



GOVERNMENT OF WEST BENGAL  
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### **CORRIGENDUM**

**In reference to our tender notification no RIO/2021-793 dated 06/07/2021 the following are to be considered:**

1. In the page no 9 of the NIT, point no 14, "ALL QUOTED ITEMS SHOULD BE CE, US(FDA), and BIS APPROVED" to be replaced by "ALL QUOTED ITEMS SHOULD BE CE and US(FDA) APPROVED"
2. **Technical Specification of the instruments:**

- **Technical Specification of HD endoscopy set up with monitor, light source, camera, & recording device**

**Full High Definition up Systems will consist of:**

- A) Full HD Video Image Processor with Integrated Powerful LED (equivalent to 300W Xenon)– One in Number
- B) 3 Chip CMOS Full HD Autoclavable Camera Head – One in Number (preferable)
- C) 26"/27" Full HD Medical Grade Monitor- One in Number
- D) Light Guide Cable- One in Number
- E) Telescope – Two Numbers

**A) Full HD Video Image Processor with *Integrated / separate* Powerful LED (equivalent to 300W Xenon):**

Should have following specification:

- A full high definition processor should have resolution of 1920x1080 pixels.
- Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions
- Should have a USB slot so as to take still pictures of Endoscope images **and or video**.
- Should have provision for adjusting brightness automatically during scope movements.
- A Powerful LED (Equivalent to 300 W xenon )
- Automatically **or manually** adjust light intensity to achieve ideal illumination.

**B) CMOS Full HD Camera Head:** Should have following specification:

- The full HD camera head should be of Eye piece type & have resolution of 1920x1080 pixels.
- Should have Digital / Manual focus function which can be varied seamlessly from coarse to fine image.
- Camera Head & coupler should be one piece.
- The camera head should must have integrated (one piece) inbuilt zoom and focus lens/rings to make it fully soak able for sterilization/disinfection.

**C) 26"/27" Full HD Medical Grade Monitor:** Should have following specification:

- 26/27" inch full HD LCD with LED backlit monitor with high resolution 1920x1080
- Aspect ratio 16:9
- Should have multi -modality display compatibility, including Picture-in-Picture for various image size combinations.
- Should have eco -friendly consumption by low power consumption, various powers saving mode, lightweight and thin body.
- Should have advance Image Multiplier Enhancer to enhance image quality.
- System should offer 2 x DVI-D output, 2 x 3G/HD SDi output
- Should have 2 x DVI – D input and 2 x 3G/HD SDi input , Y/C input

**D) Light Guide Cable**

- It should have High resistance protection against mechanical and thermal stress
- It should have small bending radius for comfortable use
- It should be 3 Meter or more in Length
- ROHS Compliant.

**E) Telescope:**

- 4mm telescope 0, 70, degree
- Completely distortion free.
- HD Optics for better contrast & color reproduction.
- Large field of view and depth of focus.
- Fully Autoclavable type.

**Please consider the following points:**

1. All the offered items should be European CE and USFDA approved.
2. Ideally all equipments should be from the same manufacturer.
3. Warranty T&C needs to be clearly outlined.
4. Compatible recorder along with trolley must be supplied.

**SPECIFICATION OF MICRODEBRIDER SYSTEM FOR ORBITAL SURGERY:**

- a) Should be a versatile powered Orbital and ENT system, that lets to choose just the power required for various Orbital, ENT and Aesthetic related surgeries.
- b) The system should be suitable for wide variety of procedures ranging from Orbital surgery to Rhinology and Other transnasal procedures, Otolary/ Neuro otology / Nasopharyngeal / laryngeal / tracheal / bronchial.

- Should have in built user-friendly interactive menu and illustrative help guide.
- d) Should have large Touch screen monitor.
  - e) The various parameters should be able to adjust either from touch screen panel or from the multifunction foot switch.
  - f) Should be able to connect multiple hand pieces at a time like debrider hand pieces (Up to 7500 RPM in Oscillating mode & 30000 RPM in Forward mode), low speed Otolaryngology drills (Up to 16000 RPM) and High speed Otolaryngology drills (Up to 60000 RPM).
  - g) Console should recognize the various hand pieces and automatically adjust the settings accordingly.
  - h) Should have inbuilt / **integrated** pumps each for Irrigation (5Cc / Min to 100Cc / Min) and Cooling.
  - i) Should be able to control Speed / Mode, Forward / Reverse toggle, Active hand piece change from the Foot control itself.
  - j) Should have option for remote control Irrigation to operate from sterile area.
  - k) Should have in built Lens cleaning system.
  - l) Should have 0 Degree, 30 Degree, 45 Degree & 70 Degree endoscope sheath compatibility for Automatic Lens cleaning system.
  - m) Main Console should have an option to operate manual foot paddle from console itself in case the foot paddle are not working **or hand switch**.
  - n) Should have the provision to mount the console on various sizes of IV pole or **trolley or flat surface**.

#### **SPECIFICATION OF HIGH SPEED MICRO DEBRIDER HAND PIECE :**

1. Should be compatible with main console.
2. Should be able work up to the speed of 30000 RPM in forward rotation and 7500RPM in oscillation mode.
3. Should have fingertip control to rotate only the tip of the blade up to 360 deg.
4. Should have straight suction path to reduce clogging and allow efficient tissue removal.
5. Should have integrated blade locking system to lock the blade tip rotation.
6. Should have integrated side grooves and cable clips to provide better tubing management.
7. Should have **rust-free body** or Titanium body to avoid rusting.
8. Should be light in weight and ergonomically designed.
9. Should be able to operate 120 Degree curved blade for Maxillary Sinus Application if needed during orbital approach.
10. Should be able to operate Diamond & Cutting burs for DCR Surgeries.

11. Should have provision to operate Inferior Turbinate blade for Turbinoplasty and Adenoid blade for Adenoidectomy.
12. Should be compatible with Frontal Trephination System for some specific Frontal Sinus Surgery if needed during orbital approach.
13. Should be compatible to operate Endoscopic Skull Base Bur at 30,000 rpm speed.
14. Drill Must have an option of 15 cm length straight and angled attachment along with standard accessories.


#### **ADDED TENDER TERMS**

1. The instruments quoted should be of high quality and standard.
2. The Instruments should have USFDA, European CE and ISO Certification.
3. Copy of the US FDA Certificate, European CE certificate and ISO certificate must be enclosed.
4. All equipment should be manufactured by a single manufacturer & Single vendor shall supply all equipment.
5. At least 5 orders of supply to government organizations should be submitted.

#### **BOQ Items with varied GST percentages**

Product Description	GST
Camera Console with LED Light Source	12%
Camera Head	12%
27" Monitor	28%
LG Cable	18%
Telescopes	12%
Recorder	18%

3. The uploaded **BOQ** to be changed according to the **varied GST percentage** as mentioned.

  
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