

No.	Equipment	Technical Specifications	Fill Your Specifications
1	Infant ventilator	<p>Description of Function Infant Ventilators provide artificial respiration support to infants and neonates in ICU/Wards.</p> <p>Operational Requirements The Infant ventilator must be easy to operate and must incorporate safety alarms and backup ventilation.</p> <p>Microprocessor Controlled integrated suitable for neonate ventilation.</p> <p>System Configuration Ventilator Infant with Built in Medical Air Compressor and with complete accessories.</p> <p>Technical Specifications Must have not less than 6 - 8 inch colour TFT screen for monitoring of the ventilation parameters, curves and loops Automatic compliance & Leakage compensation for circuit and ET tube Must have the facilities for following setting for neonate to infant: Tidal Volume 0 - 500 ml Flow Pattern Inspiration Plateau Pressure ramp SIMV Rate CPAP/PEEP Pressure Support FiO2 Pause Time Inspiration trigger sensitivity to flow & pressure Base Flow Sensitivity for cycling to expiration Must have the capability of monitoring of the following parameters: Airway Pressure Expired tidal Volume Minute Volume Spontaneous Minute Volume Total Frequency 1 – 200 bpm Fio2 Auto PEEP Rapid Shallow Breathing Index Plateau Pressure Inspiratory & Expiratory Resistance Static Compliance Imposed Work of Breathing Peak, Plateau and mean airway pressure Must have the Alarms for all the measured and monitored parameters. Must have the following Modes of ventilations: Volume controlled Pressure controlled Pressure support SIMV (Pressure Control and volume control) with pressure support. CPAP/PEEP (0 – 50 CM H2O) Auto mode /Auto flow preferable PRVC Biphasic preferable High frequency ventilation Sensors must be automatically calibrated every time it is switched on Must have the ability to calculate: Intrinsic Peep Occlusion Pressure Negative Inspiratory force Internal turbine or Medical Air Compressor: Imported Built in Medical Air compressor Snap fit with the Ventilator module to provide an oil free Medical air . Peak output flow must be minimum 160 LPM. Air quality must comply with ISO compressed air purity class. Medical Air Compressor must automatically activate in the event of wall air supply loss. Replacement of internal filters must be performed without removing the compressor Must have washable air filter.</p> <p>Accessories, spares and consumables Accessories: Humidifier -Servo controlled with digital monitoring of inspired gas temperature complete with heating wire-01 no. Nebulizer compatible with ventilator-01 Air Hose-01 no. Oxygen Hose-01 no. Neonate autoclaveable/reusable silicon breathing circuit-02 nos. Infant autoclaveable/reusable silicone breathing circuit-02 nos. Test Lung Filter paper for humidifier for 100 uses Non corrosive trolley and hinged arm: 01no.</p>	

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		<p>All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.</p> <p>Power supply: Input power supply: 220/240 V AC , 50Hz single phase schuko plug</p> <p>Environmental factors The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95% The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%</p> <p>Standards and safety requirements Should be FDA or CE approved product certificate.</p> <p>User Training Must provide user operation and service training</p> <p>Warranty Comprehensive warranty for 2 years.</p> <p>Documentation User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy) Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy) List of important spare parts, accessories and consumables with their part numbers and costing. Certificate of calibration and inspection from factory.</p> <p>Delivery time</p> <p>Manufacturer</p> <p>Model</p> <p>Country of origin</p>	
2	Syringe pump	<p>Description of Function The Syringe Infusion Pump provides uniform flow of fluid by precisely driving the plunger of a syringe down its barrel. It provides accurate and continuous flow rate for precise delivery of I.V. medication in critical medical care.</p> <p>Operational Requirements The syringe pump must be programmable, user friendly, safe to use and must have battery backup and comprehensive alarm system. This must be able to integrate in the HIS.</p> <p>System Configuration Syringe infusion pump with battery backup alarm and with complete accessories.</p> <p>Technical Specifications Flow rate programmable from 0.1 to 200 ml/hr. or more in steps of 0.1 ml/hr. with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF. Bolus rate must be programmable to 400 - 500 ml/hr. or more with infused volume display. Reminder audio after every 0.5 ml delivered bolus. SAVE last Bolus rate even when the AC power is switched OFF. Display of Drug Name with a provision of memorizing 10~15 names by the operator Keep Vein Open (KVO) must be available 1.0 ml/hr. or set rate if lower than 1.0 ml. User must have choice to disable KVO whenever desired. Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg Must Work on commonly available 20, 50/60 ml Syringes with accuracy of minimum of +/-2% or better. Automatic detection of syringe size & proper fixing. Must provide alarm for wrong loading of syringe such as flanges out of slot; disengaged plunger, unsecured barrel etc. Anti-bolus system to reduce pressure on sudden release of occlusion Must have comprehensive alarm package including: Occlusion limit exceed alarm ,Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, KVO rate flow, Low battery pre-alarm and alarm, AC power failure, Drive disengaged and preventive maintenance. Rechargeable Battery having at least 5~6 hour backup for about 5ml/hr. flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.</p> <p>Accessories, spares and consumables All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).</p> <p>Power Supply Input power supply: 220/240 V AC , 50Hz single phase schuko plug</p> <p>Environmental factors The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95% The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%</p> <p>Standards and safety Should be FDA or CE approved product certificate.</p> <p>User Training Must provide operating and service trainings</p> <p>Warranty Comprehensive warranty for 2 years.</p> <p>Documentation User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy) Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy) List of important spare parts, accessories and consumables with their part numbers and costing. Certificate of calibration and inspection from factory.</p> <p>Delivery time</p> <p>Manufacturer</p> <p>Model</p> <p>Country of origin</p>	
3	Infusion pump	<p>Description of Function A microprocessor controlled infusion pump unit is needed to include but not limited to the following features: Flat hygienic touch screen. Syringe loading sensor – with KVO (keep vein open) Self calibrated, self diagnosis capability Volume range from 1 -999 ml/hr or better in 1 ml increment</p>	

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		High accuracy rate< /- 2%	
		Audio visual indicators	
		Multi types A/V alarms to include occlusion, door open, low battery, empty, etc...	
		Open system using standard IV lines	
		Air in line / fluid detector	
		Built in rechargeable battery, at least two hours operation	
		Clamp pole	
		Accessories, spares and consumables	
		All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
		Power Supply	
		Input power supply: 220/240 V AC , 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and Safety Requirements	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
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4	Transport incubator	Description of Function Required for transportation of premature babies and neonates and it can be used for long distance transportation.	
		Operational Requirements	
		It shall be self-contained mobile intensive care station including power supply unit and infusion stand.	
		System Configuration	
		Transport Incubator, complete unit with all standard accessories.	
		Technical Specifications	
		Microprocessor controlled, easy access control panel with feather touch switches.	
		It shall be mounted on collapsible trolley having lockable rust free casters of the size 4 inches dia. or more and with facility to mount two A type Aluminium oxygen cylinders on rack under the Incubator .	
		Single walled incubators with at least two large pot holes for access. Iris ports for ventilator & other tubings. Bed level at least 80 cm. above ground level. Two shelves cabinet with door.	
		Mattress to hood distance at least 30 cm.	
		Air Mode: Adjustable set temperatures between 20 oC to 39 oC. Display of set temperatures with resolution of 0.1 oC . Skin mode adjustable set temperatures between 34 oC to 38 oC . Display of set temperatures with resolution of 0.1 oC.	
		Alarms of high, low and probe failure for the set air mode up to +2.5 oC and skin mode of + 0.5 oC of temperatures.	
		Oxygen monitor in incubator hood with display of 21 to 100% Oxygen alarms for high, low and probe failure.	
		Heart and Oxygen saturation monitor: Fixed, built monitors, dual wavelength probe for Oxygen saturation with digital LED display for Heart rate and Oxygen saturation. Alarms for high and low for Heart Rate, Oxygen saturation and probe failure.	
		The system must have an internal rechargeable maintenance free battery to ensure continued functioning of the unit for at least 3 hours during transport. It shall have automatic switch circuit for change over from battery to AC and vice versa.	
