



**TENDER NOTIFICATION**

The Adichunchanagiri University invites **closed tenders** from eligible tenderers or bonafide licensed manufacturer or their authorised local supplier/dealer/distributor in the state of Karnataka for the **Procurement of Equipment's for Anaesthesia and ENT Department at BGS- MCH Hospital** as per section I & II.

1	Name of the work	Supply of Equipment's for Anaesthesia and ENT department at BGS-MCH Hospital, Nagarur.
2	Last date for tender submission	On or Before 28.08 .2024 up to 05:00 PM

**SECTION -I**

**Instruction to Tenderers**

- The Tenderer shall send quotes in **2 bid formats (Technical and Financial bids sealed separately inside the main envelope for any or all list of items)** on professional business letterheads. The inner and outer sealed cover must bear the following identification
  - Tender for .....[name of service | Contract]
  - Tender Reference No.....[insert number]
  - Address to "The Registrar, Adichunchanagiri University, B.G. Nagara -571448, Nagamangala (T), Mandya (D)"
  - The tenderer who prefers to submit the tender through Post can dispatch the same through Registered Post / Speed Post or Courier so as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, ACU BG-Nagara will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees Only
- AMC/CMC (If any)** is subject to the Adichunchanagiri University's norms.
- Warranty:** As per the Standard.
- Amendment of Tender Documents:** At any time prior to the deadline for submission of tenders, the University may, for any reason, whether at its own initiative or otherwise, modify the tender documents by amendment. Adichunchanagiri University reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.
- Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 Years of ITR declaration inside the envelope and company contact details with email ID on the main envelope cover for further correspondence.



7. **Tender Prices:** Prices indicated on the Price Schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded. Conditional tenders will not be considered.
8. **Validity of the Bid:** 90 Days from the last date of submission of bid
9. **Corrupt or Fraudulent practices:** The Adichunchanagiri University requires that the Tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy:
  1. will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  2. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a university contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University contract.
10. **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.
11. **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the tenders. Tender specification might change depending on the need.
12. **Delivery:** The successful BIDDER should commence the services as per tender document/Work or Purchase Order. For any queries/ assistance, please write to registrar@acu.edu.in or telephone to purchase section +91- 7406907357.
13. **Penalty Clause:** Non-execution of supply order - For the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages;
  1. For the delayed supply (3 days of grace period) - 5% deduction
  2. Quantity issues - 5% deduction
  3. Quality issues - 10% deduction



**SECTION –II**

**Technical Specification:**

SI NO	EQUIPMENT	SPECIFICATION	QTY
1.	<b>PATIENT BODY WARMING DEVICES</b>	<p>The device should offer various styles and sizes of blankets for specialised patient needs – from neonatal age group to geriatric age group.</p> <p><b>Body warmer should be:</b></p> <ol style="list-style-type: none"> <li>Flexible, easy to use designs</li> <li>Uniform perforation pattern across the blankets surface to ensure even convective warming</li> <li>Soft, radiolucent, latex-free materials</li> </ol> <p><b>The Underbody Series Blanket Features:</b></p> <ol style="list-style-type: none"> <li>Patented fluid outlets to minimize pooling of fluids on the surface of the blanket</li> <li>Pass-through slit design allows for flexible patient positioning and accommodates the use of a draw sheets (where applicable)</li> <li>Soft, radiolucent, latex – free materials</li> <li>Resealable hose ports at either end of the blanket provide options for hose placement (where applicable)</li> </ol>	<p>4</p> <p>(2 FOR OT</p> <p>1 FOR POSTOP</p> <p>1 FOR ICU)</p>
2	<b>PEDIATRIC ANAESTHESIA WORKSTATION ALONG WITH TWO VAPORIZERS ANAESTHESIA GAS MODULE MULTIPARA MONITOR AND EtCO2 MONITOR</b>	<p><b>General description</b></p> <p>The unit should be flexible anaesthesia workstation for performing and monitoring inhalation anaesthesia</p> <p><b>Suitable for adult as well as Child up to neonatal age.</b></p> <p>It should be capable of providing low-flow techniques to minimize gas and anaesthetic agent consumption for economical day-to-day operation.</p> <p><b>Integrated systems: -</b></p> <p>The Anaesthesia Workstation should contain</p> <ol style="list-style-type: none"> <li>In-built Ventilator with coloured TFT display.</li> <li>Integrated CO2 Absorber</li> <li>In-built &amp; Integrated Anaesthesia Gas Monitoring Facility.</li> <li>Multi parameter monitor</li> <li>EtCO2 monitoring (AGM Module)</li> </ol> <p><b>Hypoxia guard: -</b></p> <p>It should have proven hypoxia guard design using the Pin-value Mechanism or equivalent mechanism</p>	01



- Patient Module should be integrated to the CO<sub>2</sub> Absorber of 1.4kg & CO<sub>2</sub> absorber should be single/double chamber design having screw type threading for easy removal and re-fitting during the operation.

**Vaporizers:**

- **It should have provision to connect two Selectatec mount vaporizers** & unit should be provided with two vaporiser's equivalent to the TEC-7 type, one of isoflurane & One of Sevoflurane.

**Modes:**

It should offer Ventilation Modes such as Manual, Spontaneous, CMV Adult & CMV Child & PCV Adult & PCV Child, and SIMV & PSV.

