

AMENDMENT No –II dated 28.07.2014

Ref:Tender Enquiry No.: HSCC/PUR/AIIA/Medical Equipment/2014 dated 16/6/2014

Based on the bidders queries raised during pre- bid meeting held on 27.6.2014, all bidders are requested to note the following amendments in the aforesaid tender:

Section VII- Technical specification ITEM NO 1: Ventilator portable

Point No.	Existing Tender Specification	Amended/Read As:
Point 3.1	Should have turbine/venture/jet mixing-technology for supplying air-oxygen mixture.	Should have turbine/ventury/jetmixing/ pneumatic/Piston -technology for supplying air-oxygen mixture.
Point 3.4 (b)	PEEP/CPAP & PS	PEEP/CPAP – 0-40cm H2O PS- 0-60cm H2O
Point No. 3.4(e)	FiO2 : 20 – 100%	FiO2 : 21 – 100%
Point No. 7.2	Product should be US FDA/European CE.	Product should be US FDA & European CE.

ITEM NO 2: Paediatric Ventilator

Point No.	Existing Tender Specification	Amended/Read As:
Point 1	Microprocessor Controlled integrated suitable for neonate and child ventilation.	Microprocessor Controlled integrated suitable for neonate, infants and child ventilation.
Point 2	Should have not less than 10 inch colored TFT screen capable for the monitoring of the ventilation parameters, curves and loops .	Should have not less than 12 inch colored TFT screen for monitoring of the ventilation parameters, curves and loops to provide better view
Point 4a	Tidal Volume(2-250 ml)	Tidal Volume (2-200 ml)
Point 7i	High frequency ventilation (Optional)	Deleted
Point 8	Sensors should be automatically calibrated every time it is switched on	Reusable and autoclavable sensors should automatically go for calibration every time it is switched on
Point 7.2	Should be US FDA or CE approved product	Should be US FDA & CE approved product

Amendment no. II dated 28.07.2014
Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014
ITEM NO 3: ICU Ventilator

Point No.	Existing Tender Specification	Amended/Read As:
Point 1	Microprocessor Controlled ventilator with integrated facility for Ventilation monitoring suitable for New born to adult ventilation.	Microprocessor Controlled ventilator with integrated facility for Ventilation monitoring suitable for preterm , New born to adult ventilation.
Point 3	Coloured TFT screen, 12 Inch or more	Coloured Touch LCD/TFT screen, 12 Inch or more
Point No. 5	Trending facility for 72 hours with minimum 5 minutes resolution for recent 24 hours .	Trending facility for 24 hours with minimum 5 minutes resolution
Point 9(g)	Intrinsic PEEP and PEEPI Volume	Intrinsic PEEP and/or PEEPI Volume
Point 12	Expiratory block should be autoclavable and no routine calibration required and extraexpiratory valves for highly infectious patients – 20 nos	Two auto clavable expiratory blocks including flow sensor should be provided with each ventilator autoclavable and no routine calibration required
Point 13.a	Should have the ability to calculate / Procedure Intrinsic Peep & Intrinsic PEEP Volume	Should have the ability to calculate / Procedure Intrinsic Peep and/or Intrinsic PEEP Volume
Point No. 14	Nebuliser with capability to deliver particle size of < 3 micron & to be used in both Off and On line	Inbuilt/Online Nebuliser with capability to deliver particle size of < 3 micron
Point No. 17	<p>Medical Air Compressor (Optional)</p> <p>a) Imported stand alone Medical Air compressor</p> <p>b) Snap fit with the Ventilator module to provide an oil free Medical air .</p> <p>c) Peak output flow should be minimum 160 LPM. d) Air quality should comply with ISO compressed air purity class.</p> <p>e) Medical Air Compressor should automatically activate in the event of wall air supply loss.</p> <p>f) Replacement of internal filters should be performed without removing the compressor</p> <p>g) Should have washable air filter.</p> <p>1. Technical Specifications for reusable face mask & nasal mask. Reusable face & nasal mask with textured dual flap silicone cushion flap for easy fit. Removable forehead support and pad to match the angle of patient's Stability Selector for easy fit and angle. Ball & Socket headgear attachments. Should be autoclavable.</p>	Medical Air Compressor and ventilator should be from principle manufacturer. (optional Price should be quoted separately).

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

	2 sets of all sizes (Small, Medium, Large) with each machine.	
Point 7.2	Should be US FDA or CE approved product	Should be US FDA and CE approved product

