

**HSCC (I) Ltd**

**Extension of Bid Submission/Amendment- XXIII Dated 03.02.2021**

**Ref. IFB No: HSCC/AIIMS-RAEBARELI/Hospital/07/2020 Dated : 04.09.2020**

**Extension of Bid Submission Date**

The Pre bid meeting queries are pending for Item no. 29,30 for (**Pediatrics Department.**) Therefore their bid submission date for all above items is extended from 03.01.2021 to 10.02.2021

Item no. 18 (Green Laser for ophthalmology Deptt.) whose pre-bid queries have been issued, its bid submission date is extended for 03.02.2021 to 10.02.2021

**Item No:- 19**

**Name of Item:** ENT Workstation

**Revised Specifications for ENT Workstation**

**Main Unit**

- 1.Durable steel casing, non rusting, long lasting
- 2.Large instrument surface made of stainless steel with dividers and heating system to heat the instruments, laryngeal mirrors and endoscopes.
- 3.Device to Heat the laryngeal mirrors
- 4.Compressed air system continuously adjustable from 0.1 to 2.5 bars for spray and politzer, spray liquid with autoclavable nozzle for cleaning
- 5.Handle for compressed air should be having a regulation valve
- 6.Medication reservoir be made of stainless steel, should be detachable and suitable for all type of medications.
- 7.Stainless steel tank for compressed air of capacity of 1.5 or more
- 8.Compressor unit should be completely separate from suction unit
- 9.Inbuilt motor suction unit with capacity of MINIMUM 35 litersper minute with maximum 92% vacuum.
- 10.Should have a vacuum gauge, bacterial filters, 1.5 liters liquid container and effective device to prevent overflow.
- 11.Suction tube should have automatic on off switch and small ear rinse funnel
- 12.Warm water rinsing Device with autoclavable stainless steel handle with snap closure system and fine spray regulation valve

13. separate stainless steel tank to prevent mineral build up and heat up to 38 degree temp
14. Cold water irrigation through existing water connection
15. Automatic liquid container discharge system should be provided
16. Suction tube cleaner with exchangeable re-usable adapter.
17. X-ray viewer integrated in a writing draw with automatic on /off switch (optional)
18. Dispenser for cotton and paper
19. provision for attachment of microscope
20. Equip with waste container
21. Endoscopy centre with cold light source with two outlets  
LED/XENON/HALOGEN light bulb-3.5 volts with 5 spare bulbs.
22. Head light with fibro-optic cable to be used  
with above light source for examination
23. Head light rest made of stainless steel
24. Two warming quivers for rigid endoscope-should be removable for autoclaving and cleaning
25. automatic on/off switch for single light outlet with light barrier
26. Large writing surface
27. Draw for computer key board along with swivel support for computer monitor
28. Power supply 220-240 volts/50 Hz
29. Integrated Mono and Bipolar cautery system with all cables & probes/forceps.
30. pneumatic bag for seigelisation of TM.
31. 8 REUSABLE AND AUTOCLAVABLE speculum set of 4 or 5 -2 set of each otoscope.
32. Fibre optic otoscope with all size speculums including seigel<s pneumatic speculum.
33. NUMBER OF DRAWER WITH UV STERILIZATION-MINIMUM 1
30. The Equipment should have 05 years comprehensive warranty.

#### **ENT EXAMINATION MICROSCOPE**

1. Unit mounted
2. The ENT Examination Microscope with integrated, fanless high transmission, high performance LED
3. illumination in the microscope head.
4. Integrated, fanless high performance while light LED Luminescence: Min. 120klux (200mm), 30klux (400mm), colour temp. 5500k.
5. In built LED light source with SD Camera with facility to take images, video & transfer the same to any smart phone
6. Mechanical support arm for the microscope.
7. Expandable with scale projection at the image plane with option of green filter Objective:200mm (fine

focusing).

