

AMENDMENT NO.1 Dated 06.03.2017

Ref EOI No: HLL/MKTG/SD/2016-17/07 Dt: 28.02.2017

The following amendments have been incorporated to the bid document for the above EOI Manufacture & Supply of Blood Bank & Dental Equipments, Neonatal Equipments and Hospital Furniture & Equipments in HLL's brand name under rate contract for 24 months.

1. Notice Inviting Expression of Interest for Manufacture & Supply of Blood Bank & Dental Equipments, Neonatal Equipments and Hospital Furniture & Equipments

FOR

New clause has been added in

4. TERMS AND CONDITIONS

MAY BE READ AS

4. TERMS AND CONDITIONS

Clause j) "If HLL is eligible to participate in any tender floated by various central and state government institution / or agencies during the validity period of rate contract, manufacturer will refrain from participating in such tenders or will participate in such tenders or will participate in such tenders based on specific consent from HLL."

2. Section –I, TECHNICAL SPECIFICATIONS New Products added

HICARE OEM TECHNICAL SPECIFICATION

1. FINGER TIP PULSE OXYMETER

SPECIFICATIONS:
It should made up of hazardous-free materials. Accurate in the widest range of patients and clinical settings, including dark skin and low perfusion. Tested in motion. Finger pulse oxymeters fit pediatric to adults.
Dependable Oxygen Level and Pulse Rate measurements
LCD screen display SpO2, PR, and SpO2 waveform
Small & lightweight design
Low power consumption
Auto shut-off with no signal for 5 seconds
Build-in memory, with PC software analyzing
Suitable for adult, pediatric and neonate
Preferably FDA/CE/BIS approved. Manufacturer should have ISO certification.

2. Pulse oximeter, Bedside

SPECIFICATIONS:
Compact portable bedside pulse oximeter with LCD/LED/TFT display.
Continuous monitoring of SpO2 (arterial blood oxygen saturation), pulse rate and signal strength
Accurate in the widest range of patients and clinical settings, including dark skin and low perfusion. Tested in motion. Pulse oxymeters fit to Adults, Pediatric & Neonate.
Dependable Oxygen Level and Pulse Rate measurements

LCD screen display SpO2, PR, and SpO2 waveform
Measuring range: SpO2: 30 to 100 %, minimal graduation 1%. Pulse rate: 20 to 250 bpm, minimal graduation 1 bpm. Accuracy SpO2: 50 to 69% ($\pm 3\%$), 70 to 100% ($\pm 2\%$). Display shows SpO2(%), HR(bpm) and signal strength bar Large display readable from distance, display covers durable plastic.
User preset of high/low alarms on SpO2 and pulse rate monitoring.
Audio visual alarm for SpO2 and pulse rate in case measurements are outside preset range.
Silencing feature for audio alarm.
Display reports system errors, probe failure and built-in battery status.
Automatic switch from mains to batteries in case of power failure
Power requirements: 220 V/50 Hz and internal re-chargeable battery (approx 6 hrs, automatic recharge).
Power consumption: 50 W.
Device is produced by ISO Certified manufacturer.
Device is safety certified according CE, FDA or equivalent.
Supplied with Standard Accessories: 1 x Reusable SpO2 sensors(Probe) Neonate, wrap around type (including connection cable) 1 x Reusable SpO2 sensors (Probe) Pediatric, clip-on type (including connection cable) 1 x Reusable SpO2 sensors (probe) Adult, Clip on type (including connection cable)

