

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 15

NIT HOSPITAL

Web: www.nitt.edu

Phone: 0431 - 2503860



QUOTATION

Quotation Notification No.: NITT/HOSPITAL/VN/PLAN/2012

Dated: 19-6-2012

Name of the component : Equipments

EMD Amount : Rs. 2000 (only for ** items Nos. 15,25 & 29)

Delivery : Two weeks

Last Date of submission of Tender : 09-07-2012

Address for submission of Tender : Dr. V. Natarajan,
Chief Medical Officer,
NIT Hospital,
National Institute of Technology
Tiruchirappalli – 620 015

Date of opening of technical bid : 09-07-2012



NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 15

NIT HOSPITAL

Quotation Notification No.: NITT/HOSPITAL/VN/PLAN/2012

Dated 19-06-2012

NOTICE INVITING QUOTATION

The National Institute of Technology, Tiruchirappalli (NITT) is an autonomous body under MHRD, GOI, imparting Technical Education and engaged in Research Activities. It is proposed to procure the following components for the NIT Hospital

Sealed quotations are invited for the following components subject to the following terms and conditions, from the reputed manufacturers or their authorized dealers so as to reach this office on or before scheduled date and time. The sealed cover will be opened on the mentioned day in the presence of bidders or their authorized agents who may choose to be present.

Name of the component : Equipments

EMD (in Rupees) : Rs. 2000 (only for ** items Nos. 25 & 29)

Time for completion of supply after placing purchase order: 15 Days

Last Date of submission of quotation : 09-07-2012

Quotation to be submitted at the following address : Dr. V. Natarajan,
Chief Medical Officer,
NIT Hospital,
National Institute of Technology
Tiruchirappalli – 620 015

Place, Date and time of opening of bid :

Venue: NITT Store Room. Date: 09-07-2012 Time: 3.30 p.m

Note: The Institute shall not be responsible for any postal delay about non-receipt / non delivery of the bids or due to wrong addressee.

SECTION: 1 INSTRUCTION TO BIDDER

1. The bidders should give details of their technical soundness and provide list of customers of previous supply of similar items to Government/Private sectors Hospital with contact details. The details of the bidder/profile should be furnished along with the copy of all related documents.

1.1 Documents to be submitted in the Bid:

- (i) Copy of license certificate for manufacture/supply of the item.
- (ii) Income Tax PAN number
- (iii) Catalogue of the product with detailed product specifications
- (iv) Shelf-life of the chemicals offered for supply is to be specified.
- (v) EMD, if applicable by Demand Draft, drawn on any scheduled bank in favour of "The Director, NIT, Trichy" payable at Trichy should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected.

2. The agencies should submit their rate in Indian rupee as per the format given in Section 4 of the Notice Inviting tender. The rate should be quoted both in words and figures. All the pages of the bid should be signed affixing the seal. All corrections and overwriting should be initialed.

The bid cover should be duly superscribed with the following details.

(1) Quotation Notification Number (2) Quotation for the supply of (3) Date of opening

Mention "Kind Attention: Contact's person's name and phone number", and submit at the address given in the quotation Notice.

3. The quotation will be acceptable only from the manufacturers or its authorized supplier.
4. The bid shall be in the format of price schedule given in Section 4. The contract form as per format given in section 5 shall be submitted. Incomplete or conditional quotation will be rejected.
5. Details the specifications are mentioned in Section 3 appended to this quotation Notice.
6. The item to be used is strictly according to the specification and subject to test by the Institute/concerned authorities. It must be delivered and installed in good working condition.
7. The Institute reserves the right to cancel or reduce the quantity included in the schedule of requirements at any time after acceptance of the quotation with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
8. 5% of the supply value will be retained by the Institute towards Performance Security and will be returned to the supplier after the period of warranty.

9. Release of EMD: The EMD shall be released after receipt of performance security from successful bidder.
10. Validity of bids: The rate quote should be valid for a minimum of 60 days. No claim for escalation of rate will be considered after opening the Quotation.
11. Imports: In case, goods are to be imported, the Indian agent should furnish authorization certificate by the principles abroad for submission of the bid in response to this Quotation Notice.
12. Clarification of Quotation Document: A prospective bidder requiring any clarification of the Quotation document may communicate to the contact person given in this notice inviting quotation.
13. Amendment of quotation document: At any time prior to the last date of receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Quotation document by an amendment.
14. *The Institute may at its own discretion extend the last date for the receipt of bids.*
15. The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
16. The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of quotation and purchase.
17. The bidder should give the following declaration while submitting the Quotation.

DECLARATION

I/we have not tampered/modified the quotation forms in any manner. In case, if the same is found to be tampered/modified, I/we understand that my/our quotation will be summarily rejected and full Earnest Money Deposit (EMD) will be forfeited and I/we am/are liable to be banned from doing business with NIT, Trichy and /or prosecuted.