8. Objective with manual fine focusing.
9. magnification 3-4 times, 5 STEP MAGNIFICATION CHANGER.
10. Beam splitter with universal endoscope camera head adapter

Visualization

- 1.HD Camera with facility to record, take image and transmit the same to smart phone/PC/Laptop.
- 2.Wide field eyepiece 16x magnification.
- 3.Colour filter green with pivot mechanism.
4. Monitor holder, HD Monitor(minimum 24 inch), lateral double hand grip.
- 5.automatic white balance function

#### **ENT PATIENT EXAMINATION CHAIR**

- 1.Should be motorized and ergonomically designed examination and treatment chair facilitating the posture of both doctor and patient. There should be provision for manual override.
- 2.Heavy base casing
- 3.All elements of chair should be anatomically shaped
- 4.Seat should have motorized lifting device
- 5.Seat should have height adjustment for children
- 6.Integrated foot switch for easy adjustment of height
- 7.Should have complete rotation 340-360 degree with locking device
- 8.Should be comfortably padded and folded back for enabling easy sitting of overweight and handicapped patient
- 9.Head rest-15cm with adjustable height.
- 10.Backrest adjustable and can be made to incline 10 degree forward to vertical position and backward completely to a horizontal position and can be rolled back
- 11.Movement of armrest and footrest should be synchronized with backrest movement
- 12.Chair should confirm to CE mark/BIS
- 13.Power supply:220-240Volts/ 50Hz.
14. The Equipment should have 05 years comprehensive warranty.

#### **DOCTORS EXAMINATION CHAIR**

- 1.Wide base, should have rolling casters for easy movement

2. Should have back rest
3. Easy height adjustment of hydraulic nature
4. Comfortably cushioned seat

#### **RIGID ENDOSCOPES**

Should be integrated in main unit .

- 2 cold light source outlets
1. 4mm/0 & 30 degree nasal endoscope-1no.
2. 2.7mm/0 & 30 degree nasal endoscope-1no.
3. Magnifying 90 degree Laryngoscope with facility to focus manually-1no.
4. Ear endoscope [aural endoscope]: 3mm-diameter/ 6cm length/ 0 degree-1no.
5. Ear endoscope [aural endoscope]: 3mm-diameter/ 6cm length/ 30 degree-1no.
6. All above endoscopes should be wide angle & autoclavable
7. Co-axial fibro-optic light cable/2.5mm diameter-1no.
8. The Equipment should have 05 years comprehensive warranty.

#### **Stroboscopy (Integrated)**

1. The LED Stroboscope should be noiseless with flash light & pilot light for vocal cord diagnostics based on LED technology.
2. The LED Stroboscope should have the variable phasing & slow motion mode, adjustable with footswitch.
3. Should display voice frequency, sound pressure level, audio output for archiving the voice signal including attachable laryngoscope, microphone should also have a body sound adaptor for voice aesthetic patient (stethoscope adaptor for clip microphone for a better connection of the microphone signal to the stroboscope control.
4. The flash frequency should be 70-1000Hz. Without reduction, sound level metering range 70-125Db+/- 1Db, operating modes, continuous light, slow motion 0.5-2Hz. Frozen image 0 deg.-400deg., hunting over the footswitch adjustable, light durable approx. 50,000 hrs.
5. The system should have integrated LED light source, light durable approx. 50,000 hrs., brightness 220klux/175Lumen, length of cable 1.9mt.
6. The system should indicate the status of light-pilot light, flicker & slow motion.  
Should have incorporated global shutter technology to be used for stroboscopy

### **Display and recording system**

1 Unit mounted, High revolving 1/3" CCD/CMOS camera system resolution (1920\*1080) with high light intensity with HD-LED monitor (min. 24").

Software

1.1no. Acoustic Analysis/Recording of the voice signal (Multi Dimensional Voice Profile (MDVP)

voice software, archiving & recording the voice and taking report.

2.1no. PC (Personal Computer) should consist of a CPU, Keyboard, & Mouse of installation of the

software.(i5 processor, 4 GB RAM, 1 TB storage)

Heavy duty handles with charger and chargeable long life battery with spare battery.

Compatible System for easy recording of images and videos in HD digital formats. Easily transferable to

External hard drives and USB pendrives/storage cards without losing resolution.

Complete System/Equipment should be European CE/USFDA approved.

Complete System should have 05 years comprehensive warranty.

All electrical parts/joints should be well concealed within the cabinet for easy wash and cleaning of the chair and floor without danger of electric shock/leak.

System should be fully functional with all necessary software and hardware.

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.

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.

Demo must be provided

### **Item No. 20**

#### **High frequency low temperature radiofrequency cautery for ENT**

1.Frequency : 1.7 MHZ and 4 MHZ

2.Power output : 120 WATTS.

3.No need for ground contactor skin contact of antenna plate.

4.Finger switch & foot switch activated.

5.4 wave forms

6.Fully filtered waveform

7.Fully rectified waveform.

