

HSCC (I) Ltd

Amendment –IV Dated 06.01.2020

Ref. IFB No: HSCC/AIIMS-RAEBARELI/Hospital/08/2020 Dated : 20.11.2020

Subject: Procurement of Medical Equipment for AIIMS -Raebareli.

Technical Amendment:

Name of Item& No.: **27, ENT Operating Microscope**

Department: ENT Department

1. Heavy Mobile floor stand with mechanical brakes and good sturdy balancing system and locking device.
2. All the cables should be inside the stand and microscope arm for protection.
3. Motorized Zoom Magnification system with apochromatic optics with five step magnification changer
4. Magnification ranges: 2.0X to 25X or better continuously variable with eye piece 10X or 12.5X. Dioptre setting range from -5D to +5D
5. Field of View 25mm to 150 mm continuously variable.
6. Objective lens for 250mm, 300mm and 400mm, Fine focusing for 250 mm.
7. Tilt able Binocular tube up to 180 degree with focal length 170 mm
8. Inter-pupillary distance adjustment from 55 mm to 75 mm
9. Mortised zoom and focus control on Pair of handles and foot switch.
10. Microscope Head should be freely mobile to all the directions and can be maneuvered to laryngeal surgery.
- 11. Spring-balance articulated arm**
12. Coaxial fiber Optic/direct Xenon or LED illumination System
13. In LED equipped Systems :Single Lamp equivalent to 180watt Xenon
14. Dual lamp system with quick change over in case of Xenon
15. Continuously lamp intensity adjustment by control knob near to the surgeon

16. Should have Integrated Full HD (1,920 x 1,080 pixels) camera & Full HD (1,920 x 1,080 pixels) recording system.
17. Camera should have play back function for videos & photo in Full HD (1,920 x 1,080 pixels) Format
18. 20" full HD monitor compatible with camera, mounted on the microscope arm
19. Compatible USB recording device for documentation
20. Trolley (indigenous) to station recording device etc.
21. One Spare Xenon bulb
22. Co-observation system movable in all axis
23. Microscope should be adaptable to Micromanipulator for LASER
24. Any other accessory which is must for functioning of the equipment like continuous voltage stabilizer etc.
25. Voltage 230, frequency 50-60 Hz

26. European CE/US FDA/ BIS
27. System should be fully functional with all necessary software and hardware.
28. Demo must be provided
29. Complaints should be attended properly, maximum within 24 hrs. The service should be provided directly by bidder/Indian Agent. Undertaking by the Principals in the “Manufacturer Authorization Form” that the spares for the equipment shall be available for at least 10 years from the date of supply of equipment.
30. During the warranty period and CAMC period, desired Uptime of 95% of 365/366(Leap Year) days (24 Hrs), if downtime more than 5%, the warranty period/CAMC period will be extended by twice the time period. In addition a penalty equal off 0.25% of the total cost of equipment per day will be liveable for the excess downtime period. Complaints should be attended properly maximum within 8hrs.
31. All software updated should be provided free of cost during Warranty and CAMC Period
32. Company should quote the price of all accessory/consumables of the quoted model like Heat Sink, Power Cable, Head Parallelogram, Binocular Tube, Bulbs etc. The price of the accessories/consumable should be freeze till the life cycle of the equipment.
33. Warranty: 5 years
34. CAMC: 5 Years after warranty