		One suction apparatus with negative suction pressure of 5- 120 mm Hg must be provided.	
		Shall provide IV fluid stand to support two infusion bottles.	
		One Syringe infusion pump with stand compatible with 10, 20, and 50 ml syringes compatible with available brand of syringes. Range of infusion rate 1to 99 ml / hr.in steps of 0.1ml. Shall have display functions for infusion rates, alarms for occlusions, end of infusion and it shall have internal rechargeable battery.	
		Overall Dimensions with trolley (approx.):	
		Height less than 60".	
		Depth less than 30".	
		Width 33"-36".	
		Weight 90-100 kg or less.	
		Accessories, spares and consumables	
		All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.	
		Power supply	
		Input power supply: 220/240 V AC , 50Hz single phase schuko plug	
		supplied with UPS with maintenance free batteries, voltage regulation and spike protection for minimum 30 min.	
		Environmental factors	

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		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and safety	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		List of important spare parts, accessories and consumables with their part numbers and costing.	
		Certificate of calibration and inspection from factory.	
		Delivery time	
		Manufacturer	
		Model	
		Country of origin	
5	Infant warmer (without baby bed)	Description of Function	
		A radiant warmer is used to keep the patient's core temperature stable at 37 oC.	
		Operational Requirements	
		It shall be microprocessor controlled radiant warmer with manual and servo options.	
		System Configuration	
		Radiant Warmer with Baby Bassinet, complete unit with all standard accessories.	
		Technical Specifications	
		It must have facility to display both skin and air (ambient) temperature separately.	
		It shall have audio-visual alarm facilities for:	
		Overheating beyond set temperature range.	
		Patient temperature less than or greater than the required temperature i.e. above or below the set range.	
		Power failure.	
		Heater failure.	
		Probe failure.	
		Time out alarm in manual mode.	
		It must have manual setting for high and low alarm setting.	
		The light must be dazzle free.	
		In servo mode, the heater output must be controlled to maintain the baby at the required set temperature.	
		In manual mode, the heater output must be directly controlled by a setting on the front panel.	
		The desired temperature range from 25 to 40 oC.	
		The resolution must be 0.1 oC.	
		The height of the warmer must be adjustable for different types of bed.	
		Halogen based observation light must be provided for observing the baby.	
		It must be mounted on a pole with sturdy base with lockable castors.	
		Accessories, spares and consumables	
		All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.	
		Power supply	
		Input power supply: 220/240 V AC , 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and safety	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
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		Certificate of calibration and inspection from factory.	
		Delivery time	
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		Country of origin	
6	Blood gas analyzer	Description of Function	
		Blood gas analysers are used to measure blood gases , electrolytes , pH values and biochemical parameters of the blood	
		Technical specifications	
		Automated analyzer	
		Compact system for measuring pH, pCO2, pO2, -HCO3 in blood	
		Fast and accurate result of test made available in about 60 seconds.	
		May have provision of modular platform for further up gradation to include glucose, lactate & hemoglobin.	
		Built in printer	

No.	Equipment	Technical Specifications	Fill Your Specifications
		Barcode reader for reagents and other consumables, patient ID and quality control data	
		Automatic aspiration from syringe or capillary Sample size: approximate 250ul – 50ul	
		Easy-to follow computer assisted guidance for operator	
		Sample type: whole blood, serum, plasma	
		All parameters must be measured from a single sample	
		Approximate time for analysis: around 2 minutes	
		Automatic calibration, programmable 1 and 2 point calibration; in case of non-automatic calibration,	
		Please provide the calibration kit.	
