AMENDMENT No –IV Dated 19/9/2014

Sub.: Procurement of Medical Equipment for NEIAH, Shillong.

Ref: Tender Enquiry No.: HSCC/PUR/NEIAH/Medical Equipment/2014 dated 11.8.2014

Based on the bidders queries raised during pre- bid meeting held on 29.8.2014, all bidders are requested to note the following amendments in the aforesaid tender:

Sl. No.	Description	Revised Schedule
i.	Last date and sale of tender enquiry documents	09.10.2014 up to 1.00 P.M
ii.	Closing date & time for receipt of tender	09.10.2014, 2.00 P.M.
iii.	Time and date of Opening of Techno – Commercial Tenders	09.10.2014, 2.30 P.M.

Amended/Revised EquipmentEstimated Cost, their EMD & Quantity of the following equipment is as under:

Schedule/Item No.	Name of Equipment/Item	Qty.	Depart-wise Distrubution	EMD (Rs.)	Estimated Cost (Rs.)
1	Digital X-Ray Machine	1	1 each for Ayurveda & Homeopathy – Diagnostic	3,00,000.00	1,50,00,000.00
			1 for Physiology Lab. (Ayurveda)		
12	**Video Colonoscope Complete Set**	2	For Ayurveda OT	60,000.00	30,00,000.00
15	Spirometer	**3**	1 each for Ayurveda & Homeopathy Physiology Lab & Ayurveda Pathology Lab.	24,000.00	**1,200,000.00**
18	Automatic Cell Counter 5 part with Automatic	**2**	1 each for Homeopathy – Deptt. of Physiology & Ayurveda	100,000.00	5,000,000.00

	Reticulocyte Count		Patholgy Lab		
23	**Battery operated Drill & Saw System for Orthopaedics**	2 each	1 each for Ayurvedic & Homeopathy OT	60,000.00	30,00,000.00
27	Colorimeter (photo electric)	**4**	1 for Ayurveda Physiology Lab. + 2 for Homeopathy Physiology Lab+ 1 for Ayurveda Pathology Lab.	16,000.00	8,00,000.00
29	Dissecting Microscope	**22**	2 For Homeopathy Phramacy + 10 for Ayurveda Dravyaguna Lab + 10 for Ayurveda Anatomy Lab	88,000.00	44,00,000.00
30	Binocular Microscope (Medical/Student Type)	**45**	25 for Homeopathy Anatomy + 20 for Ayurveda Patholgy Lab + 20 for Physiology Lab	45,000.00	22,50,000.00
32	Monocular Microscope with Oil Immersion	**47**	1 for Ayurveda Physiology Lab. + 1 for Ayurveda Path. Lab.+25 Physiology Department + 20 for Ayurveda Physiology Department	23,500.00	1175000
33	PAN Endoscopy Surgical Instruments	Set		40,000.00	20,00,000.00
36	Droni	7	Panchakarma Package for Ayurveda. All items must be quoted.	36,000.00	18,00,000.00
	Steam bath Chambers	4			
	Avagahasweda tub	2			
	Sirovasti cap	2			
	Vamanpeetha	2			
	Nadiswedayantra	2			
	Dhara Stand	2			
	Dharapatra	2			

Original Tender Clause GIT 21.5

The tenderer is to seal the original and each copy of the tender in separate envelopes, duly marking the same as **"Original", "Duplicate", "Triplicate"** and so on and writing the address of the purchaser and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before _____ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its mispLakhsement, premature opening, late opening etc

Amended As:

The tenderer is to seal the original and each copy of the tender in separate envelopes, duly marking the same as **"Original", "Duplicate"** and so on and writing the address of the purchaser and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before _____ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its mispLakhsement, premature opening, late opening etc

Original Tender Clause Section -1 (pg-6)

Interested tenderers may obtain further information about this requirement from the above office selling the documents. Tender Enquiry Documents may be purchased on one time payment of non-refundable fee of **INR 1,000/- per set** in the form of **Cash, Account Payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque**, drawn on a scheduled Bank in India, in favour of **"HSCC (India) Ltd"** payable at New Delhi/Noida**.**

Amended As:

Interested tenderers may obtain further information about this requirement from the above office selling the documents. Tender Enquiry Documents may be purchased on **one time payment** of non-refundable fee of **INR 1,000/-** in the form of **Cash, Account Payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque**, drawn on a scheduled Bank in India, in favour of **"HSCC (India) Ltd"** payable at New Delhi/Noida**. Bidder can quote any number of items on payment of INR 1000/- as tender fee.**

ITEM NO 1: Digital X-Ray Machine (1000 MA)

Revised Specification:

SPECIFICATION FOR 1000 mA X-RAY UNIT WITH DIGITAL FLAT PANEL DETECTOR (1no.)