ITEM NO 4: COMPLETE MONITORING SYSTEM FOR ICU

Point No.	Existing Tender Specification	Amended/Read As:
Point 3.1	Minimum 15 inches Multi colored TFT display screen	Minimum 15 inches Multi colored Touch screen LCD/TFT display screen
Point 3.2	Separate CPU/Module rack.	Separate CPU/Module rack/ New modular technology.
Point No. 3.4	Combination of single, dual and multiparameter modules.	Combination of single or dual or multiparameter modules.
Point No. 3.7	Facility to monitor and display - ECG, Respiration, NIBP, SpO2, CO2 with capnography, Temp, Cardiac output(optional), NMT(Optional), BIS/Entropy(optional), EEG (optional)& IBP.	Facility to monitor and display - ECG, Respiration, NIBP, SpO2, CO2 with capnography, Temp, Cardiac output(Optional-Price to be offered separately), NMT(Optional-Price to be offered separately), BIS/Entropy(Optional-Price to be offered separately), EEG (Optional-Price to be offered separately)& IBP- 3 Nos.
Point No. 3.10	NMT Module/monitor: For measurement and display of TOF count, TOF %, ST, DBS, Tetanic and Trend for continuous usage. Automatic measurement facility in selected time interval. Automatic selection of supramaximal current. Include standard accessories	NMT Module/monitor with provision: For measurement and display of TOF count, TOF %, ST, DBS, Tetanic and Trend for continuous usage. Automatic measurement facility in selected time interval. Automatic selection of supramaximal current. Include standard accessories (Optional-Price to be offered separately).
Point No. 3.11	EEG Module with all accessories.	Having Provision for EEG Module with all accessories. (Optional-Price to be offered separately)
Point No. 3.12	Central station for bedside monitors with independently controlled 17" multi colour TFT Monitor, complete with Ethernet LAN cabling, alarm management, 72 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc. (OPTIONAL)	Central station for bedside monitors with independently controlled 17" multi colour TFT Monitor, complete with Ethernet LAN cabling, alarm management, 72 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc.
Point No. 3.20b	Battery back up of upto 3 hours, when fully charged	Battery backup at least 2 hrs.
Point No. 3.23	Specifications for Transport Monitor: 2. Modular with 12 inches multi color TFT Display	Modular with 10 inches or more multi-color TFT Display with touch screen. (Quantity not mentioned proposed to be One)
Point No. 4.8	EEG Modules – with all accessories. Should display at least two channels.	EEG Modules – with all accessories. Should display at least two channels. (optional- Price to be offered separately)
Point No. 4.9	BIS/ Entropy Module: Adult Sensors-200 Numbers. Spectral analysis modules by compressed spectral array	BIS/ Entropy Module: Adult Sensors-200 Numbers. Spectral analysis modules by compressed spectral array (Optional-price to be offered separately)

ITEM NO 5: Blood Gas Analyser

Point No.	Existing Tender Specification	Amended/Read As:
Point 2	Essential Measured parameters; pH, pCO2, pO2, SaO2, tHb, Barometric Pressure, Na+, K+, Ca++, Cl-, BI urea and Sr Creatinine & Blood sugar. All	Essential Measured parameters; pH, pCO2, pO2, SaO2, tHb, Barometric Pressure, Na+, K+, Ca++, Cl-, Lactate, BUN and & Glucose . All these parameters should be measured

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

	these parameters should be measured simultaneously	simultaneously.
Point No. 3	Calculated parameters should include BE, BE ecf, HCO ₃ , Lactate , Anion Gap etc.	Calculated parameters should include BE, BE ecf, HCO ₃ , Anion Gap etc
Point No. 9	Data display on well-illuminated, adequate size LCD color touch screen display.	Data display on well-illuminated, adequate size screen display.

ITEM NO 6: Patient Warming System

Point No.	Existing Tender Specification	Amended/Read As:
Point 3		To be Added: Should be based on semiconductor/ carbon fiber polymer foil for precise warming of entire patient body during & after surgery
Point No. 4	Size Abdominal Segment: (40-45) cm x (85-90) cm Arm & Shoulder Section: (170-175) cm x (28-32) cm Leg Segment :(40-45) cm X (85-90) cm	size : all sizes for Adult & Paediatric patients
Point No. 5	Control unit should be capable of warming minimum four segments at a time.	Control unit should be capable of warming minimum two segments at a time.
Point No. 6	Control unit should have Color LCD touch screen for easy operation.	Control unit should display for easy operation.
Point No. 7	Control unit should have touch screen display to select & display temperature of all four segments at a time.	Control unit should have touch screen/Key pad display to select display temperature of all four segment at a time.
Point No. 9	Should offer precise digital temperature control with selectable temperature range of 36 to 42°C in steps of 0.1°C.	Should offer precise digital temperature control with selectable temperature range of 36 to 39°C or more in steps of 0.1°C.
Point No. 10	Arm cum shoulder segment should be divided in two sections capable of being switched ON or OFF independently depending upon the nature of surgery and condition of patient.	Deleted
Point No. 12	Should also have on screen graphical display of patient body temperature for the entire duration of surgery.	Should also have on screen graphical/ Digital display of patient body temperature for the entire duration of surgery.
Point No. 18	The control unit should be light weight not more than 3.6 kg, small in size (23 x 11 x 16.5 cm approx.) and easily attachable to IV rod/OT table with fixing claw.	The control unit should be light weight and small in size, easily attachable to IV rod/OT table with fixing claw.
Point No. 21		To be added : US FDA or European CE Certified

ITEM NO 10: Equipment Specifications for Analyzer, Ion Selective Electrolyte (ISE)

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 3.2	The machine should have reagent in single reagent pack for all the measurable parameters and the pack should be Bio Hazard free.	3.2 The machine should have reagent in single reagent pack for all the measurable parameters and the pack should be Bio Hazard free, Or Calibration/Washing reagents must be in a separate bottles/ bags instead of single sealed pack to avoid wastage of reagents

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

ITEM NO 13: Blood Bank Refrigerator

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 3.2	Capacity should accommodate 350 or more unit's blood and storage internal volume should be 700 liters.	Capacity should accommodate 350 or more unit's blood and storage internal volume should be 600 litres or more

ITEM NO 14: Deep Freezer – Vertical -40degreeC

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 3	System should be vertical standing and should have working volume of 450-600 liters.	System should be vertical standing and should have working volume of 400-600 liters.

