

## Amendment no. 01

Date: 18.11.2014

**Subject: Amendment no. 1 to the Tender Enquiry Document**

**Ref: Tender Ref: HLL/PCD/PMSSY-II/NAGPUR/02/14-15 dated 21.10.2014**

### SECTION I NOTICE INVITING TENDERS (NIT)

**For:**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	21.10.2014 to 21.11.2014, 1000 hrs to 1600 hrs IST
vi.	Closing date & time for receipt of Tender	24.11.2014, 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	24.11.2014, 1230 hrs IST

**Read as:**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	21.10.2014 to <b>03.12.2014</b> , 1000 hrs to 1600 hrs IST
vi.	Closing date & time for receipt of Tender	<b>04.12.2014</b> , 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	<b>04.12.2014</b> , 1230 hrs IST

**Note:**

- (i) If EMD is submitted in the form of BG, then the validity of the BG should be at least 165 days from the date of tender opening, i.e, upto 18.05.2015.

**SECTION - VI**  
**LIST OF REQUIREMENTS**

**Part I**

**For:**

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty required	CMC required
27	Neurosurgical & Spinal Surgery instruments (Craniotomy set, Microsurgical Instrument, Spinal stabilization set with spinal instrument set, Transsphenoid set)	Neuro Surgery SSH	1 set	2 sets	5 years	Yes
		Trauma Care	1 set			

**Read as:**

Sl. No	Item Name	Department	Quantity	Total Quantity	Warranty required	CMC required
27	Neurosurgical & Spinal Surgery instruments (Craniotomy set, Microsurgical Instrument, Spinal stabilization set with spinal instrument set, Transsphenoid set)	Neuro Surgery SSH	1 set	2 sets	5 years	<b><u>NO</u></b>

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

**Item No. 1 : Ultrasonic cutting and Coagulation device**

**Existing as :**

**Para 1.1 :** Ultrasound is the basis for an efficient surgical instrument: the cuts and coagulates by using lower temperatures than those used by electrosurgery or lasers. Controls bleeding by coaptive coagulation at low temperatures ranging from 50°C to 100°C: vessels are coated (tamponaded) and sealed by a protein coagulum. **It should have a facility of additional vessel sealing system attached in the same unit.**

**Read as :**

**Para 1.1 :** Ultrasound is the basis for an efficient surgical instrument: the cuts and coagulates by using lower temperatures than those used by electrosurgery or lasers. Controls bleeding by coaptive coagulation at low temperatures ranging from 50°C to 100°C: vessels are coated (tamponaded) and sealed by a protein coagulum.

**Existing as :**

**Para 3.10 :** Should be capable of sealing vessels atleast upto 5mm diameter.

**Read as :**

**Para 3.10 :** Should be capable of sealing vessels **at least up to 7mm diameter.**

**Item No. 11 : TECHNICAL SPECIFICATIONS OF HIGH END WHOLE BODY DEXA SYSTEM**

**Existing as :**

**Para 2 :** BMD Analysis of AP Lumbar Spine, Lateral Spine, Proximal Femur, Forearm, **Supine lateral BMD using integrated motorized rotating C arm**, dual hip, whole body composition of adult with subregion analysis, and subregion bone density, infant & pediatric whole body and small animal densitometry should be possible.

**Read as :**

**Para 2 :** BMD Analysis of AP Lumbar Spine, Lateral Spine, Proximal Femur, Forearm, **“Supine, lateral BMD using integrated motorized arm”**, dual hip, whole body composition of adult with subregion analysis, and subregion bone density, infant & pediatric whole body and small animal densitometry should be possible.