A High powered X-Ray Unit for general radiography with digital flat panel technology. The system should be capable of both erect and supine radiological examinations. The unit should be completely integrated with the following specifications. **Any two components out of three (X-Ray tube, X-ray Generator and Flat panel detectors) should be from the same manufacturer of the main (Complete) system**

1. **The unit should comprise of the following:**

I. Two Flat Panel Detectors, one for Bucky Table and one for stand
II. Generator
III. X-Ray Tube and Collimator
IV. Ceiling suspended 3D Column Stand

2. **Flat Panel Detector:**

I. Flat Panel Detector size of at least 40 x 40 cm or more
II. Detector Panel should be made of amorphous Silicon **with CsI or Gadox.**
III. Image matrix size at least 2000 x 2000 or more
IV. Minimum pixel should be 200 micron or less
V. Grey scale of 12 bit.
VI. A/D of 14 bit or better.
VII. Tube assembly movement to be automatically synchronized with the detector movement.
VIII. Preview time after exposure **7** sec or less
IX. Image processing time should not be more than 9 sec.
X. DQE at 0lp/mm should be at least 65% or more.

3. Generator

I. **X-ray generator should be of microprocessor controlled high frequency (mention the frequency) type with** latest technology having constant output with low ripple frequency.
II. Output 80 KW or more.
III. KVP range 40 kV - 150 kV with 1 kV steps.
IV. Output 1000mA or more at 80 KV or better.
V. KV/MA output specifications.
a. 1000 mA at 80 kv.
b. 800 mA at 100 kv.
VI. Minimum exposure time, should be 1 ms or less.
VII. It should have automatic exposure control (AEC) device
VIII. It should have digital display of KVP and mAs.
IX. Anatomical programming radiography should be possible
X. It should have over loading protection

4. **X-Ray Tube**

I. The X-Ray Tube should be rotating anode high speed (8000 rpm or more)compatible with the generator and must have dual focus.

II. Focal spots of the following sizes:
a. Large Focus: 1.2mm or less
b. Small Focus: 0.6mm or less
III. Please mention tube loading for small focus and large focus, should be atleast **30KW or more** for small focus and at least 80KW for large focus
IV. Tube with Anode heat storage capacity of 300kHU or more
V. Tube protection against overload
VI. Target angle should be at least 12 deg
VII. A high speed rotor accelerator (starter).
VIII. Please specify tube rotation at vertical axis and horizontal axis.
5. **Celing suspension**
I. Ceiling suspended3D Column stand with facility of automatic positioning and Synchronization
II. Movement in all direction should be easily possible
III. It should have auto-tracking and auto-positions functions
IV. Monitoring of all the position data on color touch screen for system control (kV, mAs, SID, tube angle, column angle)
V. SID (Source to Image Distance) in vertical positions150 cm or more, in horizontal position 180 cm or more.
6. **X-Ray Table**
I. Free floating Carbon fiber or equivalent table top table with low attenuation.
II. Anti collision control system.
III. Table should support patient weight of 200 kg. or more.
IV. Auto-tracking capability without mechanical link.
7. **Vertical Bucky stand (well Stand)**
I. Motorized, counter balanced adjustable height vertical Bucky for the digital flat panel detector
II. Detector movement should be synchronized (auto-tracking) with movement of X-Ray Tube III. Bucky should have a grid ratio 10:1 or more.
8. **Filter & Collimator**
I. Inherent filtration of at least 1.00mm Al.
II. Square collimation: manual 85 motorized, should be controllable by organ programming.
III. Full field light localizer:
IV. Rotation of +/- 45 deg or more.
V. Display of collimation, filter 86 SID.
9. **Operating (Acquisition) Station**
I. Should have a high resolution TFT / LCD Monitor of minimum 19 inch size or more fully flat with minimum 1024 x 1024 or more display matrix and anti reflective front screen
II. Please specify Image matrix size.
III. Operating console should have a facility for patient identity entry, viewing and processing images, documentation etc.
IV. Preview image should be ready in minimum time.
V. System should have auto protocol select
VI. System should have latest processor with 4GB or more RAM and 2TB or more storage capacity
10. **Image viewing, post processing, reporting and documentation station**
I. It should have latest operating system.

II. High resolution TFT / LCD monitor of minimum 19-inch size or more.
III. Image display should be of high resolution.
IV. High luminance display for diagnostic image viewing.
V. Post -acquisition image processing, viewing, reprocessing, hard copy documentation and onwards transmission should be possible.
VI. Image processing functions like rotate, mirroring, zoom, move, windowing filter should be possible.
VII. Should be connected to Dry chemistry camera for documentation. Multi format printing should be possible with user selectable options.
VIII. It should have CD /DVD writing facility.