		Data storage: approximate 500 patients	
		Ambient temperature:18 - 30 °C	
		Reagents and waste level detection by software	
		Save mode	
		Measurable parameters (approximate measurable ranges):	
		ph 6.5 - 7.8	
		pCO2 10 - 150 mmHg	
		pO2 10 - 700 mm Hg	
		Gluc 20 - 500 mg/dl or better	
		tHb 5 - 25 g/dL and/or Hct 15-60%	
		ctHb mmol/l 0.5 – 16.5	
		sO2 0 – 100%	
		fO2Hb 0 – 100%	
		fCOHb 0 – 100%	
		fMetHb 0 – 100%	
		fHb 0 – 100% optionally	
		Calculated parameters (approximate calculated ranges):	
		HCO3 0 - 100mmol/L	
		BE-30 - 30 mmol/L	
		tCO2 0 - 100mmol/L	
		pH(T) 6.5 - 7.8	
		RI 0-10	
		O2SAT 15-100%	
		Connection to PC at least RS 232	
		Self diagnosis system	
		No maintenance required for the electrodes	
		Consumables:	
		Consumables fluids, gases and electrodes for 2 year (with a usage rate of min 10 tests/day)	
		sensor cards (box)	
		Power Supply	
		Input power supply: 220/240 V AC , 50Hz single phase schuko plug	
		Suitable UPS with maintenance free batteries for minimum 30 min. shall be supplied with the system.	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-90%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and safety	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
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7	Phototherapy device	Description of function	
		Used to treat of hyperbilirubinemia in neonates concentrations in the blood.	
		Operational Requirements	
		It must be LED based single surface phototherapy unit used for clinical management of neonatal hyperbilirubinemia.	
		System Configuration	
		Phototherapy Unit (LED type), complete unit with all standard accessories.	
		Technical Specifications	
		Light Source :	
		Blue power LEDs for phototherapy	
		Wavelength: Blue Light: Peak between 450 and 470nm.	
		There shall be no UV and no IR radiation.	
		Phototherapy Intensity Adjustment:	
		Intensity at 30 cm: Low level > 20 µW/cm2/nm. High level > 30 µW/cm2/nm.	
		Effective area: 250mm round (at 30cm).	
		Therapy timer: An accurate LCD timer for recording therapy time with reset facility.	
		Life of LED: Minimum 20,000hours of use.	
		It must have flexible neck for easy use with Radiant Warmer.	
		Flexible Mobile Stand:	
		Base of Stand: Sturdy mild steel with epoxy powder coated base with casters.	
		Approx. 4 inch dia castors with break/locking mechanism.	
		Easily slides below all standard trolleys.	
		Height: Adjustable from 1,000 to 1,500mm +/- 50mm (from ground).	
		Tilt adjustment: 0° (horizontal) to approx. 40° (both sides).	

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		It shall have breakage free Stainless Steel clips and holders for acrylic panels.	
		It shall have facility to provide phototherapy from underneath also.	
		Accessories, spares and consumables	
		Accessories:	
		Phototherapy eye pads for preterm and term babies: 05 each.	
		All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
		Power Supply	
		Input power supply: 220/240 V AC , 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-90%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and safety	
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		User Training	
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		Warranty	
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		Certificate of calibration and inspection from factory.	
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		Country of origin	
8	Pulse oximeter (neonate probes)	<p>Description of function A pulse Oxymeter is a medical device that indirectly measures the amount of oxygen in a patient's blood</p> <p>Operational Requirements Suitable for all types of patient range, adult, paediatric and infant and shall operate on AC mains as well as from internal rechargeable battery.</p> <p>System Configuration Pulse Oxymeter, complete unit with all standard accessories.</p> <p>Technical specifications It shall be portable unit. Display- LCD, backlight illuminated. Parameters and waveform displayed SPO2(%) , HR(bpm) and signal strength bar SPO2 range: 70-100 % .Accuracy 2%. Pulse rate range must be 30-250 bpm. Audio-visual alarms: High/low SpO2 and pulse rate, sensor off, sensor failure, low battery. Shall have alarm override facility. It must be suitable to operate in the presence of potentially flammable anaesthetic gases, and it shall not cause fire or explosion during operations. Shall have integrated printer. Rechargeable battery for at least 4 hours. Battery charger along with AC adaptor</p> <p>Accessories, spares and consumables All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. 2 x reusable SpO2 sensors neonate, clip-on type (including connection cable) 10 x reusable SpO2 sensors neonate, wrap around type (including connection cable)</p> <p>Power Supply Input power supply: 220/240 V AC , 50Hz single phase schuko plug</p> <p>Environmental factors The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95% The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%</p> <p>Standards and safety Should be FDA or CE approved product certificate.</p> <p>User Training Must provide operating and service trainings</p> <p>Warranty Comprehensive warranty for 2 years.</p> <p>Documentation User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy) Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy) Certificate of calibration and inspection from factory.</p> <p>Delivery time</p> <p>Manufacturer</p> <p>Model</p> <p>Country of origin</p>	
9	Examination lamp	<p>Description of function Examination lamp use for medical examination</p> <p>Operational Requirements Shall operate on mains electric supply.</p> <p>System Configuration Examination lamp with all standard accessories.</p>	

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		Technical Specifications	
		Mobile examination light with sturdy construction and easily moveable.	