ITEM NO 15: Deep Freezer – Vertical -80 degree C

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 1	Temperature range should be from -50°C to -86°C and adjustable with setting accuracy of $\pm 1^\circ\text{C}$.	Temperature range should be from -50°C to -81°C.
Point No. 3	System should be vertical standing and should have working volume of 450-600 liters.	System should be vertical standing and should have working volume of 400-600 liters.

ITEM NO 16: Micro plate Centrifuge

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 2	Maximum speed: 3,600 rpm.	Speed: 3,000 rpm or more.

ITEM NO 19: BLOOD DONOR COUCH

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 2.1.6	If a vasovagal attack occurs the Donor's head needs to be lowered immediately and his legs lifted above his heart level so that blood can flow back to the brain and other vital organs. Electronic remote controlled facility should be provided for this function	If a vasovagal attack occurs the Donor's head needs to be lowered immediately and his legs lifted above his heart level so that blood can flow back to the brain and other vital organs. Electronic remote controlled/ Manual Buttons to overcome facility should be provided for this function

ITEM NO 23: PLASMA THAWING BATH

Point No.	Existing Tender Specification	Amended/Read As:
Point 2.2	Digital, electronic bench top system is required with touch screen	Digital, electronic bench top system is required with LED display

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

operation & LED display	
-------------------------	--

ITEM NO 25: Micro Pipettes (Mechanical)

Point No.	Existing Tender Specification	Amended/Read As:
	EMD: 24,000 RS.	EMD(Rs.): 2,400

ITEM NO 26: MULTI-CHANNEL PIPETTE

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 7	Should have Ajustables volume range from 20-200ul	Should have adjustable volume range from 10 – 100 uL & 30 ul – 300uL – 2 each Should be supplied with 1000 disposal tips for all
	EMD: 30,000 RS.	EMD – Rs. 3,000/-

ITEM NO 30 & 43: (ULTRASONIC CLEANING SYSTEM- MULTI STAGE)

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 3.3	"The tank and chamber should be made of stainless steel".	The tank & chamber should be made of Stainless Steel 316 grade 16 s.w.g. sheet metal fabrication of high quality, round corners, buffed and polished surface. All joints are argon arc welded. Lid fabricated out of stainless steel sheet is provided on top of the tank
Point No. 7.4	"should be USFDA or CE or ISI approved."	Should be USFDA or CE approved.

ITEM NO 31: PREMIUM END TOP OF THE LIVE PORTABLE 2D-ECHOCARDIOGRAPHY COLOUR DOPPLER SYSTEM

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 5	System should have least 18,000 digital processed channels.	Deleted
Point No. 10	Should have maximum colour Doppler Frame rate of ≥ 250 Hz should have an on-board workstation for storage and review of all exams i.e.2D Doppler, Loops etc	Should have maximum colour Doppler Frame rate of 200 Hz should have an on-board workstation for storage and review of all exams i.e.2D Doppler, Loops etc
Point No. 12	Should have > 1 TB hard Disk capacity to store patient data into the hard drive	Should have large hard Disk capacity to store patient data into the hard drive.
Point No. 13	Should be able to transfer images and clips to CD and DVD Media.	Should be able to transfer images and clips to Drive/CD/DVD Media.

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

ITEM NO 40: MICROSCOPE WITH PHOTOGRAPHIC ATTACHMENT / DIGITAL CAMERA

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 1	Revolving Nosepiece: Interchangeable reversed quintuple/sextuple/septuple nosepiece	Revolving Nosepiece: Interchangeable reversed quintuple/sextuple/septuple nosepiece. Objectives: 10X, 40X and 100X
Point No. 2	Observation Tube: Wide Field Binocular, inclined 30°C Wide Field tilting binoculars 5°-35° Wide Field Trinocular, inclined 30° Wide Field ergo binocular, inclined 0°-25° Super wide field Trinocular, inclined 24°	Observation Tube: Wide Field Trinocular, inclined 30° Eyepieces :Wide field 5X, 10X and 15 X
Point No. 3	1) Condenser: Abbe (NA 1.1) for 4X-100X Swing out Achromatic(NA 0.9) for 1.25x-100x Achromatic Aplanatic (NA 1.4) for 10x -100x Phase contrast, dark field (NA 1.1) Universal(NA 1.4/0.9) for 2x-100x	Condenser: Abbe (NA 1.1) for 4X-100X

ITEM NO 42: AUTOCLAVE (FULLY AUTOMATIC, HORIZONTAL)