11. **Image storage and Transmission**
I. Hard disk storage capacity should be of 10000 or more images of 1024 x1024 matrix
II. The system should support storage of images on compact discs/DVD
III. The system should be DICOM 3.0 (or higher version) ready (like send,receive, print, record on CD/ DVD, acknowledge etc) for connectivity to any network computed/PG-etc in DICOM format.
IV. Easy integration and networking should be possible with any other existing future networking including other modalities HIS,RIS & PACS at no extra cost.
12. **DAP:** The facility to measure the radiation should be available.
13. **Accessories**
I. Dry Chemistry Camera. Should have minimum 500 DPI or more and should print at least 3 sizes of films on line out of 10x12,10x14,11x14, 8x10 and 14x17 inches.
II. Online UPS alongwith batteries of appropriate rating to give 30min. back up to operate the complete system including X-Ray machine.
III. Zero lead aprons-4 Nos.
IV. Stand for lead aprons-1
14. **Approvals**
The bidder should provide USFDA and European CE approved and AERB Type Approval. Please enclose any other certificate required for installation of the machine.
15. **Warranty/After Sale Service**
Two year comprehensive on site warranty of entire system (Spares and labour) including X-ray tube, civil, electrical and air conditioning works and all accessories (including dry chemistry camera, UPS etc.). This will be followed by **3** years comprehensive AMC.
16. **Training:** Minimum of 4 weeks of onsite training at the Hospital should be provide to radiographers and radiologists.
17. **List of installation.**
The bidder should have installed the same model in India. The bidder to provide the satisfactory installation of the same model in India.
18. **Spares:** Manufacturer/principal to give undertaking to provide spares for next 10 years of their quoted model.
19. Principal manufacturer to give undertaking that they will maintain and service the equipment in case Indian agent/ supplier fails to provide the service.
20. **Product Data Sheet**
All specification to be provided with original product data sheet. All technical specification should be supported with original data sheet highlighting the page number in the compliance sheet. Photocopy/computer print will not be acceptable.
The equipment quoted should be the main equipment of the principal manufacturer. Out of X-Ray generator, X-Ray Tube & detector, **two should be of the same make/manufacturer and specify their manufacturer's name.** The x-ray machine and its main components should find a pLakhse in the manufacturer's website and the copy of the webpage showing the same should be enclosed in the tender document. The bidder to mention its principal manufacturer's website address.

NOTE:

Bidders are requested to visit NEIAH, Shillong to assess the site condition of Equipment and installation in this Section. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. Electrical cabling of suitable ratings, Electrical points of suitable ratings, water connection, water drainage, plumbing & allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the "All inclusive lump sum price" should include all such costs.

Revised Estimated Cost: Rs. 1.5 Crore

Revised EMD: Rs. 3.0 Lakhs

ITEM NO 2: Ultrasound Machine

Point No.	Existing Tender Specification	Amended/Read As
2	The system should have minimum 1500 or more digital processing channels and 256 or more grey shades.	The system should have minimum 15000 or more digital processing channels and 256 or more grey shades.
4	The system should have a very high frame rate for B-mode & Colour mode. Maximum frame rate should be greater than 350 fps 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
8	The system should an integrated high resolution TFT/LCD of 15 inches or more with facility of tilt and swivel 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.
9	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.
10	The system should have scanning depth in the range of 2- 24cms.	The system should have scanning depth in the range of 2- 30cms.
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)
27	System should be offered with the following probes and accessories: (a) Convex probe with frequency range of 3.0-6.0 MHz. (b) TV/TR probe with frequency range of 5-8 MHz and minimum field of view of 140 degree for Pediatric and Neonatal application (c) Linear probe with frequency range of 6.0-11.0 MHz.	System should be offered with the following probes and accessories: (a) Convex probe with frequency range of 3.0-6.0 MHz. **(±11Mhz)** (b) TV/TR probe with frequency range of 5-8 MHz **(±±11Mhz)**and minimum field of view of 140 degree for Pediatric and Neonatal application (c) Linear probe with frequency range of 6.0-11.0 MHz **(±1Mhz)**.
28	28 Please quote optionally for the following:	(a) Linear probe 8-14 Mhz.

	(a) Linear probe 8-14 Mhz. (b) High frequency convex probe of frequency 5-8 Mhz. for pediatric/ Neonatal application.	(b) High frequency convex probe of frequency 5-8 Mhz. **(±)**. for pediatric/ Neonatal application.