**Existing as :**

**Para 4 :** Spine, small animal & whole body phantoms. Suitable online UPS for equipment.

**Read as :**

**Para 4 : Whole body phantom should be available. For spine and small animal automatic calibration by system should be possible after each scan. Suitable online UPS for equipment.**

**Existing as :**

**Para 14 :\_UPS backup for > 30 minutes**

**Read as :**

**Para 14 : Deleted**

**Existing as :**

**Para 17 : Lead protection wall to be included**

**Read as :**

**Lead protection barrier with viewing window: 3 lead apron regular size with 0.5 mm lead. Lead lining of door, all windows to be done by bidder.**

**Existing as :**

**Para 18 : Transparent lead acrylic shield between source and operator**

**Read as :**

**Deleted.**

**Added para :**

**Model Offered should have AERB type approval.**

**Item No.13 :HOLTER MONITORS**

**Existing as :**

**Para 3.2 : Should provide continuous 12 Lead ECG capability that allows viewing and printing of a 12 Lead ECG from 3 channel ECG recording at any time during 24/28 hour recording. The same recorder should have the capability of having 3 lead ECG for 7 days.**

**Read as :**

**Para 3.2 :** Should provide continuous 12 Lead ECG capability that allows viewing and printing of a 12 Lead ECG from 3 channel ECG recording at any time during 24/28 hour recording. The same recorder should have the capability of having **3 or more lead** ECG for 7 days.

**Item No.17 : COMPUTERIZED MICROSCOPE SYSTEM DIGITAL HEAD WITH ZOOM OBSERVATION**

The title of schedule and specifications may be read as follows:

**Title: Binocular Microscope (For Faculty & Teachers)**

**Technical Specifications:**

1. Digital Research Microscope with CCD Camera.
2. Observation Tube - Siedentopf Trinocular, 30 deg inclined 360 deg rotatable. IPD range 52-75mm.
3. Eyepiece - Focusable WF 10x (18mm/ 20mm).
4. Revolving Quintuple nose piece (for objectives)
5. Objectives - RP Series Infinity Corrected Plan 4X, 10X,40X(Spring Loaded), 100X (Spring Loaded, Oil Immersion)
6. Illumination - 6V 20 W Halogen Lamp with 5 spare lamps
7. Image Device - 2/3" CCD Camera - Resolution 1.4MP or better with suitable mount
8. Light Sensitivity - 1 Lux
9. Interface - USB
10. Software - Image Analysis Software
11. System Requirements – Suitable PC having 19" Colour LCD/TFT Monitor, CPU: RAM: 4 GB or more, Hard Disk Space: 500 GB or more, CD/DVD-ROM drive and USB port 3.0. Power adapters/ cables etc for projection and LAN transmission.
12. Should be supplied with compatible colour printer.
13. Manufactures/Supplier should have ISO certificate to Quality Standard.
14. Should be FDA/CE approved product.
15. Equipment should be installed and demonstrated.
16. Training should be given to atleast two faculties.

**Item No. 18 : DECA HEAD TEACHING MICROSCOPE**

**Existing as :**

**Para H) ILLUMINATION:** Built-in kohler illumination 12v-100w **halogen lamp/ high intensity LED** source, pre-centered and pre-focused.

**Read as :**

**Para H) ILLUMINATION:** Built-in kohler illumination 12v-100w **halogen lamp** pre-centered and pre-focused.

### **Item No. 20 : Projection Microscope**

**Existing as :**

**Para 10 :** Trinocular tube with inclination of 30deg. with swiveling eyepiece tube and adjustable viewing height of at least 35mm. Interpupillary distance should be variable between 50mm to 74mm or better . The Trinocular tube should have beam splitting ratio of 50% for observation and 50% for documentation.