Name of Item& No.: **28, Puretone Audiometer**

Department: ENT Department

1.	Channel	2 separate & identical channel (2 oscillator) with SEPARATE AUDIOMETER CONTROL PANEL
2.	Outputs	Head-Phone, Bone Vibrator, Free-Field, Masking – ipsi and contra, Insert Receiver
3.	Frequency Resolution	1/6,1/12,1/24 and 1/48 octave as well as 1hz(can store upto 24 points for each audiometry curve)
4.	Level Range	Maximum output will be limited by the transducer. AC: -10 to 120 db HL (500 to 4000 Hz; supra aural earphone) BC: -10 to 80db HL (1500 to 3000 Hz; mastoid placement) SF: 105db HL (Note: with external amplifier)
5.	Level accuracy	Entire level range (AC): 125 to 5000 Hz: ± 3 dB , 5000 to 20000 Hz: ± 5 dB Entire level range (BC): 250 to 5000 Hz: ± 4 dB , 5000 to 20000 Hz: ± 5 dB
6.	Level resolution	1, 2, or 5 dB step resolution over the entire range
7.	Stimuli types	Pure tone, Pulsed, Warble, FRESH noise (Frequency-specific hearing assessment noise), pulsed FRESH noise
8.	Frequency Range	Air Conduction: 125 to 12500 Hz(TDH 39 earphones), 125 to 20000 Hz(HDA 200 earphones)
		Bone Conduction: 250 to 8000 Hz
		SF: 125 to 20000 Hz
9.	Stimulus Modulation	FM(warble): adjustable modulation rate and depth: Modulation rate: 1-20Hz (default: 5 Hz) Modulation Depth: 1-25% of centre frequency (default: 5%) SISI: 5, 2, 1 dB increments
10.	Masking Types	White Noise, Speech Weighted Noise, Narrow Band Noise
11.	Special Test	SISI, ABLB, Stenger, Tone Decay, MLD,TEN Test, SAL Test, Tinnitus, MHA, Multiple Frequency Weber, Rinne, Weber, Bekesy , DLF, DLI, HLS, Lombord Test
12.	Special Pediatric Test	In Built facility for Visual reinforcement audiometry (Should provide hardware & software for doing this test)
13.	Optional Test	QuickSIN ,LIPread(CUNY, MLST-C/A), Pediatric
14.	External Input	Talk Back Microphone , CD/Analog line in

15.	Standard Accessories	TDH 39 Headphones
		High Frequency Headphones (HAD 200/300)
		B.C. HEADSET B-71
		Free-Field Set Up from principle manufacturer
		Monitor Phone
		Patient Response Switch
		Operational Manual
		USB Cable
16.	Laptop Requirements	9th Generation Intel® Core™ i9-9980HK (16 MB Cache, 8 Core, up to 5 GHz)), 16 GB, 2 x 8 GB, DDR4, 2666 MHz with Licence windows 10 or higher with <u>Colour Laser printer</u> of reputed brand like dell/HP
17.	Extra accessories must supplied with each audiometer	
a.	AC Cord-20	
b.	BC cord-20	
c.	TDH 39-02	
d.	Bone Vibrator-04	
e.	High Frequency Head phone-02	
f.	Hard Carrying Case-01	
18.	<i>Demo must be provided</i>	
19.	<i>All accessories & equipment except computer/printer are from same manufacturer.</i>	
20.	<i>Should provide the price list of accessories consumables and non consumables.</i>	
21.	<i>On site training to Doctors/Technicians/staff is to be provided by Principal/Indian Agents for operation and maintenance of the equipment to the satisfaction of the department.</i>	
22.	<i>During the warranty period and CAMC period, desired Uptime of 95% of 365/366(Leap Year) days (24 Hrs), if downtime more than 5%, the warranty period/CAMC period will be extended by twice the time period. In addition a penalty equal off 0.25% of the total cost of equipment per day will be liveable for the excess downtime period. Complaints should be attended properly maximum within 8hrs.</i>	
23.	<i>All software updated should be provided free of cost during Comprehensive Warranty Period.</i>	
24.	<i>Price of Accessories/Consumable should be frozen till the warranty period.</i>	
25.	The Specification are broad based, generalized in respect of the requirement and not suited to any particular firm/brand.	
26.	Should be deliver with all functional software and hardware.	

Name of Item& No.: **29, Tympanometer**

Department: ENT Department

- 1) Three-component tympanometry (Admittance, Susceptance and Conductance) 226 Hz, and 1000 Hz (Probe tones: 226 Hz: 85 + 1.5 dB SPL/1000 Hz: 75+3 dB SPL). Probe assembly with contra lateral insert ear phones.
- 2) Probe assembly, Detachable Probe tips with contra lateral insert phone with supra aural ear phones TDH39.
- 3) Acoustic reflex measurement:
 - Acoustic reflex thresholds : 500 Hz to 4 kHz : 110 dB HL
 - Acoustic reflex decay
- 4) Eustachian tube function tests (Intact and perforated)
- 5) Accuracy $\pm 5\%$ to ± 10 daPa
- 6) Multiple Frequency Tympanometry (both sweep frequency & pressure method)
- 7) Facility for altitude calibration
- 8) Printer and paper (at least 1 dozen roll) with at least 10 boxes of ear tips of different sizes.
- 9) CE/ANSI certified
- 10) Interface with computer, Inbulit Storage memory, USB cable/wirelessfor transmitting the stored data.
- 11) Noise (Band) - WN/HP/LP