3. Multipara Monitor with Vital Sign, NIBP, HR, ECG,RR and Temperature, etc.,

SPECIFICATIONS:
Compact portable bedside multiparameter monitor with LCD/LED/TFT display. Screen should be approx. 10.4" colour display.
Continuous monitoring of all parameter from (arterial), Digital Multipara monitor should monitor for vital signs suitable for Adult, Pediatric and Neonate.
It should have simultaneous monitoring of all the vital sign with some data recording.
Should have alphanumeric or feather touch keypad or touch screen.
For NIBP Composed of disposable or cloth cuff with inflatable bag quick-connected via tube to main unit
Disposable or cloth is washable, strong and reinforced at both ends
Tube length approx 60 cm or more.
Strip of Velcro fastening; length can be adjusted to fit around neonate upper arm
Measuring range: up to 300 mmHg
Minimum graduation: 1 mmHg
Accuracy: $\pm 5\%$
Large LCD display readable in low light working situations, display cover durable plastic
Displays reports: systolic, diastolic and mean pressure and heart rate
Power consumption: 30 W
Should have provision for external printer connection
Should work on power line as well as battery
Light weight design for portability
High performance Li-ion rechargeable battery
Battery capacity: 2 hours of normal use
It should work on 210/270 volts 50/60Hz, Single phase
Supplied with Powder card, 3pin molded plug
Device is produced by ISO, Manufacturer should have a CE marked product.

Monitor should be Supplied with:

- 25 x Supplied with disposable ECG electrode
- 1 x Reusable SpO2 sensors Adult, Pediatric and clip-on type (including connection cable)
- 1 x Reusable SpO2 sensors Pediatric and clip-on type (including connection cable)
- 1 x Reusable SpO2 sensors for neonate, wrap around type (including connection cable).

4. ECG Machine, 3 Channel, Portable

SPECIFICATIONS:
3Channel ECG Machine with Display
Should be reputed brand and make
It should have simultaneous 3 Channel ECG recording
Should have alphanumeric or feather touch keypad
High resolution LCD screen
Built-in ECG Parameters measurement and interpretation
Digital filtering to remove interference from power line, muscle tremor etc., with automatic base line correction
Multiple print formats from integrated 3 channel thermal printer
Should have provision for external printer connection
Should work on power line as well as battery
Light weight design for portability
High performance Li-ion rechargeable battery
Battery capacity: 4 hours of normal use
It should work on 210/270 volts 50/60Hz, Single phase
Device is produced by ISO Certified manufacturer
Manufacturer should have a CE marked product
Machine should be Supplied with:
1 x one bottle ECG gel
1 x set of bulb
1 x spare set of fuses
Supplied with Powder card, 3pin molded plug

5. Digital BP Operator for Adult and Neonate

SPECIFICATIONS:
Digital electronic sphygmomanometer suitable for neonate
Composed of cloth cuff with inflatable bag quick-connected via tube to main unit
Cloth is washable, strong and reinforced at both ends
Tube length approx 60 cm
Strip of Velcro fastening; length can be adjusted to fit around neonate upper arm
Measuring range: up to 300 mmHg
Minimum graduation: 1 mmHg
Accuracy: +/- 5%
Large LCD display readable in low light working situations, display cover durable plastic
Displays reports: systolic, diastolic and mean pressure and heart rate
Power requirements: 220 V/50 Hz (with adapter), internal re-chargeable batteries or replaceable batteries (autonomy approx 6 hrs, automatic recharge)
Power consumption: 30 W
Device is produced by ISO Certified manufacturer.
Device is safety certified according CE, FDA or equivalent.

6. Laryngoscope (Neonatal, Pediatric & Adult)

SPECIFICATIONS:
Laryngoscope set with neonate blades
Constituted of large hollow, cylindrical, slightly ribbed handle and a set of depressors in stainless steel
Handle is made of either chromium-plated or stainless steel and can be opened at an extremity to insert two alkaline batteries (LR14, size C, 1.5 Volts). The other end has a stud contact which fits the various sizes and types of depressors.
2 x curved depressors, Macintosh type No. 1, approx 68 mm length with halogen bulb
2 x straight depressors, Miller type No. 0, approx 53 mm length with halogen bulb
Presented in suitable protective plastic box.
Device is produced by ISO Certified manufacturer.
Device is safety certified according CE, FDA or equivalent.
Supplied with:
2 x spare halogen bulbs (1 for each depressor)
1 x Set of all size of blades should be supplied with the hand set.

