen panel and Piping (Supply, installation and demonstration) Minimum 3 Oxygen Outlet. Pipe should be of ISI mark. approximate Piping lenth: 10 ft Pipe thickness must be of 12mm. Mox regulator should be there to control the pressure. Angle & T Copper	8					
33	Oxygen cylinder (Filled) (Supply, installation and demonstration) Jumbo Type with regulator and trolley	8					
34	SYRINGE PUMP STAND (Supply & installation) No. of shelves: 1 shelve 2 Saline Hook Framework material: SS Mounted on Moveble Caster/Wheel with electrical socket where 8 Syringe pump can be plugged	8					
35	Observation Trolley Soft Mattress for comfortable Baby laying Large working Area Mattress Tilt $\pm 30^\circ$ on both side Provision to take X-Ray without disturbing the baby 4 nos collapsible Acrylic panels with Plastic hinges 4" castor 4 nos (2 with brake and 2 without brake) Storage Tray option Underneath the bed	8					
36	Hospital Child Bed 1650x780x630, height adjustable side rail, back rest lifting angle. Epoxy Powder Coated	4					
37	ICU Bed Motorized Electric operated Five Functions Motorized Hospital Bed Electrically operated with Luxury castors Central locking Size: 2120X1000X460-720mm (LxWxH) • Function at Back Rest, Footrest, Hi/Lo Adjustment, Forward Tilting, Backward Tilting with Cable Remote Control. • Epoxy Powder Coated Bed Frame, Mounted on Central Locking Luxury Castors. • Bed Board Link of Soft, PP Hiding Side Rails. Quick release handle at back side Pillow and Mattress 4" thick made of PU Foam with one side Rexine & other side cotton cloth With Food Table and Bed side Locker Make: Hill- Rom/Stryker/Getinge/Linet/Invacare/Paramount /Arjo/Joerns /Drive DeVilbiss/Skytron/Steris or equivalent brands having Bed production facility of US FDA registered. Bed to be European CE and facility to be ISO 9001, 14001 and 13485 approved	2					

38	<p>ICU Bed, Manual Five Functions Motorized Hospital Bed manually operated with Luxury castors Central locking Size: 2120X1000X460-720mm (LxWxH) • Function at Back Rest, Footrest, Hi/Lo Adjustment, Forward Tilting, Backward Tilting with Cable Remote Control. • Epoxy Powder Coated Bed Frame, Mounted on Central Locking Luxury Castors. • Bed Board Link of Soft, PP Hiding Side Rails. Quick release handle at back side Pillow and Mattress 4" thick made of PU Foam with one side Rexine & other side cotton cloth With Food Table and Bed side Locker Make: Paramount/Arjo/Joerns /Drive DeVilbiss/Medline /Savion/Khera/SNG/Narang/BPL/Sigma/ACME/Prana or Equivalent Brands</p>	2				
39	<p>Glucometer Technical Specifications for Glucometer: Measurement Range: 20 to 600 mg/dL (1.1 to 33.3 mmol/L) Accuracy: ±10% deviation from laboratory reference values Sample Size: Maximum 0.5 microliters of blood per test Testing Time: Maximum 10 seconds Memory and Data Management: Minimum memory storage capacity of 500 test results, with data transfer capability to electronic medical record systems or computers Display: Clear and easy-to-read display, preferably with a backlit feature for enhanced visibility Power Source: Long-lasting battery life, support for disposable batteries and rechargeable options, with low battery status indication Make/Brands: Accu-Chek (Roche)OneTouch (LifeScan)/Dr. Morepen/Johnson & Johnson/Omron/ Bayer Contour/ Beurer/Abbott /Apollo/Smart Care</p>	10				
40	<p>Bp Apparatus Manual (Mercury) ISO / CE Standard Included Components Adult size Cuff with velcro closure , owners manual , Mercury Fixed ready to use Item Weight 450.0 grams Material Type Forged Number of Items 1 Size Regular Special Features High Accurate Readings Specific Uses For Product Clinic</p>	10				