ITEM NO 3: ECG Machine- 12 Channels

Point No.	Existing Tender Specification	Amended/Read As
3.12	Should be able to be connected to HIS /LAN/Wireless LAN(OPTIONAL)	Deleted
3.13	Should display ECG on LCD/TFT Display of 640x480 pixel resolution.	Must display ECG on colour display.
7.2	Should be USFDA , European CE,UL or BIS approved product	Unit should be USFDA **or** European CE Approved.

ITEM NO 5: BED SIDE MULTIFUNCTION MONITORS

Point No.	Existing Tender Specification	Amended/Read As
3.1.1	1 Equipment should have capability to display eight real time waveforms along with related numerical parameters on a single screen	Equipment should have capability to display **4** real time waveforms along with related numerical parameters on a single screen
	(I)EEG (j) Spirometry	Deleted
	3. Monitors should be of the size of 10 inch or more with 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.
6	UPS of suitable rating shall be supplied for minimum 4 hours backup for the entire system	UPS of suitable rating shall be supplied for minimum **1** hours backup for the entire system
	Point No. 7.1-Should be US FDA , CE,UL or BIS approved product. Should comply with all relevant AAMI,IEC,EN,CSA and UL standards.	USFDA **or** European CE approved products

ITEM NO 6: OPERATION TABLE: ELECTROHYDRAULIC

Point No.	Existing Tender Specification	Amended/Read As
1.1	Electro Hydraulic operation tables are for performing surgical procedures and they work with electrical power.	Electro Hydraulic operation tables are for performing surgical procedures and they work with and without electrical power.
3.1 (e)	All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, 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 **electro** hydraulically
3.1 (f)	Should have a manual position selector	Should have a manual position selector/Manual Override panel with manual override facility
3.2 (C)	Height : 730-1040mm	Height : 550-1050mm or more (±50mm)
4.2 (f)	f. Foot crutches: pair with clam	e. Lithotomy leg holders 'Geopel type' (Adult and Paediatric) – 1 set each f.) Knee Crutches with clamps
4.2 (l)	l. Accessories for operating in prone position	Deleted
4.2 (m)	m. Optional accessories for endourology work	Deleted
6.1	Should be US FDA , CE, UL or BIS approved product	Should be US FDA or European CE approved product

ITEM NO 7:

For: Electric Hydraulic Ophthalmology Operation Table (Imported) 1 No.

Read As: Electric Hydraulic Ophthalmology Operation Table 1 No.

Revised Specification :

1. Multi purpose function for Ophthalmology operation and examination use.
2. Disinfectant Resistant stainless steel finished.
2.1 Special design hand holder, more convenience for doctors in operation.
2.2 All stainless steel accessories including clamps.
2.3 Safety Backup all functions or movement of the unit will stop automatically by relief valve. While the maximum ranges are reached.

3 Technical Specifications

3.1 a. The casings on the frame and centre-supporting column should be made of hygienic stainless steel
b. Table should have mobile base with lockable castors

c. Four/five section table top with divided foot section
d. Table top should be radio translucent and permit for fluoroscopy with full length X-ray cassette tunnel accessible from either end.e
e. All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, except foot and head section should be operated electro hydraulically
f. Should have a manual position selector/Manual Override panel with manual override facility
g. The casings on the frame and centre supporting column should be made of hygienic stainless steel
h. Mattress should be radio translucent and suitable for fluoroscopy
i. The table top should be movable cranially and caudally on it base

3.2 Measurements:(approximate)
a.Length: 2000 mm or better
b.Width: 550 mm or better
c. Height : 550-1050mm or more (±50mm)
d Side tilt: + 15-20 degrees
e. Back section adjustment: - 15 degrees to 70 degrees
f. Foot section adjustment: - 0 to 90 degree, detachable
g. Trendelenburg: 25-30 degree
h. Anti trendelenburg: 25-30 degree
i. Head section adjustment: +45 degree to -45 degree, detachable
j. Weight bearing capacity 250 to 300 Kg
k. Cranial and caudal traversing:200-300mm

4 System Configuration Accessories, spares and consumables

4.1 System as specified
4.2 ACCESSORIES: All accessories including the ones listed below should be quoted. The specific accessories and their quantity will depend upon actual requirement
a. Padded arm rest with straps - pair with clamp
b.Anaesthesia screen with clamps
c. Side supports: pair with clamps
d. Shoulder supports: pair with clamps
e. Lithotomy leg holders 'Geopel type' (Adult and Paediatric) – 1 set each

f.) Knee Crutches with clamps
g. X-ray cassette tray with pushing tray
h. Accessories for operating in prone position
i. Kidney bridge
j. Patient Restraint Strap
k.St.Hand Holder X 1 Pc.
l. Head Rest with Wrist support X 1 Pc.
m. Water Proof Foot Switch X 1 Pc.
4.3Power input 220-240 volt/50 Hz AC single phase fitted

5 Environmental factors

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%

6 Standards & Safety

6.1 Should be US FDA or European CE approved product
6.2 Manufacturer and supplier should be ISO certified for quality standards.
6.3 Certified to be compliance with International Safety standards like IEC 60601-2-46 or equivalent if applicable
6.4Electrical safety confirming to IC60601-1 general requirement (or equivalent BIS standards.