8.Partially rectified waveform

9.Fulguration

10.For cut, coagulation, hemostasis, fulguration,

11.Bipolar cautery.

Bipolar cut mode-80 W or higher

Bipolar coag-macro 100 W and precise 50 W

Monopolar cut- Unmodulated 100W

Modulated 80 W

Monopolar coag- contact and spray mode should be present  
Probes

1. Micro-Larynx RF Probes
2. Ear RF Probes
3. Tonsil/adenoids RF Probes
4. Nasal surgery RF Probes
5. Oral surgery RF Probes
6. Bayonet RF Turbinate Volume Reduction Electrode
7. Bayonet Electrodes
8. Tongue Base Reduction Electrode
9. Cleaning Brush for Suction Probe
10. Angled Suction Coagulator
11. Suction Coagulator

All probes and electrodes should be autoclavable and reusable.

The unit should contain all the accessories required for performance of ENT, head & neck surgeries

The unit should be European CE /US (FDA)/BIS approved.

The Equipment should have 05 years of Comprehensive Warranty.

DEMO MUST BE PROVIDED

**Complaints should be attended properly, maximum within 8 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 atleast 10 years from the date of supply of equipment.**

**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**

**Item No:- 21**

**Name of Item:** Facial Nerve Monitoring/Stimulator System

**Department:** 1 no. ENT Department + 1 no. for Neurosurgery Department

Qty Required: 02

Specification shall remain unchanged.

**Item No:- 22**

**Name of Item:** Basic ENT Examination unit with Motorized Patient Chair with Microscope

**Revised specifications for Basic ENT Examination unit with Motorized Patient Chair with Microscope**

- User friendly design harboring common ENT instruments in a tray with suitable cover
- Facilities to attach additional items such as endoscopes, suction, irrigation facility and microscope
- Power consumption 150-300W· Voltage 220V/60Hz
- Dimensions W800 X L 455X850mm approx
- Compressor pump 1.5kg/sq cm
- Weight 80kg
- Anti fog device 500W
- Suction pump 3000cc
- Light source 150W X 24V
- Telescope 4mm, 0 degree and 45 degree (1 each)- .All above endoscopes should be wide angle & autoclavable .Co-axial fibro-optic light cable/2.5mm diameter-1no.
- The Equipment should have 05 years comprehensive warranty.

**Microscope-**

1.Integrated, fanless high performance white light LED Luminescence: Min. 120klux (200mm), 30klux (400mm), colour temp. 5500k.

2.Optimized stereo effect by 24mm stereo basis.

3. In built LED light source with HD Camera with facility to take images, video & transfer the same to any smart phone via wi-fi card.

4. Mechanical support arm for the microscope.

5. Expandable with scale projection at the image plane with option of green filter Objective: 200mm (fine focusing).

6. Objective with manual fine focusing.

7. Wide field eyepiece 16x magnification.

8. Colour filter green with pivot mechanism.

9. The ENT Microscope should be on castors with locking system, lateral double hand grip.

10. Monitor holder, HD Monitor (min-24 inch)

**Doctors' chair:** pneumatic foot operated with 4 or 5 wheels (castor) with brake

**Patient chair-** electrically operated ENT examination cum treatment chair. Electrical/hydraulic

height adjustment lifts 20cm with foot switch control. Upper part should be swiveling all around and fixable with a brake. The tall back rest should be adjustable forward beyond vertical line and backward to varying degree to the desired position even slightly more than horizontal, changing into a long and stable couch. Arm rests should be sturdy and can be swiveled backwards.

**Standard accessories**

- Head light with adjustable head band (halogen) with suitable fibre optic cable

- Spray-2

- Suction-1

- Waste receptacle-1

- Medicine bottles-6

- Instrument tray- 2 or 3

- Pen light- 1

- Anti fog- 1

The complete equipment should be USFDA or international CE approved and all parts /accessories should be manufactured by

single parent company.

All electrical parts/joints should be well concealed within the cabinet for easy wash and cleaning of the chair and floor without danger of electric shock/leak.

System should be fully functional with all necessary software and hardware.

Complaints should be attended properly, maximum within 8 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.

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.

Demo must be provided

Complete System should have 05 years comprehensive warranty.

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/CPMP Website for the Corrigendum/amendments etc. if any, as these will be notified on these portals only. No separate advertisement will be published in the newspaper in this regard.

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