7. Oxygen Concentrator double outlet

SPECIFICATIONS:
Oxygen concentrator to provide oxygen from ambient air
Oxygen concentration measured at the flow meter by oxygen sensing device (OSD)
Sound level <15 dB
Superior grade of molecular sieve
Maintenance free rotary proppet valve.
Oxygen purity, approx: 90%
Oxygen output, approx: 0 - 5 LPM
Pressure, approx: 8 psi
Double outlet or flowsplitter for oxygen Delivery
Oxygen tube of 2 m length must be provided with
Facility for nebulization with tube & mask
With two humidifier bottles and two cabinet filters
Power requirements: 220 V/50 Hz
Power consumption: 450 W
Device is produced by ISO Certified manufacturer
Device is safety certified according CE, FDA or equivalent
Supplied with:
1 x spare set of tubing
1 x spare set of internal and external filters (bacterial)
User manual with trouble shooting guidance, in English

8. Nebulizer

SPECIFICATIONS:	
This equipment sprays liquid medication to fog panel by compressing air, and forms tiny particles, which flow into the throat through imbibing tube. It adopts low noise, oil-free-high-efficiency valve with no need for daily lubrication forms. It is an ideal product for family and medical unit's use.	
Technical Data	
Maximum compressor pressure : $\geq 0.15\text{Mpa}$	Carton packing : 10pc
Compressor free air flow : $\geq 10\text{L/min}$	Carton dimension : 63x31.5x39cm
Maximum nebulization rate : $\geq 0.20\text{ml/min}$	GW. : 17kg
Sound level : $\geq 65\text{db(A)}$	N.W. : 16kg
Power	AC220V/50Hz
Current	0.8A
Medication Capacity	5ml
Particle Size	0.5to10m
MMAD	4 m
Sound Level	Around60HBA
Maximum Medication Capacity	13m(cc)
Average Nebulization Rate	Min0.2ml/min
Compressor Pressure Range	30to36 Pal (210 to 250Kpa/2.1to2.5bar)
Operating Pressure Range	8to16Psi (50to100Kpa/0.5to 1.0bar)
Liter Flow Range	6-8 lpm
Operating Pressure Range	10°C to 40°C , (50°F TO 104°F)
Operating Humidity Range	10 to 95% RH
Storage Temperature Range	-20°C to 70°C , (-4°F to 158°F)
Dimension (L X W X H)	300X180X115mm (11.8"x7.1"x4.5")
Weight	4.5 Lba (2.1Kg)
Standard Accessories	Nebuliser, Air Tube, Mouthpiece, Filters (5pcs), Mask.

9. Ambu bag (Neonatal, Pediatric)

SPECIFICATIONS:
Resuscitator for manual ventilation of Neonates, Pediatric.
Ventilation can be done with ambient air or with oxygen
Resuscitator can be totally disassembled, is easy to clean, disinfect and sterilize
All parts can be autoclaved at 120°C (except O2 reserve bag)
Manufactured from durable high-strength synthetic not requiring special maintenance or storage
Resuscitator is supplied as a complete set in a box
Compressible self-refilling ventilation bag, capacity, approx. 500 ml
With non-re breathing patient valve with pressure limitation
Intake valve with nipple for O2 tubing
O2 reserve bag complete, capacity approx.: 2000 ml.
2 Nos of cushioned mask for Neonate, Pediatric size masks, translucent of each (Size "0", & 1, approx: 50 mm).
Device is produced by ISO certified manufacturer.
Device is safety certified according CE, FDA or equivalent.