	<p>Long Lasting Heavy Duty Silicone Tubings CE Certified , 4.2 mm Capillary & Hard Metal Body Product should include all the necessary accessories required for intended use. Clear Reading Make: diamond/Romson/Dr Trust/Philips/GE/BPL/Omron/Rossmax/HealthSe nse/Beurer</p>						
41	<p>Digital Bp Apparatus Manual ISO / CE Standard Included Components Adult size Cuff with velcro closure , owners manual Type: Upper Arm, Fully automated Display: LCD Measurement Method: OSCILLOMETRIC METHOD Minimum Pressure Measurement Range: 20 mmHg Maximum Pressure Measurement Range: 280 mmHg Minimum Pulse Measurement Range: 40 beats/min Maximum Pulse Measurement Range: 180 beats/min Pulse Measurement Accuracy: +5 Pressure Measurement Accuracy: +3 Size Regular Special Features High Accurate Readings Specific Uses For Product: Clinic, training nurses Long Lasting Heavy Duty Silicone Tubings Product should include all the necessary accessories required for intended use. Make: Dr Trust/Philips/GE/BPL/Omron/Rossmax/HealthSe nse/Beurer/Romson/Diamond</p>	10					
42	<p>NIBP (Non-Invasive Blood Pressure) Machine:</p> <ol style="list-style-type: none"> 1. Measurement Range: <ol style="list-style-type: none"> 1.1. Systolic Pressure: 40-260 mmHg 1.2. Diastolic Pressure: 20-200 mmHg 1.3. Mean Arterial Pressure (MAP): 30-240 mmHg 2. Measurement Method: <ol style="list-style-type: none"> 2.1. Non-invasive measurement using inflatable cuff 2.2. Utilizes oscillometric or auscultatory method 3. Accuracy: Provides clinically acceptable blood pressure readings 4. Cuff Size: Multiple sizes available for different arm circumferences 5. Display: Clear display of blood pressure measurements and additional information 	2					

	<p>6. Memory and Data Management: Stores and retrieves previous readings, data transfer capability</p> <p>7. Power Source: Battery or mains power, battery option for portability</p> <p>Brands: Omron / Philips / GE Healthcare / Welch Allyn / Nihon Kohden / Dräger / Mindray / Schiller / BPL Medical Technologies / Contec Medical Systems</p>						
43	<p>Stethoscope "Dual non-stick acoustic tubing provides insulation for superior sound Included accessories: 2 extra sets Comfort Seal ear tips, spare adult and pediatric clear PVC diaphragms, pediatric diaphragm assembly, pediatric bell, infant bell and ID tag Intended use: Adult, Infant, Pediatric" approximate weight: 150-250 gm Earpieces: Earpieces should occlude your ear and block out most or all room noise. They should be comfortable yet snug and should follow the natural forward angle of the ear canals. Tubing: The tubing should be sturdy and no longer than absolutely necessary. Head: The head of the stethoscope should have a bell (a cup-shaped side) and a diaphragm Manufacturer is certified for ISO 13485 Medical devices. Brands: Littmann/Rossmax/Romson/HealthSense/Techno care/Omron/MDF</p>	10					
44	<p>Ultrasonic Mesh Nebulizer Machine Technical Parameters: Nebulization Technology: Ultrasonic mesh for fine aerosol production. Medication Compatibility: Works with a range of medications. Particle Size: Produces small particles for effective inhalation. Silent Operation: Quiet for patient comfort. Battery Life: Long-lasting for portable use. Dosing Control: Precise medication delivery. Easy Maintenance: Simple disassembly and cleaning. Portability: Compact and lightweight design. User Interface: Intuitive controls for easy operation. Mask Compatibility: Suitable for various mask sizes. Certification: Complies with relevant industry</p>	8					