Signature of the Bidder :

Name and Designation :

Business Address :
.....
.....

Place :

Date :

Seal of the Bidder's Firm

18. Any other details required may be obtained from the contact person given in the notice inviting quotation during the office hours.

SECTION : 2 CONDITIONS OF CONTRACT

1. The rates should be quoted for FOR NIT, Trichy for supply within India.
2. In case of import both CIF and / or FOB rate should be quoted. All components of expenditure to arrive at Chennai need to be explicitly specified.
3. The bidder shall indicate the excise duty exemption for the goods if applicable
4. The Institute is eligible for customs duty and excise duty exemption.
5. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
6. Rate quoted should be inclusive of Testing, commissioning and installation of equipment and training.
7. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier. In case of imports, the payment will be made through LC after installation and performance security need to be submitted at the time of LC commitment.
8. Guarantee and Warrantee period should be specified for the complete period conforming to the section 3 of this quotation document.
9. Period required for the supply and installation of item should be specified conforming to the section 3 of this quotation document.
10. In case of dispute, the matter will be subject to Tiruchirappalli, Tamil Nadu Jurisdiction only.

SECTION: 3 SCHEDULES OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

Name of the Component to be procured	:	Equipments
Specifications	:	List attached
Any other details/requirement	:	1. Certificate of Analysis (CoA) (Supplied along with quotation document) 2. MSDS (Supplied along with Material)
Warranty period required	:	Minimum 12 Month
Delivery schedule expected after release of purchase order (in weeks)	:	2 weeks
EMD (in Rupees)	:	Not applicable
Performance Security to be given by Successful bidder after release of purchase order (in Rupees)	:	Not applicable

SECTION: 4 PRICE SCHEDULE

[To be used by the bidder for submission of the bid]

- 1. Component Name :

- 2. Specifications (confirming to Section 3 of Quotation document-enclose additional sheets if necessary) :
- 3. Currency and Unit Price :

- 4. Quantity :

- 5. Item cost (in Indian Rupee) (Sl.No.3 & Sl.No.4) :

- 6. Taxes and other charges :
 - (i) Specify the type of taxes and duties in percentages and also in figures
 - (ii) Specify other charges in figures

- 7. Warranty period (confirming to the Section 3 of Quotation document. This should be mentioned in Technical bid also in order to get qualified for Financial bid) :
- 8. Delivery Schedule (confirming to the Section 3 of Quotation document) :
- 9. Name and address of the firm for placing purchase order :

- 10. Name and address of Indian authorized agent (in case of imports only) :

Signature of the Bidder :

Name and Designation :

Business Address :
.....
.....

Place :

Date :

Seal of the Bidder's Firm

SECTION : 5 CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. {Name of the Supplier's Firm) hereby abide to deliver theby the delivery schedule mentioned in the Section 3 quotation document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the quotation document without any defect and deviations.
3. Warranty will be given for the period mentioned in the quotation document and service will be rendered to the satisfaction of NIT, Trichy during this period.

Signature of the Bidder :

Name and Designation :

Business Address :
.....
.....

Place :

Date :

Seal of the Bidder's Firm

Technical Specifications for Equipments

Sl.No.	Name of the Instrument	Description
1	Glucometer with 20 strips	<ul style="list-style-type: none"> • Measuring Range: 10-600 mg/dl (0.6-33.3 mmol/L) or higher. • Sample Size: 1-2 µL (1 µL (microlitre) - 1 thousandth of a milliliter) • Measuring time: • Approx 5 sec if test strip is in meter when applied • Approx 10 sec if test strip is outside the meter when applied • Power Supply: 1 battery (type CR 2032) • Battery life: Approx. 1000 tests or approx 1 year. • Automatic Power-off: After 30 or 90 seconds • Memory: 350 or more test results with time and date • Temperature During testing: +10°C to +40°C • During storage: • Without battery -25°C to +70°C • With battery -10°C to +50°C <li style="text-align: center;">Atmospheric humidity • During testing: up to 85% relative humidity • During storage: up to 93% relative humidity • Altitude: sea level to 4000 m • Without battery: approx 55 g • With battery: approx 60 g • Automatic coding: Via reliable code chip. <p style="text-align: center;">Warnings: Strip expiry warning, thanks to reliable data stored in the code chip.</p>
2	Crash cart/trolley	<ul style="list-style-type: none"> • Size About W 720mm x D 650mm x H 1600mm • 6 Drawer Modular system upper two drawers with medicine containers; pre-treated and epoxy powder coated. • One S.S. I.V. Rod • Electric lamp • Message Board • 6 Detachable plastic bins • 2 cages for oxygen and nitrous cylinders • Top tray for monitor and pulse oxymeter • System mounted on 100 mm dia. wheels, with pair of front Brakes
3	Suction apparatus (Portable)	<p>ESU-149.52Standard</p> <p>Consumables Included</p>