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 1	Horizontal rectangular high speed fully automatic steam sterilizer with capacity of 400-500 liters and dimensions of 600 – 700 X 600 – 700 X 1200 -1300 mm approximate. (or as per user demand).	Horizontal rectangular high speed fully automatic steam sterilizer with capacity of 400-500 liters
Point No. 4	Working on three phases for 440 Volts.	Working on three phases for 440 Volts, 50 Hz.
Point No. 5	Machine should be made of good quality stainless steel.	Machine should be made of good quality stainless steel like AISI 316L/304/316 Ti.
Point No. 6	Machine should be provided with fully automatic door made of stainless steel.	Machine should be made of good quality stainless steel like AISI 316L/304/316 Ti.
Point No. 9	Touch screen digital display at front panel to show the temperature of chamber, cycle number, batch number, time and date, alarm indicator, error code.	Touch screen/ Sensitive switches digital display at front panel to show the temperature of chamber, cycle number, batch number, time and date, alarm indicator, error code.
Point No. 12	The unit should be provided with microprocessor based control panel.	The unit should be provided with Dual microprocessor based control panel.
		Point to be added: The machine should be USFDA/ European CE

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

ITEM NO 58: Semi Automated ESR Analyzer

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 2.1	Semi-Automated ESR Analyzer for quantitative ESR by using of capillary blood with kinetic photometry principle should accept any size of sample tubes and works by using all kind of anticoagulant (EDTA).	semi-Automated ESR Analyzer for quantitative ESR by use of EDTA tube/capillary with kinetic photometry principle accept any size of sample tubes and works by using all kind of anticoagulant (EDTA).
	EMD – Rs. 6000/-	EMD – Rs. 10,000/-

ITEM NO 59: COGULATION Analyzer

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 3.3	4-8 positions for reagents (one with magnetic stirrer) and 2 pipette wells	2-4 positions for reagents (one with magnetic stirrer) and 2 pipette wells

ITEM NO 62: 5 part Haematology Analyser

Point No.	Existing Tender Specification	Amended/Read As:
	EMD – Rs. 10,000/-	EMD – Rs. 50,000/-

ITEM NO 63: Bed side multifunction monitors

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 3.1.3	Monitors should have at least 10 inch or more high resolution active matrix color display screen having resolution of 640 x 480 or better with at least 4 traces and numeric valves display facilities simultaneously. Ability to change color of trace by user is must.	Monitors should have at least 10 inch or more high resolution active matrix medical grade LCD/LED/TFT color display screen having resolution of 640 x 480 or better with at least 4 traces and numeric valves display facilities simultaneously. Ability to change color of trace by user.
Point No. 4.1	Options for upgrading to mainstream CO2 and two invasive BP monitoring facility for future should be quoted and this will be added for evaluation purposes only.	Deleted
Point No. 7.1	US- FDA or European CE approved	Monitor should be US FDA & European CE approved.

ITEM NO 64: ECG Machine- 12 Channels

Point No.	Existing Tender Specification	Amended/Read As:
Point 3.11	Should be able to be connected to HIS / LAN / Wireless LAN (OPTIONAL)	Deleted
Point 3.12	Should display ECG on LCD/TFT display of 640 x 480 pixel resolution.	Must display ECG on colour display.
Point 3.14	Multimode of ECG Storage capability on Floppy(min 2), 150 ECG on Internal. Flash Memory	Deleted
Point No. 7.1	Should be US FDA , CE,UL or BIS approved product	Product should be US FDA or European CE approved."

ITEM NO 65: ECG Machine		
Point No.	Existing Tender Specification	Amended/Read As:
Point No. 4	The unit should be lightweight and portable, capable of storing at least 100 or 200 electrocardiograms and allow for rapid transfer of this data to a computer through wireless or USB ports. DICOM/HL7 ready for data transfer to a HIS/PACS. Should be possible to collate ECGs based on data like ECGs with QRSd>120ms or QT >450ms.	The unit should be lightweight and portable, capable of storing at least 100 or 200 electrocardiograms and allow for rapid transfer of this data to a computer through wireless or USB ports or RS 232 serial ports.
	Printing should be possible on inbuilt thermal printer and also on an A-4 sized laser paper of standard makes. Thermal printer prints should last over 5 years when kept in normal conditions.	Printing should be possible on inbuilt thermal printer and also on an A-4 sized laser paper of standard makes through PC.