		Shall have heavy base with 5 swivel castors, 2 with brakes. Caster must be medical chemical resistant.	
		Low centre of gravity for optimal stability and reach.	
		Shall have single lamp with 7 LED 12V 1W light.	
		LED shall have life time more than 20,000 hours of operation.	
		Field-of-view diameter, approximately. 0.15m.	
		Homogeneous illumination across entire field-of-view, approx. 60.000 lux (at 0.5m).	
		Colour temperature, approximately: 4500K.	
		Light head mounted on spring loaded articulating arm, height approx.1.60m.	
		On/off switch incorporated in base or spring loaded articulating arm.	
		Accessories, spares and consumables	
		All standard accessories, consumables and parts required to operate the equipment	
		Power Supply	
		Input power supply: 220/240 V AC , 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and Safety Requirements	
		Should be FDA or CE approved product certificate.	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
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		Certificate of calibration and inspection from factory.	
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10	Resuscitation trolley	Description of function	
		Used to revive a newborn who is not breathing or has other serious problems	
		Technical specifications	
		Microcomputer controlled Radiant heat warmer (servo controlled) should provide controlled warmth during resuscitation of newborn babies.	
		Complete Stainless steel fabrication including trolley with antistatic castors, 2 with brakes.	
		User friendly feather touch control switches	
		Bright temperature display	
		Separate set temperature display. Set temp range 34-38° C (>37.0° override). Skin temp display 18-43° C. Accuracy +/- 0.2° C (31° C to 37° C)	
		Display for % of heater output. Heater output 0-100%, 10% increments	
		Control mode : Air mode/ Pre-warm mode and skin mode	
		Pre-warm mode with time programmable, Heater output settable, Over temperature safety cut off.	
		APGAR timer : Alerts at 1, 5 and 10 minutes.	
		Audio alarm volume control preferable	
		Safety alarms : Probe failure, >10 C of set temperature, <10C of set temperature, >390C Air temperature, power failure.	
		Safety high skin temperature cut off at 390C	
		Heater box should consist of ceramic infrared heater	
		The source box should be swivel type to take X-ray	
		Examination quartz lamp 50 W with illumination >0.11 lumens/cm2 (100 ft. Candles).	
		Attached Baby bed with following facilities:	
		i. Minimum 6mm thick collapsible side supports	
		ii. Baby tray with head up/down facility upto 45 degrees with thick cushion mattress	
		iii. Separate X-ray guide for positioning the cassette	
		iv. Open shelves, 2 Nos.	
		Patient gas supply Flow control range 0-15 LPM Airway pressure limit- Adjustable 0-50 cm H2O.	
		Autobreath infant resuscitator:	
		i. Adjustable breath rate range 18-60 BPM (+/-10% of setting)	
		ii. I:E ratio Fixed at 1:2 Nominal	
		iii. Pressure (PEEP) 0-18 H2O (0-1.77 kPa)	
		iv. Gas bleed 5 LPM Max	
		v. Precision blender (optional) 21-100% O2 +/-3% O2	
		Electrically operated suction unit should provide safe settable suction(0-150 mm Hg) required for neonates	
		Accessories, spares and consumables	
		Oxygen regulator with hose pipe, holding to keep oxygen cylinder of medium size (5 liters)	
		Flow meter	
		Humidifier bottle with silicon tubings	
		Power Supply	
		Input power supply: 220/240 V AC , 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and Safety Requirements	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	

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		Comprehensive warranty for 2 years.	
