

# Corrigendum-1

## In tender document of "Tender for ENT Workstation"

Pre-bid meeting was held on 19-09-2014 at 03.30 PM, for ENT Workstation in the tender office three representations received from M/s Indian Representative Office, M/s Rohit Surgical and M/s Astra Meditech through e-mail.

On the representation of aforesaid firms the committee recommends for following modification (deletions/additions/replacements) in Tender Enquiry No. 24/ENT Work Station/Eqpt/59/2014-RISH (Admin) related to " ENT Workstation":-

Last date of submission of bids in respect of Tender for ENT Workstation is hereby **extended till 08-01-2015 and Technical bid will be open on same day at 03.00 PM** with following amendments :-

### **Replace page No. 18 to 20 and Read as:-** **ENT WORK STATION SPECIFICATIONS**

1. Durable, steel casing, non-rusting, long lasting **worktop**
2. Minimum 02 large pull-out trays with dividers located in compartment under hinged cover
3. At least 1 drawer with dividers
4. **Containers** for used instruments and waste
5. Min. 4 power sockets 230V
6. Right-handed use. Either mobile on castors or fitted as a fixture.
7. Operates on 230V ( $\pm 10\%$ ) – 50/60 Hz.
8. **Writing drawer/dressing plate/Xray viewer** preferably with illumination. Plateau for additional equipment like monitor, separate endoscopy recording system or such devices.
9. Extension fitted with **halogen head mirror lamp** with adjustable intensity.
10. Should be fitted with glove, cotton and tissue/ paper **dispenser drawer**.
- 11. Separate endoscopy recording system**
  - (i) For recording purposes for digital and video images with all essential software and essential back up and accessories.
  - (ii) The system should be compatible for attachment to the endoscope. Should be able to enter patient's details and to record and store for images.
  - (iii) Should have ability to generate avi and/or mpeg4 videos. Ability to generate jpeg and tiff images of at least 600 dpi.
  - (iv) Should be compatible with microsoft windows XP, 7, and/or the latest versions.
  - (v) Footswitch for freezing function
  - (vi) It should have custom designed shockproof special case for keeping the unit.
12. **Cautery** power output with banana sockets in front panel. Integrated with the main unit. 50 Watt high frequency electrosurgical unit, Monopolar accessories & set of cautery probes should be supplied.
- 13. Noiseless separate Suction system.**

Supplied with suction handpiece and tubing. Maintenance-free.  
Capacity : 55 ltr/min to 70 ltr/min, vacuum : -80 to -98kpa, with secretion collection of 1ltr/1.5ltr with automatic secretion canister evacuator system.  
Suction should have automatic start up feature while removing suction cannula adaptor from the support. Should have facility of hose rising the suction tube to avoid any growth of bacteria/fungus in the suction tubing. Suction Cannules 1.0 to 4.0 mm (Preferably 4 sizes).
14. **Compressed air system** complete with spray handpiece (autoclavable) with tubing and 3 spray bottles.
  - (i) Should have a tank for compressed air so that compressor is not required repeatedly.
  - (ii) Powder and liquid atomizers with holder for atomizers (nozzles removable)
  - (iii) Adjustable pressure by means of regulator valve
  - (iv) Automatically activated via sensor when handpiece is removed from its holder
  - (v) Manometer in front panel
  - (vi) Low maintenance
  - (vii) Max. pressure: 0.1 to 4 bar

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- (viii) Politzer olive universal sizes, fits directly into compressor handpiece
- (ix) Suction tube cleaner with exchangeable reusable stainless steel adapter.

15. **Telescopes** 0°, 30° (angle of view, 2.7mm and 4 mm diameter, 175 -180 mm working length), 70° (angle of view, 4 mm diameter, 175 -180 mm working length), otoendoscope 0° (Length 5-6cm approx, diameter 2.7mm). Disinfection and warming quivers for endoscopes preferably placed in extension arm (preferably for 4 endoscopes). Preheating quivers disinfection quivers, disinfection quivers, disinfection time control, removable and disinfectable quivers for flexible scopes.

16. **Warm water irrigation system** with for ear syringing and caloric testing. Electronic temperature control of water temperature. Autoclavable handles with snap closure system and fine regulation valve. Should preferably have a separate stainless steel tank. Should have sinus drainage tube as well as front canulas and a water supply hose and autoclavable water filter with cartridge.