ITEM NO 66: NEONATAL OPEN CARE SYSTEM

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 1.1	Quartz heater based radiant warmer with integral bed used for clinical management of neonatal hypothermia. The equipment can be operated in servo or manual modes. Facility for halogen based phototherapy	Quartz /Calrod/Ceramic heater based radiant warmer with integral bed used for clinical management of neonatal hypothermia. The equipment can be operated in servo or manual modes. Facility for LED based phototherapy
Point No. 2.1	Units are provided to use the equipment in the labor ward, NICU or general nursery and battery back up to 20 minutes. Suitable UPS should be provided along with the machine for uninterrupted operation	Units are provided to use the equipment in the labor ward, NICU or general nursery. Suitable UPS should be provided along with the machine for uninterrupted operation
Point No. 3.1.1	Working temperature: Range 30 - 42deg C	Working temperature: Range 32 - 38deg C (use pre-settable)
Point No. 3.1.2	Accuracy: +/-0.2 deg C	Accuracy: +/-0.1 deg C
Point No. 3.1.8	Power: Less than 1 K.W.	Deleted
Point No. 3.1.9	Heating element: Quartz encapsulated heater with parabolic reflector	Heating element: Quartz / CALROD/Ceramic with parabolic reflector.
Point No. 3.1.12	Maximum mattress tilt: +80 (continuously variable) both side .Maximum mattress swivel on both sides of vertical column +45deg C	Deleted
Point No. 3.1.14	Observation lamp: Halogen based lamp focusable anywhere on the bed	Observation lamp: LED based lamp focusable anywhere on the bed
Point No. 3.1.115	Bed: Oval-suitable for preterms and LFD babies.	Bed: suitable for preterms and LFD babies.

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

Point No. 3.1.1	Integrated phototherapy / Halotherapy(optional): Should be placed on the both sides of overhead heaters bulbs on each side angled for effective treatment	Integrated phototherapy: Should be placed on the both sides of overhead heaters bulbs on each side angled for effective treatment
Point No. 7.1	Product should be US FDA or European CE approved."	Product should be US FDA and European CE approved."
Point No. 7.2	Manufacturer should be ISO certified for quality standards.	Manufacturer should be ISO 13485 certified for quality standards.

ITEM NO 67: PHOTOTHERAPY UNIT (NEONATAL PHOTOTHERAPY UNIT-LED)

Point No.	Existing Tender Specification	Amended/Read As:
	PHOTOTHERAPY UNIT (NEONATAL PHOTOTHERAPY UNIT – CFL)	PHOTOTHERAPY UNIT (NEONATAL PHOTOTHERAPY UNIT – LED)
Point No. 2.1	Should be Compact Florescent lamp (CFL) based Phototherapy unit used for clinical management of neonatal hyperbilirubinemia	Should be LED based Phototherapy unit used for clinical management of neonatal hyperbilirubinemia
Point No. 2.4	The unit should be mobile with 3 swivel castors of 2" diameter fixed to a T shaped base to be accommodated beneath trolley/bed with adjustable height.	Antistatic castors: 2 with breaks with easy transportation.
Point No. 3.1	Irradiance at 430-480nm effective to the baby at least 18mw/cm2/nm at 45 cm from the lamp.	Irradiance at 430-480nm effective to the baby 25mw/cm2/nm or more (should not exceed 65)
Point No. 3.2	Lamps: compact florescent lamps	Lamps: Light Emitting Diodes (LEDs)
Point No. 3.3	Height adjustable (app +/- 5 cm): 138cm(min)-190cm(max)	Height Adjustable from 1.2m to 1.50m (measured from bottom surface of enclosure to ground) 1. Light enclosure must be tiltable from horizontal to at least 30 degree 2. Tiltable from horizontal to at least 30 degree.
Point No. 4.3	4. System Configuration Accessories, spares and consumables iii) 100 bulbs should be supplied along with each unit.	4. System Configuration Accessories, spares and consumables iii) 25 LED should be supplied along with each unit.
Point No. 7.1	Should be US FDA,CE,UL or BIS approved product	US FDA and European CE
Point No. 7.6	The CMC should provide at least 100 CFL lamps every year per unit.	CMC should cover lamp (LED) replacement entire period of CMC.

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

ITEM NO 69: Radiant Warmer with Baby Bassinet

Point No.	Existing Tender Specification	Amended/Read As:
Heading	Radiant Warmer with Baby Bassinet	<p><u>Basinet</u></p> <ul style="list-style-type: none"> ➤ The Basinet should have tilting facility with ± 15 deg - 30 deg with locking ➤ Basinet surface made up of Polycarbonate (Transparent) with Mattress ➤ Mattress-padding: foam density approx. 21-25 kg /m³ ➤ Mattress cover : removable with zipper, waterproof, washable, resistant to cleaning with chlorine based solution and flame retardant (certificate of Flame retardant property must be submitted from the manufacturer of Mattress) ➤ Side boards transparent Polycarbonate, drop down and lockable. ➤ Under basinet 2 storage drawers of roller sliding type. ➤ Side rails with Platform allow for mounting of accessories and attachment for at least 2 Nos. Of Syringe pump. <p>Supplied with:</p> <ul style="list-style-type: none"> ➤ 1 x mattress ➤ 2 x skin temperature probe ➤ 1 x spare heating element ➤ 1 x spare set of fuses ➤ 2 x Observation lamps.
Point No. 3.1.4	It should rotate and swivel in different direction, so as to allow taking X-ray.	It should rotate and swivel in different direction, so as to allow taking X-ray and should have facility to place X-ray cassette.
Point No. 3.1.10	The equipment should be supplied with a suitable rating UPS.	It should have inbuilt or provided along with rechargeable battery to run equipment in case of power failure for at least ½ hour.
Point No. 3.1.11	Table surface with mattress with infant head/ shoulder support.	Deleted
Point No. 7.1	Product should be US FDA or European CE approved."	Product should be US FDA and European CE approved
Point No. 7.2	Manufacturer should be ISO certified for quality standards.	Manufacturer should be ISO 13485 and ISO 9001 certified for quality standards.