7 Training

7.1 Comprehensive training for staff of user department and support services till familiarity with the system.

8 Warranty & Service

8.1 Comprehensive warranty for 2 years.

ITEM NO 8: SHADOWLESS LAMP (CEILING-Double DOME)

oint No.	Existing Tender Specification	Amended/Read As
Point 3 (1)	1. Main Dome - Light power (Lux) : 150,000 @ 1mt. or more - Color Temperature : 4800 Deg. K or better	Light power (Lux) : **160,000** @ 1mt. or more -Color Temperature : **4300** Deg. K or better
Point No. 3.2	2. Second Dome - Light power (Lux) : 100,000 @ 1mt. or more - Color Temperature : 4800 Deg. K or better -Color Rendering Index:85 or better	- Light power (Lux) : **120,000** @ 1mt. or more Color Temperature : **4300** Deg. K or better Color Rendering Index:95 or better
Point No. 7	LED lamps should have service life of 50,000 hours or better	LED lamps should have service life of **40,000** hours or better
Point No. 7.1	Should be USFDA , European CE,UL or BIS approved product	Should be USFDA or European CE approved product
Point No. 8.1	List of users of the quoted model.	List of users of the similar/quoted model.

ITEM NO 9: SHADOWLESS LAMP (CEILING-SINGLE DOME)

Point No.	Existing Tender Specification	Amended/Read As
	b. **Dome made of aluminium and completely sealed.** **c Glass dichroic reflector incorporated within aluminium dome.**	**b. Dome completely sealed.** **c. Suitable reflector incorporated within dome.**
Point 3 (f)	Colour temperature 4500 K or better	Colour temperature 4300 K or better
	Point No. 3(g): Colour Rendering index (CRI) 95%	Colour Rendering index (CRI) 95% or more
Point 3 (J)	Should have intensity control from 40-100%	Should have intensity control from **25**-100%
		Should be USFDA or European CE approved

ITEM NO 10: Boyles Apparatus/Boyles Anaesthesia Machine

Point No.	Existing Tender Specification	Amended/Read As
	All parts of the breathing system that are in contact with patient gas should be latex free and canister and bellow should be autoclavable. The ventilator bellows shall be clearly	All parts of the breathing system that are in contact with patient gas should be latex free and canister and **Bellows/ Piston** should be autoclavable. The ventilator bellows shall be clearly visible and should ascend on expiration to provide a quick visual

	visible and should ascend on expiration to provide a quick visual indicator for system leaks. Breathing system should have C02 Absorber	indicator for system leaks. Breathing system should have C02 Absorber
	Ventilator should be capable of ventilating diverse range of patient groups from neonates to patients with restrictive airways with tidal volume range between 20 ml to 1500 ml with single bellows system. Assisted modes of breathing should be flow triggered. Ventilator shall have an active proportional exhalation valve to prevent the potential of over delivery during pressure modes of ventilation.	Ventilator should be capable of ventilating diverse range of patient groups from neonates to patients with restrictive airways with tidal volume range between **20 ml to 1400 ml or more** with single bellows system. Assisted modes of breathing should be flow triggered. Ventilator shall have an active proportional exhalation valve to prevent the potential of over delivery during pressure modes of ventilation.

ITEM NO 12: Rigid laryngoscope

Point No.	Existing Tender Specification	Amended/Read As
	Laryngoscope holder and chest support for use with above laryngoscopes adult size (ring 9.5cm, rod 34cm) Laryngoscope holder and chest support pediatric size (ring 9.5cm, rod 24cm) Blade type Macintosh in quantity number three (3) with Lamp installed. Fitting Blade: Hook on fitting tip adjustable on the blade to provide the clinician with greater flexibility, especially in cases of difficult incubation. Uses four different angles between the blade and handle i.e 90 degree, 45 degree, 180 degree and 135 degree (standard) with four locked position light remains illuminated during changing from one position to another	Laryngoscope holder and chest support for use with above laryngoscopes adult size (ring **9-10**cm, rod 34cm) Laryngoscope holder and chest support pediatric size (ring **9-10**cm, rod **34**cm) Deleted Deleted

ITEM NO 12:

For: Flexible Sigmoidoscope with Light Source

Amend As: Video Colonoscope Complete Set

Revised Specification :

Video Colonoscope Complete Set:

1. Should be compatible with semi automatic leakage tester
2. Should be fully upgradable with EUS and balloon enteroscopy.
3. Outputs - RGB, Y/C, VBS Composite, XGA & DV simultaneous

4. It should have structure and edge enhancement option for better image quality
5. It should have various iris control option for better light distribution
6. Unit should be compact and light weight.
7. Light source - Combined or separate 100 watt or more **Xenon** with emergency backup facility.
8. Air pump with variable air flow controls.
9. Lamp can be turned on/off without turning off the equipment.
10. Electronic magnification

Specifications and Qualifications:

Angle of view field:-100 ° or more
Diameter of Distal End:-ø12.8mm or more
Diameter of Insertion Tube:- ø12.8mm or more
Range of Tip Bending:-180 ° U,
180 ° D,
160 ° R,
160 ° L

Depth of View: -3-100mm or more
Diameter of Instrument Channel:-ø3.2mm or more
Working Length: -1400mm or more

Medical Grade Color Monitor : 15" or more Medical grade color monitor

Recording Software and Archiving System

Software & image recording system with capability for generating good quality printed reports.
Laser printer of repute make
Trolley based system with the Video Colonoscopy System.

Approx tender price – 30 Lakhs (2 Sets)

Revised EMD : Rs. 60,000/

ITEM NO 13: *RIGID SIGMOID Scope WITH LIGHT SOURCE*

Point No.	Existing Tender Specification	Amended/Read As
	Should be European CE/UL/BIS approved product	Should be US-FDA or European CE approved product

ITEM NO 14: SHADOWLESS LAMP (MOBILE-SINGLE DOME)

Point No.	Existing Tender Specification	Amended/Read As
	• b. **Dome made of aluminium and completely sealed. c. Glass dichroic reflector incorporated within aluminium dome.**	**b. Dome completely sealed.** **c. Suitable reflector incorporated within dome.**
Point 3 (f)	Colour temperature 4500 K or better	Colour temperature 4300 K or better
	Point No. 3(g): Colour Rendering index (CRI) 95%	**3(g):** Colour Rendering index (CRI) 95% or more
Point 3 (J)	Should have intensity control from 40-100%	Should have intensity control from **25**-100%
	• **Should be European CE/UL/BIS approved product**	Should be USFDA or European CE approved.

ITEM NO 15: Portable Spirometer, Qty-02 Nos.

Point No.	Existing Tender Specification	Amended/Read As
Point 4	Flow/volume transducer: bi directional turbine	Flow/volume transducer: bi directional turbine/ **Flow Sensor Technology**
Point 8	Flow accuracy: ± 5% or 200 ml/s	Flow accuracy: ± 5%
Point 9	Dynamic resistance: < 0.5 cm H2O/L/s	Bidder to specify Dynamic Resistance (< 0.5 cm H2O/L/s) or Flow Resistance
Point 13	Printer: standard laser printer	Inbuilt Thermal Printer & standard laser printer

ITEM NO 16: Electrocautery/Surgical Diathermy with Accessories

Point No.	Existing Tender Specification	Amended/Read As
Point 7	7. Programmable power settings	7. Programmable power settings for monoploar & Biopolar operation
	Point to be Added	Accessories : **Point to be Added:** Standard set of all purpose monoploar & Biploar cutting & coagulation electrodes
	Environmental Condition Operating Temperature 00 to 400C	Operating Temperature 00 to 40dergree C
	Monopolar cut (HF power adjustment with Up/down Soft keys, from 1 to 60-100 Watts in increment of 1 watt) HF output 175-250 W att 100-700 ohms Frequency of HF voltage 350 KHz +/- 50 KHz **Monopolar coagulation** (HF power adjustment with Up/down Soft keys, from 1 to 60-100 Watts in increment of 1 watt) **Monopolar Soft Coagulation** Frequency of HF voltage 350 KHz +/- 50 KHz HF output 100 W at 100-200 ohms **Monopolar Spray Coagulation** Frequency of HF voltage 500 KHz +/- 50 KHz HF output 100-120 W at 300 ohms **Monopolar Forced Coagulation** Frequency of HF voltage 500 KHz +/- 50 KHz HF output 100-150 W at 300 ohms **Bipolar Coagulation** **(**HF power adjustment with Up/down soft keys, from 1 to 60-100 Watts in increment of 1 Watt) Frequency of HF voltage 350 KHz +/- 50 KHz HF output 70-100 W at 100-200 ohms Activation of HF output power pedal and auto start (either both or only pedal) Auto start delay (if auto start) 1, 3, 5 sec **Bipolar Cut**	Monopolar cutting- 250 W or more, Monopolar coagulation- 100 W or more, Bipolar cutting- 120 W or more, Bipolar coagulation- 100 W or more,

