

## **Clarification Regarding Technical Specifications**

**Date: 16/01/2014**

**Subject: Clarification regarding Technical Specifications**

**Ref: (i) Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/08/13-14 dated 19/12/2013  
(ii) Amendment No.1 dated 11/01/2014.**

**The following clarifications regarding technical specifications are made further to those referred above.**

### **Section – VII** **Technical Specifications**

#### **Schedule no. 5** **Specifications for Laparoscopic Surgery Set with High Definition Camera**

**1.Existing specifications-**

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

**Read as:**

**Para 7.1** Should be **US FDA or European CE product.**

#### **Schedule no. 19** **E.N.T. OPERATING MICROSCOPE**

**1.Existing specifications-**

**Para 1.** Heavy Mobile floor stand with mechanical brakes and good counter weight balancing system and locking device.

**Read as:**

**Para 1.** Heavy Mobile floor stand with **mechanical/Magnetic** brakes and good counter weight balancing system and locking device.

**2.Existing specifications-**

**Para 5.** Field of View 25 mm to 150 mm continuously variable.

**Read as:**

**Para 5.** Field of View **10 mm to 150** mm continuously variable.

**3.Existing specifications-**

**Para 6.** Objective lens for 200mm,300mm and 400mm

**Read as:**

**Para 6.** Objective lens working distance **200-500 mm**, with multifocal objectives ( 200mm for otology, 300 mm for rhinology and 400mm )

**4.Existing specifications-**

**Para 7.** Tilt able Binocular tube up to 180 degree (workable distance 200-500mm)

**Read as:**

**Para 7.** Tilt able Binocular tube up to 180 degree

**5.Existing specifications-**

**Para 14.** Integrated Three chip HD camera

**Read as:**

**Para 14. Suitably mounted /** Integrated Three chip HD camera

**6.Existing specifications-**

**Para. 18.** Trolley to station recording device etc.

**Read as:**

**Para. 18.** Trolley to keep CD/DVD recording device etc.

**7.Existing specifications-**

**Para.23.** All accessories should be from the same manufacturer and should be European CE/ US FDA approved

**Read as:**

**Para.23.** All accessories **except CVT** should be from the same manufacturer and should be European CE / US FDA approved.

**Schedule no. 20**  
**Pure Tone Audiometer**

**1.Existing specifications-**

**Para. 1. e.** Bekesy test

**Read as:**

**Deleted**

**2.Existing specifications-**

**Para 1 . g.** Channel Master Hearing Aid

**Read as:**  
**Deleted**

**3. Added Para.**

Audiometer should have:-

1. Facility to connect printer directly.
2. Mention availability of Audiogram display.
3. Should have internal memory for 500 patients.

**Schedule no. 21**  
**Impedance Tympanometer**

**1.Existing specifications-**

**Para. 12.** Intensities Contra Lateral- 70 to 120 dbHz (with TDH39 )

**Read as:**

**Para. 12.** Intensities Contra Lateral- 70 to 120 dbHz

**2. Existing specifications-**

**Para.18.** Memory- Test Result of both ears

**Read as:**

**Para.18.** Memory :test results of minimum 20 cases.

**3. Existing specifications-**

**Para. 19.** Probe - Light weight, adjustable, Hand Held , With Built in control light & switch

**Read as:**

**Para. 19.** Probe - Light weight, Hand Held , With Built in control light & switch.

**Schedule no. 22**  
**Otoacoustic Emission (Screening unit)**

**1. Existing specifications-**

**Para.1. (iv).** Window of analysis- 5-13 ms post stimulus

**Read as:**

**Deleted**

**2. Existing specifications-**

**Para 2.(xiii).** SPL (TEOAE).

**Read as:**

**Para 2.(xiii).**

**Deleted**

**2. Existing specifications-**

**Para 2.(ix).** Database for at least 1000 tests

**Read as:**

**Para 2.(ix).** Database for at least **200 tests**

**3. Existing specifications-**

**Para 2.(xv).** Power supply: (4) AA/UM-3/R6 - alkaline (6V total)

**Read as:**

**Para 2.(xv).** Power supply: (4) AA/UM-3/R6 - alkaline, lithium.

**4. Added Para-**

- 1) It should be upgradable to diagnostic DPOAE and TEOAE
- 2) Should have cavity test to check probe maintenance.
- 3) Should have adjustable noise floor.
- 4) Should have neonate modes for newborn hearing screening
- 5) Should have ear tips of different size & both foam types.
- 6) OAE should be upgradable.