- 12) Builtin Chargeable battery openlid or an external rechargeable portable battery with charger(Minimum 04 hour Power Back up).
- 13) Multiple Pulse Tone stimulus for Neural Integrity.
- 14) Combines a middle ear analyzer and audiometer.
- 15) Indicator Light for signal for Probe Seal.
- 16) Visual distraction for un cooperative patients mainly children.
- 17) Reflex sensitization.
- 18) Acoustic reflex latency test.
- 19) Air Pressure ± 200 daPa to 400 daPa.
- 20) **The Specification are broad based, generalized in respect of the requirement and not suited to any particular firm/brand**
- 21) **Accessories/consumables:**
 - a) Compatible probe assembly compatible: 5 pair
 - b) Compatible extra tips other than the standard 10 boxes: 10
 - c) Complete cleaning kit
 - **The system should be complete in itself and fully functional with appropriate softwares and hardwares when supplied**
 - **Demo is must**
 - **After sale service with penalty clause**
 - **After sale service should include periodic whole system calibration (with couplers) minimum twice an year and on SOS basis**
 - **Rates of the spares which are not covered under guarantee/warrantee should be quoted by the company (item not mentioned in the list are assumed under comprehensive warranty and company have to provide for proper function of equipment)**

Name of Item& No.: **30, OAE (Screening)**

Department: ENT Department

Specification Sr. No.	Tendered Specification	To be Read As
2(vi)	Stimulus Levels L2 – 35 to 65 dB HL (in steps of 5dB	Stimulus intensity 0-80 Db in 5 dB steps
2(xii)	Stimulus intensity: 40 to 70 dB SPL (DPOAE). 83 dB	0 to 90 dB SPL (DPOAE) 85 dB SPL +/- 3 dB
2(xvi)	Display: LCD-display 4 line x 10 character	9 th Generation Intel® Core™ i9-9980HK (16 MB Cache, 8 Core, up to 5 GHz), 16 GB, 2 × 8 GB, DDR4, 2666 MHz with License windows 10 or higher with Colour Laser Printer of reputed brand.

All other Specifications shall remain unchanged.

Name of Item& No.: **31, Brainstem Evoked Response Audiometer (BERA) with ASSR**

Department: ENT Department

1.	Number of Channels: 2, BC vibrator with insert ear phones and Headphones
2.	Amplifier gain up 1,50,000 times.
3.	Analysis Time: Upto 10,000 ms
4.	Stimulus: Clicks, Tone Bursts,
5.	A/D resolution 16bit

6.	Low Pass: 30 Hz to 3,000Hz high pass: 0.1Hz to 300Hz, user modifiable frequency specific SPL to HL & nHL
7.	Stimulus Intensity: upto 130 dB SPL
8.	Stimulus Duration: 0 to 250ms, rate 0.1 to 150/sec in 0.1/sec Steps
9.	Masking: White noise, Programmable Levels
10.	Test Facilities ABR, MLR, IIR should work with 220V/50Hz supply, facility to add, Subtract, Multiply & cross correlate recordings.
11.	Laptop/Desktop 10 th Generation Core i7, RAM Minimum 16 GB, HDD Minimum 2TB, DVD Writer, WLAN & LAN, VGA & HDMI Port USB port, Wired mouse and Keyboard and Colour Printer to run the System
12.	CHIRP Technology
13.	Accessories/Consumables
A	AC Chords-01 Pair
B	BC Chords-01 Pair
C	BC Headband-01 Pair
D	Gold Cup Electrode-40
E	Skin Cleaning Paste-40
F	Electrodes Gels-20
G	Tips for insert Phones-05 Packets
14.	The system should be complete in itself and fully functional with appropriate software and hardware when supplied.
15.	The company should quote the price of all consumables/accessories separately.

Specific to ASSR

- i. PreAmplifier
- ii. 2 channels
- iii. Gain 80 dB
- iv. Frequency Response upto 8000Hz
- v. Noise 6.0 NV Hz
- vi. CMR Ratio > 115 dB at any frequency between 0.1Hz & 10Hz.
- vii. Input Impedance > 10M
- viii. Impedance Check
- ix. Ranges 0.5k-25k.