	(HF power adjustment with Up/down soft keys, from 1 to 60-100 Watts in increment of 1 Watt) HF output 70-100 W at 100-500 ohms	
		Point to be added: Safety Features: Electrical safety conforms to standards for electrical safety IEC-60601-1 or better
	• **Silicone patient plate (pediatric and adult) – 2 each**	• **Silicone patient plate (pediatric and adult) – 2 each** Reusable type
	• **Monopolar forceps with hand control with accessories**	• **Monopolar forceps with hand control with accessories** Reusable type
	• **Time limit LED glows if power delivery activated for more than 10 seconds. Power shuts OFF after total 15 sec. of continuous operation.**	Deleted
		Point to be Added : Unit should be USFDA or European CE approved.

ITEM NO 18: Automatic Cell Counter 5 part with automatic Reticulocyte Count

Point No.	Existing Tender Specification	Amended/Read As
Point 2.1	Automatic blood cell counter that measures 18 parameters including 5-part differential of WBC is required complete with printer.	Automatic blood cell counter that measures 18 parameters or more including 5-part differential of WBC & Reticulocyte Count is required complete with inbuilt Thermal printer & External Laser Printer.
Point 3.4	Low Sample Volume of 10µL	Low Sample Volume
Point 3.5	Throughput > 60 samples per second.	Throughput > 60 samples per **hour.**
Point 3.6	Linearity Ranges WBC 0.5-80.0 * 103/µL RBC 0.20-7.50 * 106/µL HGB 2.0-25.0 g/dL HCT 10.0%-70.0% PLT 10-999 * 103/µL	Linearity Ranges WBC 0.5-80.0 * 10^3/µL RBC 0.20-7.50 * 10^6/µL HGB 2.0-25.0 g/dL HCT 10.0%-70.0% PLT 10-999 * 10^3/µL

ITEM NO 23: Bone Drill Machine & Bone Cutter

For :

Bone Drill Machine & Bone Cutter

Read As:

Battery operated Drill & Saw System for Orthopaedics

Revised Estimate Cost: Rs. 30 lakhs (2 Sets)

Revised EMD: Rs. 60,000 (2 Sets)

Revised Specification:

Battery Power System should be versatile function and should used in all applications require in large bones and small bones.

The two trigger drill hand piece should have the feature of Drilling, Reaming & Oscillation mode.

The Cannulation of the rill hand piece should be more than 4.5mm.

The modular Drill Hand Piece should have adaptability to have variation in speed and troque with different attachment to have different function in drilling and reaming.

The speed torque ratio should be at least of three variations like 1:1, 3:1 and 5:1.

The drilling speed should be more than 900 RPM and torque should be available upto 11Nm.

Should have quick coupling drilling attachments for AO small, wire Driver & Jacob Chuck.

Should have quick coupling Reaming attachments for AO large.

Bur attachment compatible Drill Hand piece for removal of cement in revision surgery for high speed application maximum speed 30,000 RPM.

Short, medium and long Bur guards and Bur(10 Nos.) to be supplied with Bur attachment for cement removal.

The System should have dedicated oscillating saw hand piece.

The speed of dedicated Oscillating Saw should be more than 10,000 CPM.

The oscillating saw handpiece should have rotating head at 4 intervals in 90deg each.

The system should have Arthroplasty blades (10 Nos.) and special trauma blades for sawing (10 Nos).

Four station Battery Charger .

Should have NiMH battery (2 Nos.).

Sterilization case for the complete system.

The system should be US FDA or European CE Approved product.

ITEM NO 24: Suction Machine

Point No.	Existing Tender Specification	Amended/Read As
	Heavy duty motorized pump for fast vacuum built.	**Heavy duty pump for fast vacuum built.**
	Suction Capacity: 35 litres per minute	**Suction Capacity: 35 litres per minute or more**
	Vacuum gauge: Bourdon Type 3" 0-760 mm Hg calibrated	**Vacuum gauge: 0-760 (±50) mm Hg calibrated**
	Suction bottle: Glass jars or two unbreakable polycarbonate jars of 3000CC with overflow check valve (float type)	**Suction bottle: Two unbreakable polycarbonate jars (Reusable) of 3000CC with overflow check valve (float type)**
	Should be ISI /European CE or equivalent standard approved product.	Should be USFDA or European CE approved product

ITEM NO 30: Binocular Microscope Medical/Student Type

Point No.	Existing Tender Specification	Amended/Read As
Point 8, 9	8. Revolving Quintuple nose piece (for objectives)	8. Revolving quadruple nose piece (for objectives)

ITEM NO 32: Monocular Microscope Lab (Oil Immersion Type)