		<ul style="list-style-type: none"> • Two autoclavable polycarbonate jars with overflow valve system • One antibacterial and hydrophobic filter • One complete set of silicone / PVC tubes • One conical connector for cannula • One Power Cord. <p>Motor :Oil less and maintenance free piston pump</p> <p>Power Feeding :220 50Hz</p> <p>Maximum Vacuum (adjustable) :-700mmHg+/-10mmHg</p> <p>Max free air flow rate :30 l/min</p> <p>Years of warranty :1 atleast</p>
4	Nebulizer kit (Pulmomist)	<ul style="list-style-type: none"> • Piston Driven Compressor with a free flow rate of 8 LPM delivering medication quickly and effectively. • Design : Rounded corners, integrated carrying handle and built in Nebuliser holder. • Built in Compressor Relief Valve. • ABS Injection Moulded Cabinet. • Recessed Air outlet to prevent damage. • Reusable filter easily removable. • One button operation. <p style="text-align: center;">Product Specification</p> <ul style="list-style-type: none"> • Size (WxHxD) :6 inches x 4 inches x 7 inches • Weight :1.4 Kgs • Maximum Compressure Pressure :25 PSIG • Maximum Operating Pressure :11-15 PSIG • Nebulisation Rate :3 cc H2O / 8-11 Minutes • Free Air Flow :11 LPM • Compressor Type :Piston Driven <p style="text-align: center;">Electrical Requirements :0.7 A, 230 VAC, 50 Hz Power Consumption :50-60 Watts Warranty :One Year Approvals :FDA, CE, ISO</p>
5	Sphygmomanometer i) Aneroid	<p style="text-align: center;">Features:</p> <ul style="list-style-type: none"> • Gearless, to meet or exceed AAMI SP9 specifications, shock resistance(to maintain its performance characteristics after a 30-inch drop onto a hard surface) • gauge that snaps directly into the cuff for fast, easy cuff changes • The gauge rotates 360° for easy viewing

		<ul style="list-style-type: none"> designed for accurate application to the brachial artery of either arm for more convenient measurements two-tone cuff, faster and easier to orient and apply, especially in low-light conditions One-Piece Cuff Latex-free cuff is easy to clean, disinfect, or sterilize Premium Tycos valve Large, premium inflation bulb (on Adult and Large Adult sizes) reduces the number of pumps required to inflate cuff <p style="text-align: center;">Key Components:</p> <ul style="list-style-type: none"> Integrated Durable One-Piece Cuff, two-tone gray cuff with black tube, large adult. Polyester Zipper Case Premium Large Inflation Bulb (Black) Air Release Valve
	ii) Regular	<ul style="list-style-type: none"> Desk type Mercury with high accuracy Measure scope: 0-300mmHg <li style="text-align: center;">With Adult Velcro cuff : Size 9-15.7inches Additional Cuff size REQUIREMENTS INFANT : 3.5 TO 5.5 INCHES 1NOS CHILD: 5.1 TO 7.6 INCHES 2NOS
6	Stethoscope i) Adult Double head (Microtone)	<p>Chest piece : even and delicate texture, exceptional surface finish, clear-cut and highly stereo profile, and high consistency.</p> <ul style="list-style-type: none"> - 180 degrees revolving axle to change the auscultation side. - internal hole of scope 0.05mm - conducting tube with embedded elastic sheet with high durability and a sound-collecting button outside the its Y type cavity to facilitate the sound conduction. -Earphone Flexible PVC. - diaphragm PE compound film - Low temperature, minimal susceptibility to deforming and ageing, and high fidelity.
	ii) Pediatric Double head (Microtone)	Microtone Paediatric stethoscope with 35 mm chest piece.
	iii) Adult Triple head (tygon)	<ul style="list-style-type: none"> Three way (3 in 1) chest piece. Chest piece Adult and Paediatric sided along with Deep Bell. Tube made in Tow tubes Strong seamless frame of 6mm. thick brass pipe.

