



## **Notice Inviting e-Tender**

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**Supply and Commissioning of Various Medical Equipment for the ENT Department of Midnapore Govt. Medical College and Hospital**

(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL/NIT-005/2024**

**Dated-02.01.2024**

**2<sup>nd</sup> call for Bid Reference No. WBMSCL/NIT-636/2023 Dated : 31.10.2023**

### **Amendment-I**

## **REVISED TECHNICAL SPECIFICATION**

### **Schedule – II**

**Otological Microdrill System**

**Specification for Oscillating saw and or Otology Drill system:**  
**Specification of Main Console**

- It should be a versatile powers ENT system, that lets to choose just the power required for various ENT and Aesthetic related surgeries.
- The system should suitable for wide variety of procedures ranging from Rhinology, other transnasal procedures, Otology/Neuro otology/Nasopharyngeal/laryngeal/tracheal/bronchial.
- It should have in built user friendly interactive menu and illustrative help guide.
- It should have large Touch screen monitor.
- The various parameters should able to adjust either from touch screen panel or from the multifunction foot switch.
- It should able to connect multiple hand pieces at a time low speed Otology drills (Up to 16000 RPM), High speed Otology drills (Up to 60000 RPM), Micro saw system like reciprocating saw, Oscilating saw & Sagittal saw.
- Console should recognize the various hand piece and automatically adjust the settings accordingly.
- It should have inbuilt pumps each for internal irrigation system and cooling.
- It should have multifunction ergonomically designed foot control with light emission for easy identification.
- It should able to control Speed /Mode, forward/reverse toggle, Active hand piece change from the foot control itself.
- It should have option for remote control irrigation to operate from sterile area.
- Main Console should have an option to operate manual foot paddle from console itself in case the foot paddle are not working.
- It should have the provision to mount the console on various sizes of IV pole (optional)

#### **Specification of Micro Saw hand Piece:**

- The saw system should be operational with the console which may or may not be available in the hospital.
- Micro saws should be light weight and the cable should be fixed with the saw system.
- The saw system should be Oscillating, Reciprocating & Sagittal.
- All the hand piece should be separate no adaptors required for common.
- The saw hand piece should be separate and should not be interchangeable with single hand piece.
- The finger control should have 'SAFE' position to insert the blades and "ON" position to activate the hand piece.
- Should operate in 14000 and above cpm speed.
- Blade stroke should be 8 deg.
- Blades should be unique and made of stainless steel.
- Blades should be of 0.3mm-1.3mm thickness with fine cutting laser design.
- There should be different design of Blades for utilizing for the ENT.
- The sagittal and oscillating blades should be common for both the hand pieces.
- There should be internal irrigation intergrated at the time pf usage the following blades have to be provided:
  - a. Reciprocating blades thickness from 0.3mm with the cutting edge of 25mm
  - b. Reciprocating blades thickness 0.4mm-1.3mm with variable thickness.
- Sagittal and oscillating saw blades thickness from 0.3mm to 1.3mm with variable cutting edge and depth.

### **Specification for otology drill:**

- The hand piece of the saw system should be compatible with the drill system
- The otology drill should have straight and angled hand piece 1 each, light weight, compact, lubrication free, constant ample torque, low operating temperature, compatible with variety of burrs, high speed performance for stapes and cochlear implant surgery, Frontal sinus surgery, hypophysectomy procedure.
- There should be auto internal irrigation port (optional)
- Speed upto 40,000 rpms and above
- Carbide burrs should be used,
- The burrs should be rust free

#### **BURRS:-**

#### **Tungsten Carbide Burrs AND Diamond Burrs (Coarse & Normal)**

1. 0.8mm-05 nos + 05nos. (Each TC burr and diamond burr)
  2. 1.0mm-05 nos + 05nos (Each TC burr and diamond burr)
  3. 1.2mm-05nos. + 05 nos (Each TC burr and diamond burr)
  4. 1.6mm-05 nos + 05 nos (Each TC burr and diamond burr)
  5. 2mm, 2.6mm,  
3mm, 4mm, 5mm, 6mm, conical, dumbbell shaped-10 nos + 10 nos (Each TC burr and diamond burr)
- All equipment should be manufactured by a single manufacturer
  - Demo is mandatory and no excuse for extension of demo date shall be entertained
  - Single vendor shall supply all equipment
  - After sales on site service should be provided by the vendor.
  - At least 2 orders of supply to Government organizations should be submitted.
  - **Certification** : The whole system must have any one of the following certificates  
European CE(4 Digit Notified Body)/USFDA/CE/UKCERT/TUV/CDSCO/BIS