Amendment no. II dated 28.07.2014
Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014
ITEM NO 70: TRANSPORT INCUBATOR

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 7.1	Product should be US FDA or European CE approved."	Product should be US FDA and European CE approved."
	Point to be added :	To be Added : Ventilator – basic ventilator with integrated compressor at least CPAP and IMV modes with controls for CPAP/PEEP. PIP, rate. Ti and FiO2 Supplied with: <input checked="" type="checkbox"/> 5 x spare skin temperature probe. <input checked="" type="checkbox"/> 1 x spare rechargeable battery. <input checked="" type="checkbox"/> 2 x empty 10 L oxygen cylinders. <input checked="" type="checkbox"/> 2 x spare set of fuses. Slot for X-Ray cassette for taking X-rays without removing babies

ITEM NO 72: Pulse Oximeter

Existing Para :-

1.1 A pulse oximeter is a medical device that indirectly measures the amount of oxygen in a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photoplethysmograph

Read as :-

1.1 **Should be light weight convenient handheld device with a long battery life Should have three SpO2 sensitivity modes that would include normal and maximum Should be upgradeable to non invasive co-oximetry Should have rotational screen in the handheld - automatically changes to horizontal or vertical view Should provide 96 hours of trending with a 2 second resolution.**

Existing Para:-

3.1 Display- LCD, Backlight illuminated.

Read as:-

3.1 Display- LCD, Backlight illuminated **with Nellcor technology or equivalent.**

Existing Para:-

3.3 SPO2 range- 70-100 %.

Read as:-

3.3 SPO2 range- 1-100 %. **Resolution 1%**

Existing Para:-

3.5 Pulse rate range should be 30-240 bpm

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

Read as:-

3.5 Pulse rate range should be 25-240 bpm. **Resolution 1BPM**

Existing Para:-

3.10 Integrated Printer

Read as:-

3.10 Integrated Printer / External Printer

Existing Para:-

7.1 Should be US FDA , CE,UL or BIS approved product.

Read as:-

7.1 Product should be US FDA or European CE approved."

Added para –

1. Perfusion: 0.02% - 20%

2. Accuracy Levels Saturation Range 70% to 100% ±3 digits [No Motion], ±2 digits [Motion], ±3 digits [Motion Ped], ±2 digits [Low Perfusion], ±3 digits [Low Perfusion neo].

3. Pulse Rate 25 - 240bpm ±3 digits [No Motion], ±5 digits [Motion], ±3 digits [Low Perfusion]

ITEM NO 74: MOBILE AIR ASEPTICIZER

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 7.1	Should be US FDA , CE,UL or BIS approved product	System should be US FDA or European CE approved.

ITEM NO 78: Treadmill (T.M.T Jogger)

Point No.	Existing Tender Specification	Amended/Read As:
	Treadmill (T.M.T) Jogger	The treadmill used in Physiotherapy Department.

ITEM NO 79: Ultrasound Machine

Point No.	Existing Tender Specification	Amended/Read As:
-----------	-------------------------------	------------------

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

Point No. 4	The system should have a very high frame rate for B-mode & Colour mode. Maximum frame rate should be greater than 350 fps or more for B-mode & colour mode. Please specify the maximum frame rate in B-mode & M-mode.	The system should have a very high frame rate for B-mode & Colour mode. Maximum frame rate should be greater than 350 fps or more for B-mode
Point No. 7	The system should an integrated high resolution TFT/LCD of 15 inches or more with facility of tilt and swivel facility along with convenient grip.	The system should an integrated high resolution TFT/LCD of 17 inches or more with facility of tilt and swivel facility along with convenient grip.
Point No. 8	The system should have minimum three active universal ports & two parking ports. Active ports can be directly selectable from the control panel.	The system should have minimum three active universal ports & active ports can be directly selectable from the control panel.
Point No. 21	The system should have Compound Imaging and Contrast Harmonic Imaging.	The system should have Compound Imaging and Contrast Harmonic Imaging. (Please specific type of compound imaging offered)
		System should be US FDA and European CE approved.
		To be Added : Point no. 34 :Essential accessories: Black & White Thermal printer and color laser printer, Suitable UPS with one hour backup, Integrated trolley (To keep all Accessories) with transducer holder, jelly bottle holder and space for printer.

ITEM NO 80: Portable Ultrasound with Color Doppler System

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 6	All transducer should be lightweight digital phased array broadband type transducer with at least 1024 element	All transducer should be lightweight digital phased array broadband type transducer.
Point No. 21	Facility for storage through inbuilt CDR should be available.	Facility for storage through inbuilt CDR/Pen drive should be available.
		System should be US FDA and European CE approved.