7	Oxygen masks disposable i) Adult ii) Pediatric	<ul style="list-style-type: none"> • Soft, vinyl material • Adult and pediatric size • Comfortable • Adjustable nose clip • Latex free
8	Nasal cannula i) Adult ii) Pediatric iii) Infant	<ul style="list-style-type: none"> • Latex Free • Curved, Non-flared Tips • 7ft (2.1m) Tubing • Female Luer Locke Fitting • Over-the-Ear Style • To deliver oxygen 3 to 6 litres per minute
9	Saline stand i) 3 legged ii) 5 legged	<ul style="list-style-type: none"> • Adjustable height • Strong tubular stand • Mounted on press bent five winged base • Fitted with five casters • Double hook adjustable with a Bakelite knob
10	Patient stools	M.S. Tubular four legs fitted on PVC stumps. S.S. Foot ring supports 18" to 27" adjustable height S.S. Top through screw. Finish : Pre-treated and Epoxy Powder Coated.
11	Puncture proof container	<p>The cutting blade of the cutter will be made of stainless steel (IS 6911 of 1992). The thickness of the blade will not be less than 0.5 mm with one side sharpen to cut minimum of 10,000 cuts. The supplier shall submit a type set from a recognized approved laboratory for (i) blade edge sharpness (ii) revert joint looseness (iii) soundness of plastic parts.</p> <p>All other metal if used in the hub cutter will be made of galvanized carbon steel which will withstand rusting even in rough weather with high humidity coastal region for a minimum of five year</p> <p>Shape: The shape of the container will be such that the lid is tightened with the body with a twist and cannot be opened by pulling the lid and the body in the opposite direction.</p> <p>Resistance to piercing: Container shall accept 500 cut needles along with the hub when it is 3/4th full (filling line). Needles shall not penetrate container walls when filled up to the filling line</p> <p>Tamper-proofing</p> <p>Capacity of the container: have sufficient capacity to hold 500, 18-28-gauge, 10-25 mm long needles with hub.</p>
12	Otoscope cum ophthalmoscope	<p>Fibre optic otoscope with 3.5x magnification</p> <p>Insufflation port for pneumatic otoscopy</p> <p>C- cell battery handle</p> <p>Complete with reusable speculum, in a hard case</p> <p>At least 10 year warranty</p>
13	LED Headlight	<p>Key Specifications of LED fiber link:</p> <p>Dimension's - W: 165mm H: 70mm D: 120mm.</p> <p>Power Supply – 230 Volt AC 50Hz.</p>

		<p>Power consumption – 20 Watts Light Colour : pure white Or warm white Colour temperature – 6500ct. Body – ABS plastic Weight : kg Led life {typ}: 15000Hrs Flux (Im) {typ.}: 800</p>
14	Finger Tip Or Hand Held Pulse Oximeter	<p>SPO2</p> <ul style="list-style-type: none"> • Range 0 to 99% functional SpO2 (1%INCREMENTS) • Accuracy $\pm 2\%$ at 70 to 99% • Averaging 8 pulse beat average <p>PULSE RATE</p> <ul style="list-style-type: none"> • Range 30 to 260 bpm (1 bpm increments) • Accuracy $\pm 2\%$ or 2 bpm (whichever is greater) • Averaging 8 second average <p>POWER : AAA ALKALINE BATTERIES BATTERY Life expected: 16 hours continuous use 1400 spot checks, 1 min ON, 2 min OFF REGULATORY COMPLIANCE : ISO 9001/ISO 13485</p>
15 ^{**}	ECG machine BIONET – 12 ch	<p>Specification for ECG Machine BioNet CardioTouch 3000 are :</p> <p>Dimensions (H x W x D): 305.5 mm x 296 mm x 92.5 mm Weight: Approximately 3.5 kg Recording channel: 3, 6, 12 channel and 1 channel (60 sec) Sensitivity: 5, 10, 20, auto (I~aVF: 10, V1~V6: 5) mm/mV Printing speed: 12.5, 25, 50 mm/s Display: 320 x 240 character LCD display (3 leads trends) Monitor Display: ID, date, sensitivity, speed, filter, form, rhythm lead User Interface: Touch screen (alphanumeric and symbol available), keyboard, rotary push-knob (pop-up menu) Patient data: ID, name, age, sex, height, weight Basic measurement: Heart rate, PR, QRS, QT/QTc, P-R-T axis Signal quality control: Disconnect lead detection Power: Power supply: AC or built-in battery (option) 100-240 vac, 50/60Hz, 1.0-0.5 A, 60W max Battery (Ni-MH): 1 hour of normal use (approx. 100 ECG printouts) Communication: PC connection with RS-232 interface and LAN Safety: Class 1, Type BF Conformity: CE, CSA Filters ; AC (50/60Hz, - 20dB or better), Muscle (25~35Hz, -3dB or better), Base line drift (0.1Hz, -3dB or better), Low pass filter: off, 40Hz, 100Hz, 150 Hz Recorder: Thermal print head, thermal roll paper Report papers ; Width (A4): 210 mm or 8.5in, Length (A4): 300mm or 11in, Effective writing width: 204 mm Resolution ; Vertical: 8 dot/mm, Horizontal: 16 dot/mm Electrical ; Internal noise: 20uV (p-p)max, Input circuit: Floating input, Isolated and defibrillation protected, Input impedance: $\geq 10MO$, Input range: $\geq \pm 5mV$, Common Mode Rejection: $\geq +100dB$, DC offset voltage: $\geq \pm 300mV$,</p>