	standards. Make: 1. Philips/Omron/Dr. Morepen/Rossmax/Agaro/HealthSense/BPL/Beurer/Dr. Trust						
45	Nebulizer for NICU Particle Size: Fine aerosol particles for neonatal inhalation. Medication Compatibility: Suitable for various NICU medications. Silent Operation: Quiet operation for infant comfort. Dosing Accuracy: Precise medication delivery control. Continuous Nebulization: Capable of extended treatment. Oxygen Compatibility: Accommodates oxygen therapy. User Interface: Intuitive controls for easy use. Safety Features: Prevents overmedication risks. Compact Design: Space-efficient for NICU placement. Easy Maintenance: Disassembles for cleaning. Mask Compatibility: Fits neonatal masks. Certification: ISO-compliant manufacturing. Make: 1. Philips/Omron/Dr. Morepen/Rossmax/Agaro/HealthSense/BPL/Beurer/Dr. Trust	8					
46	Oxygen Concentrator (Supply, Installation and demonstration): for Use in NICU Oxygen Concentrator 5 LPM: Flow Rate: 5 liters per minute Oxygen Purity: Typically around 93% (+/- 3%) Power Source: Electric (AC) Weight: Standard range, usually between 14 to 18 kg Dimensions: Compact and portable design Noise Level: Low decibel range for quiet operation Filters: Built-in air intake filters for clean air supply Oxygen Delivery: Continuous flow mode User Interface: Intuitive controls and LCD display Alarms: Visual and audible alarms for low oxygen concentration and power failure Accessories: Nasal cannula, humidifier bottle, filter replacements Compliance: Designed for medical use and regulatory compliance Make: Philips/DeVilbiss/Nidek/Inogen/Oxymed/AirSep	8					
47	12 Channel ECG Machine with Monitor and Electrodes Technical Parameters: - Channels: 12 simultaneous channels for	2					

	<p>comprehensive cardiac monitoring.</p> <ul style="list-style-type: none"> - Electrodes: High-quality electrodes for accurate signal acquisition. - Display: Clear display of 12-lead ECG data for real-time analysis. - Printing: High-resolution printing for detailed ECG reports. - Sampling Rate: High sampling rate for precise waveform capture. - Interpretation: Built-in ECG interpretation algorithms for efficient analysis. - Filters: Signal filters to eliminate interference and ensure accuracy. - Recording Speed: Adjustable recording speeds for various assessments. - Connectivity: USB or Bluetooth connectivity for data transfer. - Battery Backup: Reliable battery backup for uninterrupted operation. <p>Make: GE Healthcare/Philips/Schiller/BPL/Nihon Kohden/Edan Instruments/Mindray/Cardiac Science/Contec</p>						
48	<p>Steriliser Make: GOLEY / SURYA or Equivalent</p>	4					
49	<p>Spring balance Medical Spring Balance - Technical Specifications:</p> <ul style="list-style-type: none"> - Wide Measurement Range - High Accuracy - Durable Construction - Clear Display - Tare Function - Overload Protection - Portable Design - Easy Calibration 	4					
50	<p>Intrauterine device (IUD) that's inserted into the uterus for long-term birth control (contraception). T-shaped plastic frame has copper wire coiled around the stem and two copper sleeves along the arms that continuously release copper to bathe the lining of the uterus. It produces an inflammatory reaction in the uterus that is toxic to sperm, which helps prevent fertilization.</p>	4					
51	<p>Pelvimeter Pelvimeter - Technical Specifications:</p> <ul style="list-style-type: none"> - Material: High-quality Medical Grade Materials - Measurement Range: Suitable for Various Pelvic Measurements - Accuracy: Precise Measurement Graduations - Easy-to-Read Scale - Lightweight and Portable Design - Ergonomic Handle for Comfortable Use - Durable and Long-lasting Construction 	4					