Name of Item& No.: **32, Bronchoscopy (Adult)/ Rigid Bronchoscope with Oesophagoscope set**

Department: ENT Department

1. Straight Forward Telescope 0°,	ONE
diameter 4.5 mm,length 50 cm, autoclavable.	
Fiber optic light transmission incorporated,	
2. Straight Forward Telescope 30°,	ONE
diameter 4.5 mm,length 50 cm, autoclavable.	
Fiber optic light transmission incorporated,	

3. Bronchoscope Tube Universal, without	ONE
distal fiber optic lighth carrier, for use with	
proximally insertable prismatic light deflector and	
plugs length 43 cm, size 8.5	
4. Bronchoscope Tube Universal, without distal	ONE
fiber optic light carrier, for use with proximally	
insertable prismatic light deflector and	
plugs length 43 cm, size 7.5	
5. Bronchoscope Tube Universal, without	ONE
distal fiber light carrier, for use with proximally	
insertable prismatic light deflector and	
plugs length 43 cm, size 6.5	
6. Prismatic Light Deflector with connection for	ONE
fiber optic light cable.	
7. Glass Window Plug	ONE
8. Rubber Telescope Guide	ONE
9. Adaptor with sliding glass	ONE
window plug, sealing cap, notched lens and	
keyhole opening, movable, for use with	
Full Lumen Tracheoscopes and Bronchoscopes	

10. Injection Cannula for possitive pressure	ONE
assisted ventilation system, O.D. 3.5 mm for	
use with bronchoscopes and tracheoscopes with	
LUER-lock fermale fitting	
11. Tube Guide, for Bronchoscope	ONE
12. Adaptor from bronchoscope to any type of	ONE
pediatric respiration equipment.	
13. Plug for Ventilation Attachment of	ONE
Bronchoscopes	
14. Bronchoscopic Forceps, circular cup, biopsy,	TWO
malleable, double action jaws, diameter:	
2.5 mm, working length 50 cm	
15. Bronchoscopic Forceps, universal biopsy and	TWO
grasping, double action jaws, diameter:	
2.5 mm, working length 50 cm	
16. Bronchoscopic and Esophagosopic Forceps,	TWO
universal biopsy and grasping, double action jaws,	
diameter: 2.0 mm, working length 35 cm	
17. Bronchoscopic and Esophagosopic Forceps,	TWO
alligator, grasping, double action jaws,	
diameter 2.0 mm, working length 35 cm	

18. Bronchoscopic Forceps, alligator, grasping,	TWO
double action jaws, diameter: 2.0 mm,	
working length 45 cm	
19. Bronchoscopic Forceps, universal,	TWO
biopsy and grasping, double action jaws,	
diameter: 2.0 mm, working length 45 cm	
20. Rigid Suction Tube,, diameter 3.5-4.5 mm,	
working length 35 cm	TWO
21. Rigid Suction Tube for Bronchoscopy,	TWO
O.D. 1.5-2,5 mm working length 50 cm	
22. Optical forceps- alligator	ONE
23. Optical forceps- universal	ONE
24. Optical forceps-peanut	ONE
25. Optical forceps- spoon shaped	ONE
26. Optical forceps for repositioning and removing stents	ONE

- All instruments should be made of international quality stainless steel.
- Product code and manufacture name should be engraved on each instrument
- All essential cables, connectors and adaptors to be provided.
- All instruments should be free from magnetic effect
- Bronchoscope should have color code to identify the sizes matching with instruments. Bronchoscope should have scale marked.
- All instruments should free from rusting at least for the 2 years and if there is rusting within the 2 years period then firm should replace it.
- All instruments should be leak proof.
- Demo is must.
- Should mentioned the price for consumable/ accessory/ spare separately
- Undertaking should be given from principle at the time of supply that none of the instruments are refurbished. Certificate should also enclosed.