### **Schedule no. 23**

### **Brainstem Evoked Response Audiometer (BERA) with ASSR**

**1. Existing specifications-**

**Para1. X.** Soft attenuator.

**Read as:**

**Deleted**

**2. Existing specifications-**

**Para 1. xviii.** Essential facility for OAE and NCT and should be upgradable to VNG

**Read as:**

**Para 1. xviii.** Essential facility for OAE and NCT.

**2. Existing specifications-**

**Para2. viii.** Accepted electrode offset > 300mV.

**Read as:**

**Deleted**

**3. Existing specifications-**

**Para2 ix.** Power from main unit.

**Read as:**  
**Deleted**

**4. Existing specifications-**

**Para 2. xi.** Measuring Current 25uA.

**Read as:**  
**Deleted**

**5. Added Para-**

- 1) Should have adjustable Intensity- Latency norms
- 2) Should have stimulus type; should be- klik, pure tone & Filter.

**Schedule no. 24**  
**Endoscopic Sinus Surgery Set**

**1. Existing specifications-**

**Para B. 4.** Unit should be compatible with Communication Bus system for remote controlled operation of the various features along with other equipment. .

**Read as:**

**Para B. 4.** Unit should be compatible for **remote controlled operation** of the various features along with other equipment.

**Schedule no. 25**  
**Shaver System Cum Micro Drill**

**1. Existing specifications-**

**Para A (2&5):** It should be fully upgradable to one unit- six functions:  
2. INTRA Drill  
5. Intranasal Drill

**Read as:**

**Para A (2&5):** It should be fully upgradable to one unit- six functions:  
**Drill for Otology/NASAL/DCR & Skull Base Surgery**

**2. Existing specifications-**

**Para A 4:** It should be fully upgradable to one unit- six functions:  
4. Micro saw

**Read as:**

**Para A 4:** It should be fully upgradable to one unit- six functions:  
4. Micro saw (**Oscillating type**)

**3. Existing specifications-**

**Para.B. 4:** Maximum Revolution for Shaver mode should be 10000 rpm.

**Read as:**

**Para.B. 4:** Maximum Revolution for Shaver mode should be **5000 rpm or more**

**4. Existing specifications-**

**Para.B. 10:** Along with 2 blades each straight and curved(45deg)

**Read as:**

**Para.B. 10:** Along with blades (2 each) – straight, curved (**45, 60 & 90 degrees**) and circular (laryngeal)

**5. Existing specifications-**

**Para.B. 11:** 2 pedal foot switch

**Read as:**

**Para.B. 11: Multifunction** foot switch

**6. Existing specifications-**

**Para.C:** Handpiece clean & oil injection machine(350ml capacity)

**Read as:**

**Para.C: Handpiece Maintenance kit**

**7. Existing specifications-**

**Para. E.** Drill bit Cutting/polishing 0.6/1.0/2.0/3.0/4.0/5.0/6.0/8.0 mm **04 each**

**Read as:**

**Para.E.:** Drill bit Cutting/polishing **0.5 or 0.6/1.0/2.0/3.0/4.0/5.0/6.0/7.0 or 8.0 mm 04 each**

**8. Existing specifications-**

**Para. F.** Saw blades – 04 nos

**Read as:**

**Para.F.:** Saw blades – 04 nos (**Separate handpiece for SAW to be provided**)

**9. Added Para.** The equipment should be **European CE or US FDA approved.**

**Schedule no. 26**

**Full HDTV Endoscopic video camera with Recording**

**1. Existing Specifications-**

**Para. 1.f.** The system should have the facility to use a single camera control unit for all camera heads (either single chip or three chip) thus minimizing preparation & maximizes interspeciality Standardization.

**Read as:**

**Para. 1.f.** The system should have the facility to use a single camera control unit for **three chip HD** camera heads, thus minimizing preparation & maximizes interspeciality Standardization.

**2. Existing Specifications-**

**Para. 1.j.** Should have USB/ Image capture interface for direct storage of still/ video sequences

**Read as:**

**Para. 1.j.** Should have USB/ Image capture interface for direct storage of still/ video sequences **with facility for recording.**

**3. Existing Specifications-**

**Para. 2.a.** Image sensor: 3X1/3" " CCD-Chip.

**Read as:**

**Para. 2.a.** Image sensor: 3X1/3" " CCD-Chip **with aspect ratio of 16:9 for full HD display**

**4. Existing Specifications-**

**Para. 3.a.** HDTV display in original 16: 10 HDTV format.

**Read as:**

**Para. 3.a. Medical grade** display in original 16: 10/16:9 HDTV format.

**5. Existing Specifications-**

**Para. 3.c.** HD LCD crystal display

**Read as:**

**Para. 3.c. Medical grade** HD LCD/LED/TFT display.

**6. Existing Specifications-**

**Para. 3.g.** Should have USB image capture module interface for direct transfer of still and video images.

**Read as:**

**Para. 3.g.** Should have USB image capture module interface or **any other port** for direct transfer of still and video images.