		Time constant: 3.2sec, Patient leakage current: <10ua,>																																
16	Stainless Steel Seamless Autoclave	Made of thick 304 grade stainless steel deep drawn having twin safety system through weight type and spring safety valve which ensures perfect operation even if one malfunctions. Both gas and electric operated models are available. It conforms to IS: 8462 - 1979. Overall approximate size: 350 mm dia x 300 - 325 mm (H) Model Dimension (in mm) (DIAMETER x HEIGHT) in inches AMT 747 A 510 mm(L) x 200 mm(W) x 150 mm(H) 2.0 kw AMT 747 B 430 mm(L) x 200 mm(W) x 150 mm(H) 1.5 kw AMT 747 C 300 mm(L) x 150 mm(W) x 125 mm(H) 1.0 kw																																
17	Movable screen (4 section)	i)High strength ii)Durable iii)Easy adjustable iv)Stain resistance BS-51 bedside screen Overall size: 165cmx2400cm Middle span: 1200cm																																
18	Mini Wright PEFR (Peak Expiratory Flow Rate)meter	<ul style="list-style-type: none"> • Light plastic Cylinder measuring 15x5cm weighing 72 gm • Spring piston that slides freely on a rod within the body of the instrument . • The piston drives an independent sliding indicator along a slot marked with a scale graduated, • Low range from 50-350 L/min and • High range from 60-800 L/min. • The indicator records the maximum movement of the piston, remaining in that position until return to zero by the operator. 																																
19	Cervical collar kit	<table border="0"> <tr> <td>Adjustable sizes</td> <td>Neckless, Short, Regular and Tall</td> </tr> <tr> <td>Number of settings</td> <td>8 adjustments</td> </tr> <tr> <td>Dimensions</td> <td>554 x 215 x 14 mm (21.8" x 8.5" x 0.6")</td> </tr> <tr> <td>Weight</td> <td>200 g (7 ounces)</td> </tr> <tr> <td>Color</td> <td>Blue/light grey</td> </tr> <tr> <td>Translucency</td> <td>CT and MRI compatible</td> </tr> <tr> <td>Storage temperature</td> <td>-30° to +70° C</td> </tr> <tr> <td>Operation temperature</td> <td>-10° to +40° C</td> </tr> </table> <table border="0"> <tr> <td>Adjustable sizes</td> <td>Infant, Pediatric and Small Adult</td> </tr> <tr> <td>Number of settings</td> <td>6 adjustments</td> </tr> <tr> <td>Dimensions</td> <td>447 x 188 x 14 mm (17.6" x 7.4" x 0.6")</td> </tr> <tr> <td>Weight</td> <td>100 g (3.5 ounces)</td> </tr> <tr> <td>Color</td> <td>Yellow/light grey</td> </tr> <tr> <td>Translucency</td> <td>CT and MRI compatible</td> </tr> <tr> <td>Storage temperature</td> <td>-30° to +70° C</td> </tr> <tr> <td>Operation temperature</td> <td>-10° to +40° C</td> </tr> </table>	Adjustable sizes	Neckless, Short, Regular and Tall	Number of settings	8 adjustments	Dimensions	554 x 215 x 14 mm (21.8" x 8.5" x 0.6")	Weight	200 g (7 ounces)	Color	Blue/light grey	Translucency	CT and MRI compatible	Storage temperature	-30° to +70° C	Operation temperature	-10° to +40° C	Adjustable sizes	Infant, Pediatric and Small Adult	Number of settings	6 adjustments	Dimensions	447 x 188 x 14 mm (17.6" x 7.4" x 0.6")	Weight	100 g (3.5 ounces)	Color	Yellow/light grey	Translucency	CT and MRI compatible	Storage temperature	-30° to +70° C	Operation temperature	-10° to +40° C
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20	Ice Lined Refrigerator 100+/- 10 lit.	<ul style="list-style-type: none"> • Ice-lined refrigerators maintain temperatures below +8°C even with 16 hours electricity failure per 24 hours, day after day. • Designed for tropical climates. • Vaccine storage capacity: 100 +/- 10% Litres with baskets in place • Construction: Internal: Stainless steel/Galvanised steel (min.0.9 mm, 22 g) plus an additional special icelining consisting of icepacks covered by strong plastic shell. External: Corrosion Resistance (CR at least 1 mm thickness) Chest type with CFC – free insulation Upright trays Solid door with lock and handle • Foam pad cover • Type: Compression Cycled, CFC-Free Refrigerant R-134a(both for refrigeration and insulation) <u>Cooling coil of Copper</u> • Temperature of a full vaccines load to remain 2 deg C to 8 deg C (a) during continuous availability of energy at +43 deg C and +32 deg C continuous ambient temperature and also during day/night cycling temperature of 43 deg C/15 deg C(b) Intermittent electricity supply 8 hrs or 16 hrs off at 43 deg C continuous temperature (20 days test) • Target holdover time should be 15 hours or more in a continuous external temperature of 43 deg C and 40 hours or more in a continuous external temperature of 32 deg C. • Compressor starting at 22% below rated voltage (both hot and cold starts). • Provision for drainage for the waste water. Easy access to this waste water container for disposal of waste water. Compatible water trap system. • Should have adjustments for uneven bases. The adjustments should be easy to use like rotating a screw at the legs in the base. • Inlet of Capillary should be out side the PUF body. • ON/OFF Switch and Power indicator should be available • Vaccine Storage baskets (7 wires type) • External Mercury Thermometer- one piece per unit range of -50 to +50 degree centigrade • Integrated Digital Temperature display LCD/LED-01
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		<p>(for displaying temperature inside the system)</p> <ul style="list-style-type: none"> ● The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90% ● The unit shall be capable of operating continuously in ambient temperature of 5 -45deg C and relative humidity of 15-90% ● Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian plug. Suitable Automatic Voltage regulator/stabilizer meeting ISI specifications should be supplied. ● Broad specifications are : Automatic Type Input 150-280V , Output 220 V +/- 7 % , 50 Hz . Single phase , AC with automatic 2-4 sec Cut Off and 6-9 minutes restart delay.. Quick start arrangements for bypassing the start delay. Suitable MCB on input voltmeter and indicators on Front Panel. Input Poer Cable with 15 A Plug and six way output terminal strip for two outlets ● Should be FDA or CE approved or ISI marked product ● Should meet WHO/UNICEF Standard E3/RF.3.for Ice Lined Refrigerators ● Test and inspections as per WHO Procedure reference: E3/PROC/4 for Ice Lined Refrigerators ● Colour code : WHITE ● User/Technical/Maintenance manuals to be supplied ● List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual. ● Certificate of inspection from an independent laboratory approved /recognized by National Accreditation Board /STQC Labs. ● List of important spare parts and accessories with their part number and costing. Available in stock with the supplier.
21	Weighing Machine Digital	<p>ISI Marked ELECTRONIC ADULT WEIGHING SACALES (PORTABLE) Conforming to IS: 9281 (Pt.-1 & 2)/ 1979, IS: 9281 (Pt.-3) & IS:-9281 (Pt.-4) 1983 (reaffirmed 2006) with upto date amendments.</p> <p>1. Capacity: 160 kg. Accuracy 100 g.</p>