		Documentation	
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		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		List of important spare parts, accessories and consumables with their part numbers and costing.	
		Certificate of calibration and inspection from factory.	
		Delivery time	
		Manufacturer	
		Model	
		Country of origin	
11	Vein viewer (finder)	Description of function	
		The product should be able to define the subcutaneous veins for the purpose of cannulation.	
		Technical specifications	
		Light type: Near infrared light	
		It should make it easy to identify the valves in the veins.	
		It should be small and easy to be hand held.	
		It should have an inverse display, with veins appearing lighter compared to background.	
		Image Resolution: 720 x 480 minimum	
		The battery should be displayed on the screen.	
		Infrared wavelength: 850nm minimum	
		LED lifetime: 20,000 hours minimum	
		Accuracy: 0.25mm minimum	
		Best projection distance: 200A+ /-20mm	
		Image frame rate: 20FPS	
		The battery should last at least 3 hours.	
		It should be supplied with the battery charger.	
		Accessories, spares and consumables	
		All standard accessories, consumables and parts required to operate the equipment	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and safety	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		List of important spare parts, accessories and consumables with their part numbers and costing.	
		Certificate of calibration and inspection from factory.	
		Delivery time	
		Manufacturer	
		Model	
		Country of origin	
12	Digital thermometer	Description of Function	
		Clinical digital thermometer to check the temperature of body.	
		Operational Requirements	
		Human oral use.	
		System Configuration	
		Digital Thermometer, Clinical.	
		Technical Specifications	
		Flat type, wide thermometer, safe to use, no glass, no mercury.	
		Scale: Celsius scale.	
		Measurement range: 32°C to 43°C	
		Accuracy: +/- 0.1°C between 35°C to 41°C.	
		Display: Liquid crystal display, easy to read.	
		Shall works on battery. There shall be low battery indicator.	
		Shall have facility of beep sound and switch off.	
		Water proof for ease of cleaning.	
		Shall provide battery. Bidder to indicate the type of and number of battery to be supplied.	
		Accessories, Spares and Consumables	
		Packing:	
		Single piece packing in plastic barrel with cover.	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and safety requirements	
		Should be FDA or CE approved product certificate.	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Delivery time	
		Manufacturer	
		Model	

No.	Equipment	Technical Specifications	Fill Your Specifications
		Country of origin	
13	Baby capsule phototherapy	Description of Function	
		Used to treat of hyperbilirubinemia in neonates concentrations in the blood.	
		Technical Specifications	
		Mobile assembly with casters and accessories basket for easy movement within the unit	
		Microprocessor control of the radiance applied to the patient and monitors treatment time and the service life of the light emitting source	
		Alphanumeric display with backlight and easy-to-operate membrane keypad	
		Emission in the blue light spectrum for treating bilirubin	
		High radiance in the center and edges of the light focus	
		Approx 15 SuperLEDs	
		No infrared or ultraviolet light emission	
		Average service life of 20,000 hours	
		Radiance emitted: 47 uw/ cm ² .nm (maximum)	
		Mean radiance: 32.6 uw/ cm ² .nm	
		Dimensions of the lighted spot on the mattress approx : 32 x 20 cm	
		Height approx: 41.5 cm (tabletop), 120 cm (mobile)	
		Width approx: 40 cm (tabletop), 46.8 cm (mobile)	
		Length approx: 59.5 cm (tabletop), 83.8 cm (mobile)	
		Weight approx: 13.4 kg (tabletop), 31.9 kg (mobile)	
		Accessories, spares and consumables	
		Optical probe to measure radiance	
		Eye protection kit (glasses)	
		Gel mattress	
		Circular pillow	
		Skin temperature sensor	
		Skin sensor adhesives	
		Sliding drawers	
		Power Supply	
		Input power supply: 220/240 V AC, 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and Safety Requirements	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		List of important spare parts, accessories and consumables with their part numbers and costing.	
		Certificate of calibration and inspection from factory.	