ITEM NO 81: Digital Mobile X-Ray

Point No.	Existing Tender Specification	Amended/Read As:
Point 2.IV:	IV. Max Current : 400mA or more.	Max Current : 300mA or more
Point 2.VI:	"Shortest exposure time: Should be 4 ms or less".	Shortest exposure time: Should be 1 ms or less.
Point 4.I:	I. The Flat Panel detector should be of the size 14x17inch or more Detector scintelator should be CsI	I. The Flat Panel detector should be of the size 14x14 inch or more Detector scintelator should be CsI

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

Point 4.II:	"Detector should have DQE of 63% or more".	Detector should have DQE of 63% or more at 0.05 lp/mm
Point No. 4.4	Pixel size/pitch should be 160um or less.	175 um or less
Point No. 14	Quoted model should have US-FDA or European CE certified. And quoted model should have AERB type approval.	Quoted model should have US-FDA and European CE certified. And quoted model should have AERB type approval or NOC.
		Point to be added out of detector/tube/generator, at least 2 of these parts (if not all 3) should be manufactured by the same manufacturer, in both the cases, i.e. when the bidder is the manufacturer himself or the bidder is manufacturers authorized Indian agent. Bidders to provide manufacturer authorization (as per tender format) and undertaking for back to back warranty for all the three components.

ITEM NO 82: Whole Body Multi Slice CT scanner

Point No.	Existing Tender Specification	Amended/Read As:
5 Spiral /Helical Scanning Point No. 1	The system offered should have Spiral Capability of at least 100 seconds & above. Real Time Spiral @ 8 f/s should be standard.	The system offered should have Reconstruction Capability of at least 100 seconds & above. Real Time Spiral @ 8 f/s should be standard.
5 Spiral /Helical Scanning Point No. 5	Hi Resolution scan package of 0.63 mm or less should be offered as standard.	Deleted
5 Spiral /Helical Scanning Point No. 6	Multi Slice CT Fluroscopy with at least 3 Slice positions & Reconstruction @ 8 Images / Sec should be available large LCD monitor of 24 inch or more must also be there in Gantry room.	Multi Slice CT Fluroscopy with at least 3 Slice positions & Reconstruction @ 8 Images / Sec should be available large LCD monitor of 19 inch or more must also be there in Gantry room.

ITEM NO 84: OPERATION TABLE: HYDRAULIC (Imported)

Point No.	Existing Tender Specification	Amended/Read As:
	OPERATION TABLE: HYDRAULIC	OPERATION TABLE: HYDRAULIC (Imported)
		Point to be Added: The OT table should be imported.
Point No. 1.1	Hydraulic operating Tables are simple tables for performing surgical procedures and they work without electrical power.	" Electro- Hydraulic operating Tables are simple tables for performing surgical procedures and they work with and without electrical power."

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

Point No. 3.1 C	All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and antitrendelenburg, except foot and head section should be operated hydraulically.	All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, except foot and head section should be operated hydraulically and electro-hydraulically".
Point No. 3.2C	Back section adjustment: -15 degrees to 70 degrees	Back section adjustment: 40 degree (Down) to 70 degrees (Up).
Point No. 6.1	Should be US FDA , CE, UL or BIS approved product	US FDA or European CE approved product

ITEM NO 85: Operation Theatre Light: Mobile

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 3.2	Emergency Power Unit having in-built CVT with automatic change over from Mains to Battery mode in the event of power failure to provide 60 minutes back up.	Emergency Power Unit having in-built CVT with automatic change over from Mains to Battery mode in the event of power failure to provide 60 minutes battery back up/ online UPS.
Point No. 7.1	Should be US FDA, CE, UL or BIS approved product.	US FDA or European CE approved product

ITEM NO 86: Anaesthesia Work Station

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 1	Anesthesia machine constructed from welded tubular / epoxy powder painted steel. Stainless steel top and 1 no. lockable drawers and electrical outlet to be provided.	Anesthesia machine constructed from Anti corrosive material, should have top shelf, lockable drawers and electrical outlets
Point No. 4	Having reservoir based audible oxygen failure alarm of at least 7 seconds	Should have Audio Visual Oxygen failure Alarm.
Point No. 14	The ventilator should have bellows and be integrally mounted to absorber system. No change of bellows should be required for different patients.	The ventilator should have Piston or bellows and be integrally mounted to absorber system. No change of bellows should be required for different patients.
Point No. 15	Should have large LCD display of atleast 10" for patient data like, TV, MV frequency O2 conc., P Mix. P Mean and air way bar graph along with set data simultaneously Pressure vol/flow vs time waveform should be present.	Should have large display of atleast 8" for patient data like, TV, MV, frequency, O conc., P Max. P Mean along with set data simultaneously Pressure vs time waveform should be present.