	- Suitable for Clinical and Educational Use						
52	<p>Delivery Couch - Technical Specifications:</p> <ul style="list-style-type: none"> - Convertible Design: Easily Converts into Operating Table for Emergency Caesarian Section - Adjustable Backrest for Patient Comfort - Removable Headboard for Versatility - Leg Supports for Secure Positioning - Removable Foot Section for Accessibility - Height Adjustable: Minimum 60 cm, Maximum 90 cm - Smooth Mobility: Equipped with Diagonally Lockable 12 cm Diameter Castors - Corner Bumpers for Protection - Removable Drain Pan for Easy Cleaning 	2					
53	<p>Foetal Dopler - Ultrasound frequency: 3MHz Ultrasound intensity: <10mW/cm² Power supply: Alkalinity battery Display: 45mm×25mm LCD FHR Measuring range: 50~240bpm FHR resolution: 1bpm FHR accuracy: ±1bpm Power consumption: <1W Dimension :135mm ×95mm ×35mm Weight:500g Configuration: Main body 3MHz probe Feature Table: Functions: Display B/W Backlight:Yes Build-in speaker : Yes Battery indicator:Yes FHR display: Yes Auto power off: Yes Various work modes :Yes Alkalinity battery:Yes Make: Life Line / BPL/DIPEL/Phillips/Sonoline/Angelsounds/Huntleigh/Bistos/Contec or equivalent</p>	2					
54	<p>Automatic Hematology Analyzer: Specifications: Measurement Parameters: Complete Blood Count (CBC): Hemoglobin, Hematocrit, Red Blood Cells (RBC), White Blood Cells (WBC), Platelet Count, Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), Red Cell Distribution Width (RDW), and other relevant parameters. Differential Blood Count: Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, and other relevant subtypes. Throughput: High throughput capacity capable of processing a large number of samples per hour, ideal for high-volume laboratories and hospitals. Sample Types: Accepts various sample types, including whole blood, serum, plasma, and diluted samples. Sample Volume: Minimal sample volume required for analysis to minimize patient discomfort and conserve sample volume. Automation: Fully automated operation for sample handling, analysis, and result generation. Automated sample identification and barcode scanning for sample tracking and data integrity.</p>	8					

	<p>Analysis Method: Utilizes advanced impedance or flow cytometry technology for accurate and reliable blood cell analysis. May include laser-based optical systems for specific measurements. User Interface: Intuitive and user-friendly graphical interface for easy operation and navigation. Touchscreen display with clear visualization of data and results. Connectivity: Built-in connectivity options such as Ethernet, USB, and LIS (Laboratory Information System) integration for data transfer, result reporting, and remote access. Quality Control: Integrated quality control features to ensure accuracy and precision of results. Calibration options and automated quality control checks to maintain instrument performance. Maintenance: Self-diagnostic capabilities for proactive maintenance and troubleshooting. Automated cleaning and maintenance routines to ensure instrument reliability and longevity. Size and Weight: Compact and space-saving design suitable for laboratory environments. Portable options available for on-site or point-of-care testing. Power Requirements: Operates on standard electrical power supply (e.g., 110-240V, 50-60Hz). Compliance: Meets relevant regulatory standards and certifications (FDA, CE, ISO). Make: Sysmex Corporation/Beckman Coulter Inc./Siemens Healthineers/Abbott Laboratories/Mindray Medical International Limited/Roche Diagnostics/Horiba Medical/Nihon Kohden Corporation/Boule Diagnostics /ERBA/Bio-Rad</p>						
55	Laryngoscope Sets, S.S. (With S.S. handle) Satin / Dull Finish, with 4 S.S. blades Size: 1,2,3 & 4	16					
56	Nasal Cannula Delivers:24-30% oxygen, Flow rate :1-4L/min, Manufactured from soft, non-toxic medical grade material, Made up of kink resistant PVC tube	16					
57	High Flow Nasal Cannula Deliver:21-100% oxygen, Flow rate: upto 60L/min, Manufactured from soft, non-toxic medical grade material, Made up of kink resistant PVC tube	16					
58	Venturi mask Delivers: 24-60% oxygen, Flow rate: 2-15L/min, Tube Length-7 ft, Manufactured from soft, non-toxic medical grade material, 100% latex free	100					
59	Non-rebreather mask Delivers: 85-90% oxygen, Flow rate: 10-15L/min, Bag on mask with valves stopping almost all rebreathing of expired air, Manufactured from non-toxic medical grade material	100					

60	Face Mask Delivers: 40-60% oxygen, Flow rate: 05-10L/min, Manufactured from non-toxic medical grade material	100					
61	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	8					

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