		<p>2. Platform size 350 x 350 mm (Tolerance +/-10%)</p> <p>3. Display should be LCD with four digits. Size of display should be of minimum height 24 mm for clear visibility.</p> <p>4. Should be made up of sturdy mechanical structure to support/ to withstand heavy work load in public health center.</p> <p>5. The Scale should operate on dry cell batteries and the batteries should sustain up to minimum of six months. The inbuilt batteries should be supplied with the scale.</p> <p>6. The reading should get locked automatically at stable weight and there should be an indication of Stable weight.</p> <p>7. The scale should have facility for kg/lb conversion and there should be indication for kg/lb.</p> <p>8. It should have Battery low indication.</p> <p>9. The scale should have AUTO-OFF feature for reducing the power consumption and to extend battery back-up period.</p> <p>10. The Scale should be as per BIS specifications. The scale should have ISI mark.</p> <p>11. should have model approval from Legal Metrology Dept., Govt. of India.</p>
22	Nelson inhaler	Nelson inhaler earthenware NHS pattern complete 500 ml
23	Tympanic thermometer	<ul style="list-style-type: none"> • Displays measurements in degrees Centigrade or Fahrenheit. • Measurement range 34 C - 42.2 C • Accuracy +/- 0.1 C • Automatic switch off function to prolong battery life. • Backlight function for easy viewing • Simple one touch operation (in fast one second mode) • Unique directional mode • Memory - records last measurement reading • Beeper guided operation • Supplied with 10 probe covers. • 2 year warranty atleast • Battery to be included.