10. Binocular microscope

SPECIFICATIONS:
Body: Should be inter changeable identified binocular body 360° rotatable head
Eye pieces should be high quality 10x wide angle anti fungus field eye piece
Objectives: Par focal anti fungus coated 4x 10x 40 and 100x (full immersion) with plan automatic correction
Optical system should be achromatic objectives
Stage: Horizontal mechanical stages preferable 140,440mm with fine vernier graduations
Design with convenient coaxial adjustment for slide manipulation preferably Through 30x70mm.
Substage: Abbe condenser focusable continuously variable iris diaphragm
Rectangular stable base electronic built in illumination by 6V-20W halogen lamp with variolite transformer
Fine focussing mechanism on ball bearing guide ways.
Illuminator with illumination
Finish: A durable textured acid resistant finished.
Device is produced by ISO certified manufacturer.
Device is safety certified according CE, FDA or equivalent.

11. Electrical Syringe needle destroyer

SPECIFICATIONS:
Body: Should be powder coated finish with SS plate at burner and cutting point.
Two slot easy operation for destroying Needle & Syringe.
Needle burns electrically and syringe cuts manually.
Cuts the syringe within seconds.
Low power consumption
Can destroyer disposable syringe & needle 18G to 28G
Collection receptacle to collect the waste
Provision of On/Off switch with pilot lamp
Shock proof-Main circuit breaker is provided
Portable, compact, handy
High quality plastic material used for better finish.
It should work at 100 W or 60 W
Device is produced by ISO certified manufacturer.
Device is safety certified according CE, FDA or equivalent.

12. Hub Cutter needle destroyer manual

SPECIFICATIONS:
1. Material used will have
The cutting blade of the cutter will be made of stainless steel.
The thickness of the blade will not be less than 0.5 mm with one side sharpens to cut minimum of 5,000 cuts.
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 two Years (IS 277 of 2003 – galvanized steel sheet specification).
The spring if used in the hub cutter will be made of steel wire for mechanical spring (oil harden and tempered steel wire)

The sharp container should be made of Polypropylene (PP) of not less than 4 mm thick and should be white/translucent. The material should be autoclavable plastics, puncture resistant, high drop impact strength, material should be non-toxic and pyrogen free, the material will not wear out with normal usage.
2. 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. The container containing the cut hub along with needle of various sizes will be $\frac{3}{4}$ full when filled with 200 cut hub with needles.
3. Capacity range: Able to destroy from hub of AD syringe with needles from 18-28 gauge diameter and from 10-25 mm length and fitted with all types of needle fittings, eg, fixed luer lock, luer ship of snap-on
4. Resistance to piecing: Container shall accept 200 cut needles along with the hub when it is $\frac{3}{4}$ th full (filling line). Needles shall not penetrate container walls when filled up to the filling line. The average of forces needed to penetrate samples shall be not less than 15 N.
5. Tamper-proofing: When contaminated needles are being dropped into the containers, it shall remain sufficiently sealed so as to prevent a hand from entering. Needle should not protrude from the container when the box contains 200 needles with hub.
6. Capacity of the container: have sufficient capacity to hold 200, 18-28-gauge, 10-25 mm long needles with hub.
7. Colour: The container shall be translucent white in color and will allow visual inspection from outer surface to determine when the container is full
8. Technique: The device shall be designed to facilitate the location and entry of the needles so that the AD syringe is cut from hub by having:
9. Handling: Able to be carried in one hand and portable.
10. Durability: The performance and safety of the device shall not be compromised by Exposure to ambient conditions of +43C, 90% relative humidity for one week
Device is produced by ISO certified manufacturer.

13. Digital Hemoglobin meter

SPECIFICATIONS:
It should give accurate quick detection of Blood Hb.
Should be indispensable bench top
Should hold the test tube containing the samples test
It should give the value from 1.0ml of blood.
Measuring range should be from 0 - 30g/dl Hb
It should give the readings in digital display.
Work with square cuvettes, round cuvettes
It should have auto adjustment or calibration is not needed and ensures to provide results within 15 seconds.
Should work on 90-240VAC 50/60Hz in single phase
Device is produced by ISO certified manufacturer
Device is safety certified according CE or equivalent