17. **Ear rinse cup** with ear rinsing funnel with active motor system & automatic liquid bottle drainage system on swivel arm. Flow adjustable in ml per minute.

18. Pre-heater for up to 60 mirrors of different sizes mounted on pull-out tray. Removable block for sterilization. Mirror rewarmer with the single handed heating function.

### 19. Microscope

- (i) With 3 step magnification changer. (Zeiss)
- (ii) Mounted on ENT unit
- (iii) Switched on/off from control panel with dimmer
- (iv) Column
- (v) 10X Objing F = 200-300 mm with fine focusing
- (vi) Binaocular vision
- (vii) 3 to 5 step magnification changer
- (viii) Inbuilt LED light source in the camera head.
- (ix) SD Camera integrated mounted on microscope with a facility to take images, video with arching software & PC.
- (x) Digital Video Camera with PAL/NTSC video system, CCD sensor 1/3"
- (xi) Automatic white balance with control on base unit and also on camera. Integrated Zoom lens. Instrument coupling for rigid endoscopes. Enlarged view.
- (xii) Preset function keys on camera for control of functions and focus.
- (xiii) Switchable 110/115 VAC & 230/240 VAC
- (xiv) C-mount adaptor 28mm, waterproof
- (xv) Long camera cable 300cm.
- (xvi) 16" TFT monitor, LCD flat screen
- (xvii) Swivel arm mounted on microscope column for video monitor.

20. **Integrated fibre optic light source** for telescopes with 4 fibre optic cable with STORZ connection. Cold light source. Intensity adjustable from 50- 150W. Heat absorbance filter and ventilation system. Four outlets for light cable. It will be preferable if light source is placed near the endoscopic quivers.

21. **Fiberoptic head light.** Adjustable & comfortable head band vertical and side to side adjustable. Preferably automatic activation of head light. Approximately 300 cm fiberoptic chord. Focal length 20-30 cm. Adjustable light spot diameter. Spare lamp for head light. Compatible with light source housed in main unit.

22. **Doctor's Stool** with adjustable backrest and height

- (i) Pneumatic cylinder with height adjustable
- (ii) Min. seat height: 46 cm to 55cm
- (iii) Max. seat height: 50cm to 75cm
- (iv) 360° rotatable
- (v) Seat Ø 30 cm to 40cm
- (vi) Adjustable backrest (height and depth)
- (vii) Cross-type base
- (viii) Safety castors

**23. Patient Examination & Treatment Chair**

- (i) Motorized and ergonomically designed facilitating the postures of both Doctor and patient.
- (ii) Seat should have motorized lifting device.
- (iii) Integrated foot switch for easy adjustment of height.
- (iv) Should have complete rotation 360 degree with locking device.
- (v) Armrest should be comfortably padded and can be folded back for enabling easy sitting of over weight or Backrest should recline to horizontal position and minus to Trendelenberg position and adjustable head rest.
- (vi) Head rest should have adjustable height.
- (vii) Should confirm US FDA and European standards.
- (viii) Power 220-240 Volts/50 Hz.

**24. Separate Instrument cabinet Unit** should have stainless steel top with large instrument surface with aluminum trays and set of stainless steel dividers. Dust cover, integrated waste container with foot pedal. Removable drawer for used instrument along with compartment for bottles. It should have drawers for storage and instrument drawers with aluminum, trays and set of stainless steel dividers. The unit should be mobile on castors.

**25. Head mirror rest** with automatic on/off switch it should be preferably made of steel.

**26. Other terms and conditions**

- (i) Warranty - 24 months from the date of installation.
- (ii) CMC for 5 years. It should cover all components of unit (i.e. microscope, cold light source, suction system, head lamp suspension, fibre-optic head light, examination chair, doctor's chair, endoscopy centre including endoscopes, camera and monitor etc.)
- (iii) An undertaking to be provided by the principal/manufacture of the system for availability of spares for 10 years from the date of installation.
- (iv) All essential components should of the same manufacturer.
- (v) List of installation of the quoted model (national and international) to be provided.
- (vi) Should have service centre in India (preferably in North India).
- (vii) Short listed bidders will have to give demonstration of quoted model before finalizing the evaluation of their bids (if the committee desires).
- (viii) Suppliers are also required to produce for all equipment the European CE/USFDA certification.
- (ix) Manufacturer shall ensure fixation and function of unit at the time of installation.