**Read as :**

**Para 10 :** Trinocular tube with inclination of 30deg. with swiveling eyepiece tube and adjustable viewing height of at least 35mm. Interpupillary distance should be variable between 50mm to 74mm or better . **The Trinocular tube should have beam splitting ratio of 50% / 20% for observation and 50% / 80% for documentation.**

**Existing as :**

**Para 14 :** Digital microscopic Camera with 5 Megapixel and resolution of 2560X1920, pixel size 2.2 um X 2.2um.

**Read as :**

**Para 14 :** Digital microscopic Camera with 5 Megapixel and resolution of 2560X1920, pixel size 2.2 um X 2.2um. **Camera and Microscope should be from the same manufacturer.**

### **Item No.24 : PNCL SET**

**Existing as :**

**Para 1 :** Operating telescope with laterally offset eyepiece, 12 degs, 14 Fr. instrument channel, automatic valve with sealing Membrane and sealing cap – 01

**Read as :**

**Para 1 :** Operating telescope with laterally offset eyepiece, **30 deg., 14 Fr - 14.5 Fr working channel dia.,** automatic valve with sealing Membrane and sealing cap – 01

**Existing as :**

**Para 2 :** Sheath 20,8 Fr. round, distal tip straight, with swiveling irrigation Connector and automatic locking mechanism - 01.

**Read as :**

**Para 2 :** Outer sheath from **20.8 Fr - 25 Fr** round, distal tip straight, with swiveling irrigation Connector and automatic locking mechanism - 01

**Existing as :**

**Para 3 :** Amplatz sheath 24,3 Fr. suitable for nephroscopes with Sheath up to 24 Fr., WL 150 mm - 01.

**Read as :**

**Para 3 :** Amplatz sheath **23 Fr – 24.3 Fr** suitable for nephroscopes with Sheath up to 24 Fr., WL 150 mm – 01.

**Existing as :**

**Para 7 :** Stone grasping forceps, diam. 3.5 mm, working length 350 mm – 01

**Read as :**

**Para 7 :** Stone grasping forceps, **diam. upto 3.25 - 3.5 mm** , working length 350 mm - 01

**Item No.27 : NEUROSURGICAL & SPINAL SURGERY INSTRUMENTS**

**Existing as :**

**Para :** Aneurysm set: Line 8 - 57

**Read as :**

**Para :** Aneurysm set: Line 8 – 57 . **YASARGIL or Sagita preferable.**

**Item No.32 : MULTIPARA MONITOR with ICP Monitoring**

**Existing as :**

**Para :** Automatic Zoom In Facility in the monitor display.

**Read as :**

**Para : Automatic / manual** Zoom In Facility in the monitor display.

### **Item No. 35 : Flexible Rhino-Pharyngo Laryngoscope**

**Existing as :**

**Para 4 :** Instrument channel diameter – 1.5 -2.0mm

**Read as :**

Instrument channel diameter – **1.5 -2.2mm**

**Existing as :**

**Para 8 :** Depth of field 2mm to 55mm

**Read as :**

**Para 8 :** Depth of field **5mm to 50mm**

**Existing as :**

**Para 10 :** Cold light source – 175 Xenon lamp, light source, voltage 230V, lamp – with reflector type of lenses – condenser type, variable light intensity with heat absorbing filter, constant colour, 1 spare xenon lamp and spare fuse.

**Read as :**

**Para 10 :** Cold light source – **300 W Xenon lamp**, light source, voltage 230V, lamp – with reflector type of lenses – condenser type, variable light intensity with heat absorbing filter, constant colour, 1 spare xenon lamp and spare fuse.

**Existing as :**

**Para 12 :** Camera – **Three chip** camera system with sensitivity 1.5 Lux with 220 V console, camera head and focusing coupler, resolution 500 horizontal lines, signal to noise ration 55dB, white balance control on camera head, inbuilt image enhancer, flex filter to use flexible scope.

**Read as :**

**Para 12 :** Camera – **HD** camera system with sensitivity 1.5 Lux with 220 V console, camera head and focusing coupler, resolution 500 horizontal lines, signal to noise ration 55dB, white balance control on camera head, inbuilt image enhancer, flex filter to use flexible scope.

**Existing as :**

Para 13 : Medical grade color monitor.

**Read as :**

Para 13 : Medical grade color monitor : **Size of monitor should be 15" or more**

**Item No. 36 : Pulse Oximeter**

**Existing as :**

Para 7 : Large bright display(More than 5 inch) readable from more than 6 feet distance.