24	Flying insect control system (Pesto flash)	<p>Conforms to latest International Safety Standards, GMP, CGMP, HACCP & ISO specs</p> <p>Attracts and traps flying insects permanently on replaceable control (glue) boards</p> <p>Uses UVA tubes: highly attractive to insects but safe for humans</p> <p>No high voltage, grid, no "Zap", no risk of accidental electric shock</p> <p>No fragmentation of insects thus no contamination hazards in food processing, pharma units, hospitals, etc</p> <p>Lightweight yet sturdy body made of ABS plastic - a permanent asset; no rusting associated with conventional metal models</p> <p>Easy to maintain and service; click-on covers and easily replaceable control (glue) boards</p> <p>Continuous operation: at least one tube will always remain on*</p>
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		<p>TECHNICAL SPECIFICATION</p> <p>Electrical</p> <p>Input voltage: 220-240V50Hz (EURO) 100v-50/60Hz (JAPAN)</p> <p>Input power: This is dependent on tube wattage and no. of tubes fitted. 15wx3=45w</p> <p>Dimensions and weight</p> <table border="0"> <tr> <td>Height:</td> <td>344 mm approx</td> <td>13.5 inch</td> </tr> <tr> <td>Width:</td> <td>528 mm "</td> <td>20.7 inch</td> </tr> <tr> <td>Depth:</td> <td>128 mm "</td> <td>5 inch</td> </tr> <tr> <td>Weight:</td> <td>4.5 kg</td> <td>10 lb</td> </tr> </table> <p>Model</p> <p>Cw315 3 X 15 watt</p> <p>Control Boards CBP-400 (Pack of 10)</p> <p>Insect Attractant UVA Tube BL350</p> <p>Tube type LUV015-00</p> <p>International Safety Standards Certified to IEC 335-1, IEC 335-2-59</p>	Height:	344 mm approx	13.5 inch	Width:	528 mm "	20.7 inch	Depth:	128 mm "	5 inch	Weight:	4.5 kg	10 lb	
Height:	344 mm approx	13.5 inch													
Width:	528 mm "	20.7 inch													
Depth:	128 mm "	5 inch													
Weight:	4.5 kg	10 lb													
25**	Diagnostic nasal endoscopy unit portable with probes.	<p>To include fibre optic cable and rigid case for transport, conventional image guide system, 2 way deflection, one hand operation, completely soakable. Resolution: 8,000 pixels. Working length: 300 mm Working Ø: 3.2 mm Deflection: up 160°, down 160° Length of movable tip section: 20 mm Direction of view: 0° Field of view: wide angle Depth of focus: 3-60 mm - angle of: 80°</p>													
26	Syringe pump	<p>LCD display helps to see flow rate, infused volume, etc. at a glance without pressing any key</p> <ul style="list-style-type: none"> - The alarm message on the display helps the user to identify easily - Preprogrammed and user programmable Drug Library - Automatic calculation of delivery rate in ml/h based on the entry of drug concentration in conjunction with the desired dose rate (e.g.: ml/kg/min) - Can be used with 10, 20, 30 and 50 ml syringes - Different syringe brand mode for the maximum accuracy - Custom mode enables the user to program any brand syringe other than the pre-configured modes and get maximum accuracy - Automatically stops infusion when it completes the target volume - Automatically stops infusion when it reaches the target time - Automatic flow rate calculation by calculating volume over time 													

- Review of infused volume and elapsed time while the pump is running
- KVO mode keep the line live and thus enables for the later infusion
- Long battery back-up helps for portability with uninterrupted infusion
- Bolus mode helps to give a sudden dose of drug delivery if needed
- Pre programmable one touch auto bolus and manual bolus mode for user choice
- Near to empty alarm and end alarm
- Ramp-up/Ramp-down program mode helps to give taper dose
- Easy upgradeable to Patient Controlled Analgesia (PCA) at any time

Technical Specifications

Power Supply	: AC 180V to 270V 50Hz Automatic changeover to internal battery at less than 180 V
Battery	: NiCd 12V rechargeable battery used. Operates on Battery for 4 hrs @ 5ml/Hr flow rate on 50 ml syringe.
Power Consumption	: AC Power source 0.1 Amps (max). 7 VA (Maximum Consumption)
Applicable Syringe	: 10ml, 20ml, 30ml, 50ml &100ml, Syringe from JMS, Braun, Dispovan ,BD and Custom programmable for any brand Syringe
Custom Programmable Syringe	: Programmable to any Syringe Brand to ensure accurate infusion on all syringe brands. Programming is simple and may be programmed onfield by technician Syringe size detection is automatic.
Flow Rate Range	: 0.1 - 240 ml/Hr (10ml Syringe) 0.1 - 400 ml/Hr (20ml Syringe) 0.1 - 600 ml/Hr (30ml Syringe) 0.1 - 840 ml/Hr (50ml Syringe) 0.1 - 999 ml/Hr (100ml Syringe)
Infused Volume	: 0.1 - 999.9 ml
Elapsed Time	: Display of Elapsed time from 00.00 to 99.59 hrs
Accuracy	: Mechanical Accuracy $\pm 1\%$ Including Syringe $\pm 3\%$
Bolus	: Purge Bolus & Auto Bolus
Bolus Rate	: 200 ml/Hr 10 ml Syringe, 360 ml/Hr 20 ml Syringe, 560 ml/Hr 30 ml Syringe, 800 ml/Hr 50 ml Syringe, 999 ml/Hr 100 ml Syringe
Bolus Volume	: 0.1ml to 5 ml in 0.1 ml increments (auto Bolus)
Sequential Mode	: Sequential program of five different flow-rate at different time or volume target
5 Programmable Mode	: Dosage can be stepped Up or stepped Down by 5 intervals programmed by user. The intervals can be specified by time or volume. Dosage Taper Down : Available
Drug Library	: Available