- Universal base should have port for jet ventilation.
- All accessories from same manufacturer and should be European CE/ USFDA/ BIS approved

Oesophagoscope set – one set

- **Oesophagoscope set – one set**
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Sl.no	Instrument description	Qty.
Esophagoscopes		
1.	ROBERTS-JESBERG Esophagoscope, , oval, length 50 cm, O.D. 12 mm x 16 mm	1
2.	ROBERTS-JESBERG Esophagoscope, oval, length 50 cm, O.D. 10 mm x 14 mm	1
3.	ROBERTS-JESBERG Esophagoscope, oval, length 50 cm, O.D. 8 mm x 12 mm	1
4.	ROBERTS-JESBERG Esophagoscope, oval, length 40 cm, O.D. 12 mm x 16 mm	1
5.	ROBERTS-JESBERG Esophagoscope, oval, length 40 cm, O.D. 10 mm x 14 mm	1
6.	ROBERTS-JESBERG Esophagoscope, oval, length 40 cm, O.D. 8 mm x 12 mm	1
7.	ROBERTS-JESBERG Esophagoscope, oval, length 30 cm, O.D. 12 mm x 16 mm	1
8.	ROBERTS-JESBERG Esophagoscope, oval, length 30 cm, O.D. 10 mm x 14 mm	1
9.	ROBERTS-JESBERG Esophagoscope, oval, length 30 cm, O.D. 8 mm x 12 mm	1
Rigid esophagoscope forceps		
14.	Forceps, pointed, serrated, for coins and flat foreign bodies, double-action jaws, sheath diameter 2.5 mm working length 55 cm	1
15.	Forceps, with round cupped jaws, for biopsy and foreign bodies, double-action jaws, cupped diameter 5 mm sheath diameter 2.5 mm working length 55 cm	1
16.	Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm working length 55 cm	1
17.	Forceps, universal, for biopsy and foreign bodies, double-action jaws, width 3 mm, sheath diameter 2.5 mm, working length 45 cm	2
18.	Forceps, with round cupped jaws, for biopsy, double-action jaws, cupped diameter 4 mm, sheath diameter 2 mm, working length 45 cm	1
19.	Forceps, alligator grasping, for hard foreign bodies, double-action jaws, sheath diameter 2 mm, working length 45 cm	2
20.	Forceps, pointed, serrated, for coins and flat foreign bodies, double-action jaws, sheath diameter 2 mm, working length 35 cm	2
21.	Forceps, with round cupped jaws, for biopsy, double-action jaws, cupped diameter 4 mm, sheath diameter 2 mm, working length 35 cm	1
22.	Forceps, alligator grasping, for hard foreign bodies, double-action jaws, sheath diameter 2 mm, working length 35 cm	1
23.	Denture cutting scissors, working length 45-47 cm	1
Light cable, light source and accessories		
24.	Fiber optic light cable with straight connector, heat resistant, with safety lock, diameter approx. 3.5 mm, length 230- 250 cms	1
25.	Prismatic Light Deflector, autoclavable, with connection to fiber optic light cable	1
26.	High performance LED light source, power supply 100 – 240 VAC	1
27.	Fiber Optic Light Carrier for use with rigid esophagoscopes of length 50 cm	1
28.	Fiber Optic Light Carrier for use with rigid esophagoscopes of length 40 cm	1
29.	Fiber Optic Light Carrier for use with rigid esophagoscopes of length 30 cm	1
30.Suction Tubes-		
Metallic Suction cannula, with grip and suction control for use with esophagoscope of length 50 cms, size 1 And 2		-1 EACH

Metallic Suction cannula, with grip and suction control for use with esophagoscope of length 40 cms, size 1 and 2	- 1 EACH
Metallic Suction cannula, with grip and suction control for use with esophagoscope of length 30 cms, size 1 and 2	- 1 EACH

- All instruments should be made of international quality stainless steel.
- Product code and manufacture name should be engraved on each instrument
- All essential cables, connectors and adaptors to be provided.
- All instruments should be free from magnetic effect
- Demo is must.
- Should mentioned the price for consumable/ accessory/ spare separately
- Undertaking should be given from principle at the time of supply that none of the instruments are refurbished. Certificate should also enclosed.
- All instruments should free from rusting at least for the 2 years and if there is rusting within the 2 years period then firm should replace it.
- All accessories from same manufacturer and should be European CE/ USFDA/ BIS approved

Name of Item& No.: **33, Flexible rhino-pharyngolaryngoscope**

Department: ENT Department

A. general specifications

1. Should have large viewing angle and movable distal tip for better
2. Waterproof, fully immersible for cleaning and disinfections
3. Sterilizable with ETO gas, steris and sterrad
4. Resistant construction and robust mechanics

B. Technical Specifications:

1. Direction of view: 0 deg.
2. Angle of view: 100-110 deg.
3. Working length: 30-35 cm
4. Outer diameter: 5-5.5 mm
5. Instrument Channel: 2-2.5mm
6. Deflection: Upward minimum 130 deg, Downward minimum 130 deg.