**7. Added Para. Trolley for the whole unit supplied from the same principal manufacturer.**

**Schedule no. 27**  
**Ear Surgery Instruments**

**1. Existing Specifications-**

**Para.6** The instrument should be CE & FDA approved

**Read as:**

**Para. 6.** All the instruments should be **European CE or USFDA approved.**

**2. Added Para. Items of SI no**

**8,9,10,38,39,40,41,42,66,76,77,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,118,121,122,  
123,124,125,126,127,128,129,130,131,132,133,134 (TITANIUM)**

**Schedule no. 30**  
**Bronchoscopy Set**

**1. Existing Specifications-**

**Para.6** The instrument should be CE & FDA approved

**Read as:**

**Para. 6.** All the instruments should be **European CE or USFDA approved.**

**Schedule no. 31**  
**Esophagoscope**

**1. Existing Specifications-**

**Para.6** The instrument should be CE & FDA approved

**Read as:**

**Para. 6.** All the instruments should be **European CE or USFDA approved.**

**Schedule no. 32**  
**Flexible Rhino-Pharyngo Laryngoscope**

**1.Existing specifications-**

**Para B.3:** Working length: 20-25 cm

**Read as:**

**Para B.3:** Working length: 20-25 cm or **better**

**2. Existing specifications-**

**Para B.6:** Deflection: Upward 160-180 deg, Downward 80-100 deg.

**Read as:**



**Para B.6:** Deflection: Upward **upto 160 deg**, Downward **upto 150 deg**.

**Schedule no. 33**

**VIDEO-LARYNGOSCOPE**

**1. Existing specifications-**

**Para 1.** The system should provide a compact and at the same time multifunctional documentation unit. The system should have Hi-Lux high performance light source and the high resolution 12” integrated flat screen monitor. Additionally, the system should have integrated recording facility which can be controlled from the recording button on the handle of video laryngoscope. The system should provide the facility of recording up to 900 still images.

**Read as:**

**Para 1. The system should be multifunctional documentation unit. The system should have a high performance light source and high resolution min 12” Medical Grade monitor. The system should have recording facility which can be controlled from the recording button on the handle of video laryngoscope.** The system should provide the facility of recording up to 900 still images.

**2. Existing specifications-**

**Para 2A.:** Video Laryngoscope PAL:

- ii. Angle of view: 85 deg.
- iii. Depth of view: 3-50 mm
- iv. Working length: 30 cm
- v. Outer diameter: 3.7 mm
- vi. Deflection: Upward 180 deg, Downward 90 deg.

**Read as:**

**Para 2A.:** Video Laryngoscope PAL:

- ii. Angle of view: **80-90 deg.**
- iii. Depth of view: **3-50 mm**
- iv. Working length: **minimum 30 cm**
- v. Outer diameter: **3.7 – 4.0 mm**
- vi. Deflection: **Upward 130-180 deg, Downward 90-130 deg.**

**3. Existing specifications-**

**Para 4.** The Video processor(Camera control Unit) should be able to produce, S-Video, Composite Video

**Read as:**

**Para 4.** The Video processor (Camera control Unit) should be able to produce, S-Video, Composite Video & **DVI Interface.**

**Schedule no. 34**

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

**1. Added Para:**

**All probes asked for should be autoclavable for reusing.**

**Schedule no. 35**  
**Videonystagmographic Machine (VNG)**

**1. Existing specifications-**

**Para 2.** Goggle with one camera and goggle with two cameras (non occluded and occluded view).

**Read as:**

**Para 2. 4 Channel system & Goggle with two cameras** (non occluded and occluded view).

**2. Existing specifications-**

**Para 6.** The instrument should be CE & FDA approved

**Read as:**

**Para. 6.** The instruments should be **European CE or USFDA approved.**

**3. Added Para:**

- i. VNG unit & Rotary chair for VNG from the same manufacturer.
- ii. Digital projector with screen for target viewing has to be included.

**All other terms and conditions of the tender enquiry remain unaltered.**