**I: E:**

The unit should offer I/E Ratios:

1:1, 1:1.5, 1:2, 1:2.5, 1:3, 1:4, 1:5 with I/E Inverse ratios 2:1, 3:1 & 4:1 (PCV); PEEP: 0-15mbar +/- 2mbar

**Display: -**

Display should indicate measured value: O<sub>2</sub> (Paramagnetic), **real time capnography, anaesthetic agents** (HALOTHENE/ISOFLURANE/SEVOFLURANE/ENFLURANE/DESFLURANE), Tidal volume, Minute Volume, Frequency, PEEP, Mean pressure-in graphic form with numerical

**Gas Monitoring: -**

- The In-built Anaesthesia Gas Monitoring Facility should be provided based on side-stream technology, using Infra-Red Photometry Principle & should offer Automatic Anaesthetic Agent Identification

**MAC:**

- It should have a **display of MAC** (Minimum Alveolar Concentration).



3	<b>DIATHERMY MACHINE</b>	<b>Diathermy Apparatus (Surgical Diathermy)</b>  1. It should be multifunctional micro controller based, suitable for both open and laparoscopic (endoscopic) procedures  2. Micro/macro bipolar coagulation, soft/spray coagulation, bipolar cut/underwater cut.  3. Cobo mode for laparoscopic (endoscopic) surgeries – (mono cut plus bipolar enabled)  4. Specialised functions include LEEP/TURP output  5. Standard feature include <input type="checkbox"/> In built voltage stabilizer <input type="checkbox"/> Programmable memory <input type="checkbox"/> Hand switch function &  6. Separate socket for LEEP/TURP/, silicon Rubber PP  7. 10 memory programmable feature  8. 400 watts monopolar cutting and coagulation  9. 100 watts bipolar cutting & Coagulation  10. 200 Watts Bipolar under water cutting  11. Dual Hand switch monopolar unit  12. SMPS based microprocessor-controlled unit  13. Endo mode for gastro applications  14. Digital display  15. Spray coagulation function  16. Hand switch pencil  17. Accessories are reusable and autoclavable	5
4	<b>SEVOFLURANE VAPORIZER</b>	<b>Resources</b>  <b>Accurate concentration of anaesthetic agent with their Automatic Flow/Temperature /Pressure Compensation</b>  a) Maintenance free and require no calibration over their useful life b) Should support fresh gas flow as low as 0.2L/min to support low flow anaesthesia c) Real time agent consumption and end-of-case agent usage d) Compatible with an SELECTATEC” * style mounting system Anaesthesia workstation	01

## **II. HD ENDOSCOPY SETUP WITH 4K MONITOR, LIGHT SOURCE, CAMERA & RECORDING DEVICE - 01 Set**

### **THREE CHIP HIGH-DEFINITION CAMERA SYSTEM**

- The system should have the maximum Resolution of 1920 X 1080 pixels, progressive scan and the consistent use of 16: 9 formats for Input & Output.
- The system should have facility of Optical & Digital Zoom lens to enhance the quality of Image size & cross specialty usage of the camera system, regardless of the telescope used.
- Internal Medical grade recorder for Capturing FULL HD Videos and HD Stills with storage capability of 500GB or more.
- System should have facility of controlling additional equipment's like light source, insufflators and recording device from the camera head.
- System should have facility to offer various visualization modes for surgery and diagnosis by shifting the colour spectrum like BLUE & GREEN light for recognition of the finest tissue Structures and their differentiation.
- Parallel live display of visualization modes besides white light mode (picture-in-picture).
- Homogenous light mode for peripheries and posterior end available in the system.
- Vascularity enhancement mode for better tissue differentiation should be available
- Pointer and Grid Functions for teaching and conferences.
- Modular design: Digital FULL HD camera module should be compatible for use with video flexible chip on tip endoscopes. The system should also be upgradable to 3D technology.
- Should be provided with non-medical grade trolley
- With 3 -5 years standard warranty

### **Technical Specifications:**

- Image sensor: 3X1/3" CCD- Chip.
- Pixels: 1920 x 1080
- AGC: Microprocessor controlled
- Lens: Integrated Zoom Lens, f = 15-31 mm (2x optical zoom)
- Minimum light sensitivity: 1.17 Lux (f = 1.4 mm).
- Control buttons: 3 (2 of them freely programmable).
- Video output: 2 x DVI-D, output, 1 x 3G-SDI output, 3 x camera input for communication with compatible camera modules, LAN connection, 4 x USB connection (2 x front, 2 x back).
- Input: Keyboard input for character generator.
- Power Supply: - 100-240 VAC 50/60 Hz
- Certified to: IEC 601-1, 601-2-18, CSA 22.2 No. 601, UL 2601 and CE according to MDD, protection class I/CF
- With 3 -5 years standard warranty

### **HIGH-DEFINITION MEDICAL GRADE 4K MONITOR**

The monitor should have:

- Should have the facility of PIP mode.



- Accessories External 24VDC Power Supply, Mains Cord, Pedestal. Certified to: EN 60601-1, protection class IPX 1
- With 3 -5 years standard warranty

#### **LED 175 W LIGHT SOURCE WITH FIBER OPTIC CABLE**

- Colour Temperatures 6400K
- Light Outlets – 1
- Lamp life should be 30000 working hours
- Light Intensity Adjustment: - Continuously adjustable manually and automatically by cameras video output signal.
- Light source should be a separate unit.
- Should be supplied with Diameter 3.5mm, Length 230cm.
- Certified To: - IEC 601-1 & UL 544 CE According to MDD, protection class 1/CF
- With 3 -5 years standard warranty

**Head of Procurement  
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