C. The following accessories should be included:

1. Carrying Case- 1 in number
2. Pressure compensation cap- 1 in number
3. Leakage tester- 1 in number
4. Mouth piece- 1 in number
5. Cleaning Brush- 1 in number
6. One Biopsy Forceps- Double action Jaws- 2 in number
7. One Grasping Forceps- Double action Jaws- 2 in number

D. Product code and manufacture name should be engraved on each instrument

E. the quoted item should be provided with a universal adaptor and a light guide cable.

F. Display and recording system: compatible full HD camera system with high light intensity with full HD monitor(27") and recording system

G. All accessories should be from the same manufacturer and should be European CE/ US FDA/ BIS approved.

Name of Item& No.: **25, OT Table Electro Hydraulic**

Department: Dermatology Department

Specification Sr. No.	Tendered Specification	To be Read As
First Paragraph	Multi purpose electro hydraulic with manual / electric override mobile table with divided leg section suitable	Multi purpose electro hydraulic / electro mechanical with manual / electric override mobile table with divided

	for all major surgical procedures (surgery, obg, neuro, ortho and endoscopy) complete with 5 cm mattress and corded hand set	leg section suitable for all major surgical procedures (surgery, obg, neuro, ortho and endoscopy) complete with 5 cm mattress and corded hand set
A-3	Removable head and leg sections to suit different applications	Removable head and leg sections to suit different applications and interchangeable with reverse orientation indicator on remote/ control panel
A-7	Mattress should be of high quality that spans tabletop break for improved patient support. Its depth	Mattress should be of high quality that spans tabletop break for improved patient support. Its depth should be 50mm. Mattress must be latex-free.
A-8	The robust handset should offer controls for Trend./ Reverse Trend, Lateral Tilt, Flexion/Extension, horizontal sliding and Height functions. One button auto leveling should be available	The robust handset should offer single assigned button on controls for Trend. and Reverse Trend, Lateral Tilt, Flexion and Extension, horizontal sliding and Height functions. One button auto leveling should be available, reverse orientation button/indicator, back section up and down, leg section up and down
A-13	The table top should not be fitted with transverse members casting shadows on X-ray images except for the release brackets for adjustment on either side.	The table top should not be fitted with full length X-ray cassette channel, accessible from either side
A-14	The table should be operated by the following operating elements: corded hand control, Manual override panel with manual override facility or electrical override panel should be available in case of power failure.	The table should be operated by the following operating elements: corded hand control, Manual override panel with manual override facility or electrical override panel should be available in case of power failure. Backup facility should have the same features /controls like main remote.
C-2	Width : 550-600 mm	Width : 550-600 mm (Including side rails)
C-3	Minimum height (without mattress): 410 mm – 550 mm	Minimum height (without mattress): 410 mm – 650 mm
C-4	Maximum height (without mattress): Minimum of 1000 mm or more	Maximum height (without mattress): Minimum of 1000 mm or more with a tolerance of ±10%
C-5	Maximum lateral tilt: 15 deg. (either side)	Lateral tilt: at least 20 deg. (either side)
C-11	Break (Flexion) position : upto 130 deg	Break (Flexion) position : 110 - 130 deg
C-12	Horizontal sliding 200 mm or more	Horizontal sliding 200 mm or more (for both sides)
C-14	Maximum patient weight: 250 kg or more	Patient weight: 350 kg or more
D-10	Accessories for operating in prone - a radiolucent wilson frame, gel pad for head chest & feet - 1 each	-DELETED-
D-11	3 pin skull clamp with Adult & Paediatric reusable pins (2 set each) and horse shoes for adult & paediatric sizes	-DELETED-
D-12	Cross bar with clamps for sitting position 01 set	-DELETED-
BOQ Point No 11	Accessories for operating in prone - a radiolucent wilson frame gel pad for head chest & feet - 1 each	-DELETED-
BOQ Point No 12	3 Pin skull clamp with adult & pediatric reusable pins 2 set each and horse shoes for adult & pediatric sizes with table attachment	-DELETED-
BOQ Point No 13	Cross bar with clamps for sitting position 01 set	-DELETED-

All other specifications shall remain unchanged.