Point No.	Existing Tender Specification	Amended/Read As
	Objectives 5x, 10x, 45x (SL), 100x (SL) Oil immersion	Objectives are 4x, 10x, 40x (SL), 100x (SL) Oil immersion,

ITEM NO 33: PAN ENDOSCOPY INSTRUMENTS SET

Point No.	Existing Tender Specification	Amended/Read As
Pt 11-42	Laryngeal Suction Tubes 24-25cm 1 No. Laryngeal Suction Tubes 24-25cm 2 No. Laryngeal Suction Tubes 24-25cm 3 No Laryngeal Suction Tubes 24-25cm 4 No. Micro Laryngeal Forceps Serrated Jaw Straight 24-25cm Micro Laryngeal Forceps Serrated Jaw Curved Right 24-25cm Micro Laryngeal Forceps Serrated Jaw Curved Left 24-25cm Micro Laryngeal Forceps Serrated Jaw Upward 24-25cm Micro Laryngeal Forceps Cup Jaw Straight 24-25cm Micro Laryngeal Forceps Cup Jaw Curved Right 24-25cm Micro Laryngeal Forceps Cup Jaw Curved Left 24-25cm Micro Laryngeal Forceps Cup Jaw Upward 24-25cm Micro Laryngeal Scissors Straight 24-25cm Micro Laryngeal Scissors Curved Right 24-25cm Micro Laryngeal Scissors Curved Left 24-25cm Patterson Biopsy Forceps 24-25cm Jackson Grasping Forceps 24-25cm Jackson Foreign Body Forceps 24-25cm Vocal Nodule Forceps 24-25cm Biopsy Punch Forceps 24-25cm	Laryngeal Suction Tubes 23-25cm 1 No. Laryngeal Suction Tubes 23-25cm 2 No. Laryngeal Suction Tubes 23-25cm 3 No Laryngeal Suction Tubes 23-25cm 4 No. Micro Laryngeal Forceps Serrated Jaw Straight 23-25cm Micro Laryngeal Forceps Serrated Jaw Curved Right 23-25cm Micro Laryngeal Forceps Serrated Jaw Curved Left 23-25cm Micro Laryngeal Forceps Serrated Jaw Upward 23-25cm Micro Laryngeal Forceps Cup Jaw Straight 23-25cm Micro Laryngeal Forceps Cup Jaw Curved Right 23-25cm Micro Laryngeal Forceps Cup Jaw Curved Left 23-25cm Micro Laryngeal Forceps Cup Jaw Upward 23-25cm Micro Laryngeal Scissors Straight 23-25cm Micro Laryngeal Scissors Curved Right 23-25cm Micro Laryngeal Scissors Curved Left 23-25cm Patterson Biopsy Forceps 23-25cm Jackson Grasping Forceps 23-25cm Jackson Foreign Body Forceps 23-25cm Vocal Nodule Forceps 23-25cm Biopsy Punch Forceps 23-25cm

pt 75, 76		**Point to be Added :** One Compatible Telescope for required Optical Forceps **To Revise the Estimated Tendered Cost from Rs. 13.5 Lakhs to 20 Lakhs.** **EMD to be revised from Rs. 27,000/- to Rs. 40,000/-**

ITEM NO 35: Phototherapy Unit (LED),Qty-01 No.

Point No.	Existing Tender Specification	Amended/Read As
	Should have approx. 18 nos. high power LED	Should have approximately 11 or more high power LED
	Should have Effective Area : 50 X 25 cm	Should have effective area: 40x20 cm or more
	Cart approximately: 1460 mm(H) X 430 mm(L) X 520mm(D)	Phototherpy with suitable cart & Antistatic castors, 2 with breaks
	Main : 75mm(H) X 340 mm(L) X 210 mm(D)	Minimum suitable dimension for the system
	Should have temperature adjustment.	Timer for monitoring therapy hours & lamp usage hours Standards, safety and training a) Should be USFDA or European CE approved product b) Manufacturer should be ISO certified for quality standards c)Equipment Shall CERTIFIED to be meeting Electrical Safety requirements as per IEC 0601-2-50 Medical Electrical Equipment part-2-50 Particular requirements for the safety of Infant Phototherapy Equipments manual d.). Power supply - Power input to be 220-240VAC, 50Hz

ITEM NO 36: Panchakarma Items

Point No.	Existing Tender Specification	Amended/Read As
	Estimate Cost : 11 Lakhs	Revised Estimated Cost **Rs. 18 Lakhs.** Revised EMD **Rs. 36,000.**

Bid submission date extended from 19.09.2014 to 09.10.2014.

The validity of bid security (EMD) shall be considered from the original date of submission of bid i.e. from 19/9/2014.

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

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

Director,
NEIAH Shillong