			<p>KVO : Programmable by user from 0.0ml/Hr to 9.9ml/Hr in 0.1 ml increment.</p> <p>Occlusion Pressure : 10 steps selection from OFF to 9 for Occlusion sensitivity</p> <p>Alarms AL1 - Syringe holder disturbed during infusion AL2 - Target Volume reached AL3 - Target time reached AL4 - OFF- Battery Discharged AL5 - Motor unable to drive AL6 - End of Syringe AL7 - PCA probe disconnected, AL8-Occlusion</p> <p>Flow Rate setting : Type I : Set Flow Rate only, Type II : Set Flow Rate and Target Volume, Type III: Set Flow rate and target time, Type IV: Set Target Volume & Target time thereby the flow rate is automatically calculated and set Type V: Can vary the set flow rate, target volume and target time while infusion.</p> <p>Audio Visual Indication : Near Empty, Battery low, Operation on battery</p> <p>Special Functions : Adjustable buzzer volume (OFF 9 level)</p> <p>PCA(Optional) : PCA dose can be present from 0.1 to 10ml Minimum locking time interval between two doses 0 - 24hrs in steps of 1min, Delivered and non delivered doses display</p> <p>Safety Testing : IEC 601-01</p> <p>Dimension : 275 x 161 x 112</p> <p>Weight : 2.5kg</p> <p>Custom Syringe : Yes</p> <p>Automatic Syringe } : Yes Detector }</p> <p>Display : LCD, LED Display</p>
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27	Digoxin infusion apparatus	<p>Pumping mechanism : Linear Peristaltic</p> <p>Drop Sensors : External</p> <p>Air in line Detector : Internal</p> <p>Display : LCD and 7 Segment LED Display</p> <p>Housing : ABS plastic</p> <p>Dimension : 140mm x 140mm x200mm</p> <p>Weight : 2.8 kg</p> <p>Mains voltage : 180-240 V AC, 50Hz</p> <p>Power consumption : 10 W</p> <p>Safety testing : IEC 601-01</p> <p>Safety features : Free flow protection Excess / Less Alarm Air in Line Protection Sensor Malfunction Protection</p> <p>I.V set ml conversion: Adult: I.V sets - 12 to 26 drop/ml in steps of 0.5 Micro: I.V sets - 50 to 85 drop/ml in steps of 1</p> <p>I.V set tubing : Accepts all Brand of I.V set</p> <p>Drop rate range : 1 to 150 drop/min for Adult 1 to 100 drop/min for Micro</p> <p>Volume rate range : 1 to 450 ml/hr for Adult 0.5 to 100 ml/hr for Micro</p> <p>Drop resolution : 1 drop/min</p> <p>Target Volume : 1 to 990ml</p>
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		<p>Target Volume steps : Adult:1 to 100ml Step 1 ml 100 to 990ml Step 10m Micro: 0.5 to 10ml Step 0.1ml 10 to 100ml Step 1ml 100 to 500ml Step 10ml</p> <p>Bolus Rate : Auto Bolus, Purge Bolus 10 to 300mL/Hr - Adult 10 to 100mL/Hr - Micro</p> <p>Bolus Volume : 0.1 to 50mL</p> <p>Elapsed time : 00.00 to 99.59 hr</p> <p>Keep vein open (KVO) : off to 3dr/min or 3ml/hr steps 1</p> <p>Battery operation : 4hrs @ 8 drop/min or 25 ml/hr (Auto Power Saving Mode)</p> <p>Battery charging period: 16 hrs automatic</p> <p>Battery type : Rechargeable Nicd, Built in & standard</p> <p>Alarm indication for : Target volume, Target time, Excess flow, Less flow, Air in line, Battery low, KVO</p> <p>Purge Flow : Flushing of IV tube possible</p> <p>User Programmable : 9 User Programmable Settings 3 Target Settings</p> <p>Menu Driven : Self Guided / Help Assisted Interactive Functions Self Diagnosis of Alarm Cause</p> <p>Flow rate resolution : Adult:1 to 100ml/hrStep 1ml/hr 100 to 450ml/hrStep 10ml/hr Micro:0.5 to 10ml/hr Step 0.1ml/hr 10 to 100ml/hr Step 1ml/hr</p>
28	MAGILL Forceps i) 15cm ii) 25cm	STAINLESS STEEL SURGICAL QUALITY SIZES :15cm, 25 cm
29**	Linear ultrasound probe esoate-mylab 20 compatible	<p>Technology: Wideband Electronic Linear Array</p> <ul style="list-style-type: none"> • Depth: 0 – 120 mm • Footprint: 50x8 mm • Operating Bandwidth: 4 - 13 MHz • B-M Modes Frequencies: 3 (7.5-10.0-12.0 MHz) • TEI Frequencies: 2 (Pen-Res) • CFM–PW Frequencies: 2 (5.0-6.6 MHz) • Steered angle: 7 steps

30	Woods Lamp	4 UV Tubes - Approx 5,000 hours 5 Diopter Magnifying Lens Color Chart Light Blocking Drape 96" Electric cord made of heavy rolled cable for stabilizing the current and extending the lifetime of the device Outside white frame made of plastic-metal composite material, not ABS plastic, for extending the heat resistant layer to avoid over heating after extended operation time
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