Name of Item& No.: **22, IPL (Intense Pulse Light System)**

Department: Dermatology Department

Specification Sr. No.	Tendered Specification	To be Read As
2	It should have energy up to 300J.	It should have energy of 300J or more.
3	It should have energy fluence up to 70J/CM2.	It should have energy fluence in between 20 to 70 J/CM2.
7	It should have single pulse duration variable (1-40 msec).	It should have single pulse duration variable (10-20 msec or more).
9	It should spot sizes large handpiece 4.5cm2 (45mm x 100m) surface area (640-1200 nm) Quartz Light Guide.	It should have spot sizes of large handpiece 4.5cm2/5cm2/6cm2 (45mm/50mm/60mm x 100mm)
10	It should have Standard handpiece 4.5 cm2 (40mm x 10mm) surface area (six (6) Sapphire Filters)	-DELETED-
11	It should have spectrum range 410nm - 1200 nm.	It should have spectrum range should lie in between 410nm - 1200 nm.
12	It should have multiple filters and treatment indication	It should have multiple filters with uninterrupted usage

	(s) like;	for 5 years and treatment indication(s) like:
a)	410nm-1200 nm (Acne) optional	In between 410nm - 1200 nm (Acne) optional
b)	510nm-900 nm (Pigmented Lesions)	In between 510nm - 900 nm (Pigmented Lesions)
c)	560 nm-1200 nm (Skin Rejuvenation; Wrinkles)	In between 560 nm - 1200 nm (Skin Rejuvenation; Wrinkles)
d)	580 nm-580 nm (Vascular Lesions)	In between 500 nm - 600 nm or more (Vascular Lesions)
e)	640 nm-1200 nm (Hair Reduction)	In between 640 nm - 1200 nm (Hair Reduction)
f)	690 nm- 1200 nm (Hair Reduction Skin Type V-VI)	In between 690 nm - 1200 nm (Hair Reduction Skin Type V - VI)
13	It should have repetition rate 0.33 to 1 Hz.	It should have repetition rate 1 Hz or more
14	It should have integrated contact cooling adjustable (Ambient Temp. to -10 degree C) with filtered water circulation system.	It should have integrated contact cooling adjustable with filtered water circulation system
15	It should have capacitor 60,000 MF Capacitance.	It should have capacitor of 50,000 MF or more Capacitance
18	Supplier Should provide as suitable UPS with equipment.	Supplier should provide a suitable online UPS of 3KVA with at least 30 mins backup.
19	Should be USFDA or European CE/BIS approved product.	Should be USFDA or European CE with 4 digit notified body /BIS approved product.

All other specifications shall remain unchanged.

Name of Item& No.: **23, Radiofrequency Ablation (RFA) Machine**

Department: Dermatology Department

All specifications shall remain unchanged

Name of Item& No.: **24, Trinocular Microscope with Camera Attachment**

Department: Dermatology Department

All specifications shall remain unchanged

Name of Item& No.: **26, Full Body UV Phototherapy Device**

Department: Dermatology Department

Specification Sr. No.	Tendered Specification	To be Read As
	Full Body UV Phototherapy Device	Hand and Foot UV Phototherapy Device with NBUVB Lamps

All specifications shall remain unchanged.

In the view of the above the bid submission date is extended as given below scheduled of all items except for **Item 01** ESWL, **Item 11** MWD Plus ILT combo Unit, **Item 12** Shock Wave, **Item 20** Transcranial Doppler, **Item No. 37** MTP Suction **Item 53 - 80** Deep Freezer **Item 56** Tilt Table **Item 73** Craniomaxillofacial Trauma Instruments **Item 83** Volumetric Infusion Pump **Item 84** Syringe Infusion Pump **Item 91** Electronic Blood Cell Counter.

Sr. No.	Detail	Existing Date and Time	To Read As
I	Closing date & time for receipt of Tender	06.01.2021, 14:30 hrs IST	13.01.2021, 14:30 hrs IST

II	Time and date of opening of Techno – Commercial tenders	07.01.2021 , 15:00 hrs IST	14.01.2021 , 15:00 hrs IST
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All other terms and conditions of the tender enquiry documents including Amendments issued so far shall remain unchanged.

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

**CGM (PROC.)
HSCC (I) LTD**