Amendment no. II dated 28.07.2014

Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

Point No. 16	The display screen should be mounted in alarm for easy viewing.	The Display Screen should be mounted Integrally/ in arm for easy viewing.
---------------------	---	--

ITEM NO 87: DEFIBRILLATOR WITH MONITOR

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 2.4	Should work on Manual and Automated external defibrillation (AED) mode. Manual selection maximum upto 360 J.	Should work on Manual and Automated external defibrillation (AED) mode. Manual selection maximum up to 200 J.
Point No. 3.2	Should monitor ECG through paddles, pads and monitoring electrodes and Defibrillate through pads and paddles. Should have Automatic Lead switching to see patient ECG through paddles or leads	Should monitor ECG through paddles, pads and monitoring electrodes and Defibrillate through pads and paddles. Should have Automatic or Manual Lead switching to see patient ECG through paddles or leads
Point No. 7.1	USFDA/European CE approved	USFDA Only As it is critical care equipment

ITEM NO 88: Diathermy

Point No.	Existing Tender Specification	Amended/Read As:
Point No. 4(d)	Reusable and single use neutral electrode for adults and children along with cable for neutral electrode and fixation device wherever required,	Reusable and single use neutral electrode for adults and children along with cable for neutral electrode and fixation device wherever required, To quote set of standard accessories with quantity which is supplied with Diathermy
Point No. 4(e)	Sterilizable and disposable electrode handle with and without finger switch with cable for electrode handle,	Sterilizable and disposable electrode handle with and without finger switch with cable for electrode handle, To quote set of standard accessories with quantity which is supplied with Diathermy
Point No. 4(f)	set of electrodes (long and short) with electrode container with holder,	set of electrodes (long and short) with electrode container with holder, To quote set of standard accessories with quantity which is supplied with Diathermy
Point No. 4(g)	tip cleaner,	tip cleaner, To quote set of standard accessories with quantity which is supplied with Diathermy
Point No. 4(h)	bipolar forceps with cable,	bipolar forceps with cable, To quote set of standard accessories with quantity which is supplied with Diathermy
Point No. 4(i)	cable for connecting to standard mono polar and bipolar laparoscopic instruments,	cable for connecting to standard mono polar and bipolar laparoscopic instruments, To quote set of standard accessories with quantity which is supplied with Diathermy
Point No. 4(j)	dedicated instruments for open and laparoscopic monopolar and bipolar use.	dedicated instruments for open and laparoscopic monopolar and bipolar use. To quote set of standard accessories with quantity which is supplied with Diathermy
Point No. 7.1	Should be US FDA , CE, UL or BIS approved product.	US FDA as it a critical equipment

Note: The reply to the bidder queries for item no. 55 (Operating Microscope) and item no. 83 (Bone Densitometer) will be uploading on the website shortly.

Section IX- Qualification Criteria

Existing Clause:

1. The Tenderer must be a Manufacturer. In case the manufacturer does not quote they shall give reasons for not quoting directly. They may authorise their agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
- 2(a) The Manufacturer should have supplied and installed in last Five years from the date of Tender Opening, atleast 100% of the quoted quantity of the similar equipment meeting major specification parameters which is functioning satisfactorily. The foreign Manufacturer satisfying the above criteria should also have supplied and installed in last Five years from the date of Tender Opening, at least 50% of quoted quantity of similar model which is functioning satisfactorily any where outside the country of manufacture.
- 02.(b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 02 (a) should have supplied and installed in last Five years from the date of Tender Opening, atleast 50% of the quoted quantity of similar equipments which is functioning satisfactorily, any where in India of any manufacturer.

Read as:

1. The Tenderer shall be a Manufacturer or its authorised agent.

*2(a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, atleast **50%** of the quoted quantity (subject to minimum 1 nos.) of the similar equipment meeting major specification parameters which is functioning satisfactorily. The foreign Manufacturer satisfying the above criteria should also have supplied and installed in last **Five** years from the date of Tender Opening, at least 50% of quoted quantity (subject to minimum 1 nos.) of similar model which is functioning satisfactorily any where outside the country of manufacture.*

*02.(b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 02 (a) should have supplied and installed in last **Five** years from the date of Tender Opening, atleast **25%** of the quoted quantity (subject to minimum 1nos.) of similar equipments which is functioning satisfactorily, any where in India of any manufacturer.*

Under GIT clause 21, all bidders are also requested to note the following;

- Envelop I** : Sealed in Original Bid Security and Tender Document fee.
Envelop II : (i) Envelop II A Sealed in original Techno-commercial bid (Part I- Commercial bid and Part- II Technical bid).
(ii) Envelop II B sealed one copies of techno commercial bid.
Envelop III : Sealed in original Priced Bid and sealed copies of Price bid.

These above envelopes I, II & III shall be further sealed in **one outer envelope** super scribing "Bid item no. " and Tender No. and due date, Bidding Document Number.

Amendment no. II dated 28.07.2014
Tender Enquiry No.: HSCC/PUR/AIIA/MEDICAL EQUIPMENT/2014 dated 16.06.2014

Sr. no.	Description	Revised Schedule
i.	Last dates and time of sale of tender enquiry documents.	13.08.2014, 10:00 hrs to 17:30 hrs IST
ii.	Last date and time for submission of bid.	14.08.2014, 12:00 hrs IST
iii	Time and date of opening of Techno – Commercial bids.	14.08.2014, 12:30 hrs IST

All other terms and conditions of the tender enquiry document shall remain unchanged.

Prospective bidders are advised to regularly visit HSCC website/ CPP as corrigendum /amendments etc. if any, will be notified on this portal only, no separate advertisement will published in the news papers.

s/d
Director ,AIIA