**Read as :**

Para 7 : Large bright **LCD/TFT** display(More than 5 inch) readable from more than 6 feet distance.

**Existing as :**

Para 18 : Should have RS 232C port for data transmission.

**Read as :**

Para 18 : Should have **RS 232c / Multifunction** port for data transmission.

**Existing as :**

Para 19 : Signal averaging time 4 to 12 sec.

**Read as :**

Deleted.

**Item No. 39 : Defibrillator with Internal Paddles**

**Existing as :**

Para 3.2 : Should monitor ECG through external paddles, pads and monitoring electrodes and defibrillate through pads and paddles. Should have Automatic Lead switching to see patient ECG through paddles or leads.

**Read as :**

**Para 3.2 :** Should monitor ECG through external paddles, pads and monitoring electrodes and defibrillate through pads and paddles. Should have **Automatic / manual Lead switching** to see patient ECG through paddles or leads.

**Existing as :**

**Para 3.10 :** Should be capable of printing Reports on Event summary, configuration, self-test, battery capacity etc.

**Read as :**

**Para 3.10 :** Should be capable of printing Reports on **Event summary, configuration, self-test, etc.**

**Item No. 40 : Portable Ventilator**

**Existing as :**

**Para 2.2 :** Should be microprocessor controlled, portable, light weight. Should operate with main electric supply as well as with battery. Should be able to work both with high pressure O2 (cylinders and pipeline) and low pressure O2 source, connectors and high-pressure tubing of appropriate length to be supplied.

**Read as :**

**Para 2.2 :** Should be microprocessor controlled, portable, light weight. Should operate with main electric supply as well as with battery. **Should be able to work with high pressure O2 (cylinders and pipeline) and / or low pressure O2 source, connectors and high-pressure / low-pressure tubing of appropriate length to be supplied.**

**Existing as :**

**Para 3.4 :** Should have following settings  
**b. "PEEP/CPAP- 0-40cm H2O PS- 0-60cm H2O"**

**Read as :**

**Para 3.4 :** Should have following settings  
**b. "PEEP/CPAP- 0-40cm H2O PS- 3-60 cmH2O"**

**Existing as :**

**Para 4.5 :** Air Hose-01

**Read as :**

Para 4.5 : Deleted

**Item No. 42 : Head light with Xenon cold light source**

**Existing as :**

Para 2 : Adjustable spot light 15mm to 100mm

**Read as :**

Para 2 : Adjustable spot light 15mm to 100mm (+/-10% variation acceptable)

**Item No. 43 : CO2 laser system**

**Existing as :**

Para : CO2 Models : 30/40/30 ST/40 ST (ST – with SurgiTouch system)

**Read as :**

Deleted.

**Existing as :**

Para : "Laser operating Modes :Continuous Wave (CW), Pulse, Superpulse"

**Read as :**

Para : "Laser operating Modes : **Continuous Wave (CW), Pulse, Superpulse/ Hyperpulse**"

**Existing as :**

Para : CW Power: 1-30 W / 1-40 W

**Read as :**

Para : CW Power: **1-30 W**

**Existing as :**

Para : "Super pulse average Power : 0.5-10 W / 0.5-15 W (Timed : 0.2-10 W / 0.2-15 W) "

**Read as :**

**Deleted**

**Existing as :**

**Para :** "Pulse average Power: Peak Power: 300 W / 350 W "

**Read as :**

**Deleted**

**Existing as :**

**Para :** "Pulse average Power 1-25 W / 1-35 W "

**Read as :**

**Deleted**

**Existing as :**

**Para :** "Tissue Exposure models "

**Read as :**

**Deleted**

**Existing as :**

**Para :** Memory Setting: Min. 100

**Read as :**

**Para :** Memory Setting : **50 – 99**

**Added para :**

- 1. Exposure time- 0.5 Sec- 99 mili Sec.**
- 2. Pulse Width range 50  $\mu$  sec.- 20,000  $\mu$  sec.**

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