		Delivery time	
		Manufacturer	
		Model	
		Country of origin	
14	ECG machine (neonate electrodes)	Description of Function	
		ECG Machine is primary equipment to record ECG Signal in various configurations.	
		Operational Requirements	
		Microprocessor controlled digital 3 channel ECG machine suitable for adult, paediatric and neonate applications.	
		System Configuration	
		3 channel ECG machine with complete accessories.	
		Technical Specifications	
		3 channel ECG machine with simultaneous acquisition of 12 standard leads: aVR, aVL, aVF, I, II, III and V1-6 pre-cordials.	
		Internal memory for storage of up to 50 ECGs.	
		Splash-resistant alphanumeric keyboard with function keys.	
		With zeroing reset, auto-base-line correction (0.5Hz) and 1mV test/calibration signal.	
		Filter setting for line-frequency (50 or 60Hz) and tremor.	
		Continuous check on the quality of electrodes connection, audio visual alert on loss of signal.	
		Appropriately protected for operation during defibrillation.	
		Alphanumeric colour LCD display, approximately: 4".	
		Display shows ECG-curves, heart rate, patient name and ID, time, age, sex, speed and filter setting.	
		ECG machine shall have 3 modes of operation – Automatic, Manual & Rhythm.	
		Shall have measurements and analysis programs.	
		Measurements: QRS rate, PR interval, QRS duration, QT/QTc, P/QRT/T axes, RV5/SV1.	
		Shall have interpretation and waveform analysis.	
		Shall have maintenance free digital thermal array printer.	
		Printer shall be able to print ECG report and must have on/off selection.	
		Shall have ECG lead annotation facility.	
		Paper speed, user adjustable: 25 and 50mm/sec.	
		CMRR shall be > 100dB.	
		Sensitivity, automatic or user selectable: 5, 10 and 20mm/mV.	
		Rechargeable battery & charger integrated in the device.	
		Battery autonomy, approximately 2 hours.	
		The unit shall be compact, light in weight, easy to carry.	
		Accessories, spares and consumables	
		Reusable patient cable with reusable electrodes for neonate & infant	

No.	Equipment	Technical Specifications	Fill Your Specifications
		Extremity clamp electrodes, reusable for neonate & infant	
		Recording paper 2 nos	
		Bottles of electrode gel, approx 350 ml 2 nos	
		Power Supply	
		Input power supply: 220/240 V AC, 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and Safety Requirements	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		List of important spare parts, accessories and consumables with their part numbers and costing.	
		Certificate of calibration and inspection from factory.	
		Delivery time	
		Manufacturer	
		Model	
		Country of origin	
15	Hydrogen proxide machine	Description of Function	
		Hydrogen peroxide sterilization, also known as hydrogen peroxide gas sterilization, is a low temperature sterilization process commonly used to sterilize heat-sensitive devices. A hydrogen peroxide sterilization cycle typically requires less time than alternative forms of sterilization, such as ethylene oxide sterilization. A hydrogen peroxide sterilization process involves H2O2 vapor filling the sterilizer chamber, contacting and sterilizing exposed device surfaces. Once the sterilization cycle has completed, the vapor is vacuumed from the chamber and converted to water and oxygen.	
		Technical Specifications	
		complete unit with all standard accessories.	
		Accessories, spares and consumables	
		All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.	
		Power Supply	
		Input power supply: 220/240 V AC, 50Hz single phase schuko plug	
		Environmental factors	
		The unit shall be capable of being stored continuously in ambient temperature of 0 -55deg C and relative humidity of 15-95%	
		The unit shall be capable of operating in ambient temperature of 20-50 deg C and relative humidity of 80%	
		Standards and Safety Requirements	
		Should be FDA or CE approved product certificate.	
		User Training	
		Must provide operating and service trainings	
		Warranty	
		Comprehensive warranty for 2 years.	
		Documentation	
		User (Operating) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		Service (Technical / Maintenance) manual in English Should provide 2 sets(hardcopy and soft-copy)	
		List of important spare parts, accessories and consumables with their part numbers and costing.	
		Certificate of calibration and inspection from factory.	
		Delivery time	
		Manufacturer	
		Model	
		Country of origin	