



F-No.-AIIMS/JMU/BOO/2024/LP/ 13

Dated: 27th December, 2024

Inviting Quotations for Purchase of items required for the Department of Dentistry, at AIIMS, Vijaypur Jammu.

QUOTATION NOTICE

Sealed quotations are invited from intending registered Stockiest / Distributors having GST and relevant documents for Purchase of Items required for the Department of Dentistry, at AIIMS, Vijaypur Jammu. The quotation with copy of certificate of GST & other documents should be submitted to Procurement Section at AIIMS, Vijaypur, District Samba, Jammu (184120) up to 10-01-2025 till 03:00 pm. The quotations will be opened on the same day at 04:00 pm. Details of items are given as under:-

S. No.	Name of Items	Make/Model	Qty.	Packs Size/Unit	HSN Code	Basic Price	GST %	Total Cost Inclusive of GST
1	Dental chair simulator with phantom head and accessories		01					
2	Heat induction typodont system		01					
3	Metal typodont with metal teeth		01					
4	Set of patient education models		01					
5	Desktop Visual Presenter with LED screen display		01					

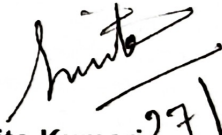
Terms & Condition

1. Firm to mention Make/Brand name in their quotation.
2. GST, if any (Kindly mention in above table) should be clearly mentioned in the offer.
3. Document relating to registration of firm i.e., GST number and relevant document should be submitted along with quotation.
4. GST/other taxes please may be included in your quotation with the price in separate column.
5. Supply should be made within 15 days from the date of purchase order.
6. Price should be for Destination basis (i.e., concerned department).
7. Payment will be released after certification from HOD of Concerned Department / Inspection committee of AIIMS, Vijaypur, Jammu.
8. **Quotation Name, Name of Department and No. must be mentioned on top of envelope.**
9. Liquidated damage shall be @ 0.5% for delayed supply per week or part of week for delay subject to maximum of 10%.



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, VIJAYPUR, JAMMU-184120
(A Central Autonomous Body under PMSSY, MoH&FW, Government of India)

10. AIIMS, Vijaypur, Jammu reserves the right to place order for full or part quantity to one or more firms. The AIIMS, Jammu reserves the right to increase/ decrease the number of required quantities all other terms & condition.
11. Sealed quotation should be submitted by speed post/ copy courier/ by hand to Procurement Section, **AIIMS, Vijaypur, District Samba, Jammu (184120)** up to **10-01-2025 till 03:00 pm.**
12. Vendors would get their sample check by user department through procurement section before the last date of quotation opening.
13. Validity of quotation should be 90 days from the date of opening.
14. Sample to be submitted as and when required by the institute.
15. Firm to submit documentary evidence in support of claim of GST at the time of submission of bills.
16. All column given in quotation should be filled otherwise quotation will not be accepted.
17. Demo of the Item is must for quality check before the last date.
18. Please mentioned Email-id and Contact Number in the quotation.


27/12/24
Dr Sunita Kumari
Member,
Store Purchase Committee,
AIIMS, Vijaypur, Jammu

Technical specifications

1. **Dental chair simulator with phantom head and accessories**
 - 1.1. It should include a fibre torso with electrically operated movements capable of simulating all dental chair functions.
 - 1.2. It should at least include two phantom heads with sophisticated exchangeable articulators and two instrument trays for enhanced operability.
 - 1.3. The phantom head should allow all three-dimensional movements to simulate human-like head rotation.
 - 1.4. It should have condylar movement to facilitate three-dimensional protrusive, mediotrusive, and laterotrusive excursions with an ideal anterior and canine relationship.
 - 1.5. It should include two sets of 32 gnathologically contoured model teeth with screws and two sets of upper and lower elastic removable gingival models for each phantom head.
 - 1.6. The simulator should come with two sets of backplates for mounting teeth securely.
 - 1.7. It should have an integrated air rotor and micromotor connection for clinical practice simulations.
 - 1.8. A minimum of 1-meter draining pipe should be provided for water drainage.
 - 1.9. The simulator should include two dual-intensity shadowless halogen lights to provide optimal illumination.
 - 1.10. Two elastic face masks should be provided.
 - 1.11. The system should include a three-way syringe for air, water, and spray functions.
 - 1.12. It should include a disk-type foot control and coiled handpiece tubing
 - 1.13. It should come with two five-wheel working stools
 - 1.14. The following accessories should be supplied
 - 1.14.1. Two air rotor handpieces
 - 1.14.2. Two straight handpieces for micromotor
 - 1.14.3. Two contra-angle handpieces for micromotor
 - 1.14.4. Two micromotor coil
 - 1.14.5. Compressor
 - 1.15. The equipment should have ISO/BIS/CE/US FDA certification to ensure compliance with international quality and safety standards.
 - 1.16. The warranty should be for a minimum of one year, and CAMC for four years.
2. **Heat induction typodont system**
 - 2.1. The system should use induction heating technology to generate heat in the metal teeth of a wax typodont without electric wires.
 - 2.2. The system should operate on a voltage range of 100-220V and a Hertz range of 50-60 Hz, ensuring compatibility with various electrical systems.
 - 2.3. It should include a temperature control feature, allowing the user to set the temperature between 55°C and 60°C.
 - 2.4. The system must simulate realistic tooth movements proportional to locally applied forces.
 - 2.5. The system should have a separating plate, allowing for division into upper and lower parts.
 - 2.6. A temperature sensor should be included to monitor the heating process.

- 2.7. The system should be equipped with a complete set of metal teeth and base plate wax (2 sets).
- 2.8. The system should include wax suitable for orthodontic simulations and capable of precise melting to allow controlled movement of metal teeth.
- 2.9. The system should have relevant safety and quality certifications such as ISO, CE, or equivalent, ensuring compliance with international standards.
- 2.10. The warranty should be for a minimum of one year, and CAMC for four years.

3. Metal typodont

- 3.1. The device should be mechanically designed to function as a simple articulator, providing a stable platform for orthodontic simulations and training.
- 3.2. The typodont should be constructed from durable metal, with options for metal or plastic teeth.
- 3.3. The typodont should enable the banding or bonding of brackets and the fitting of archwires, as well as supporting training in fixed appliance mechanics.
- 3.4. The unit should allow for adjustments to mimic realistic tooth movements and alignments, aiding in the study of orthodontic biomechanics.
- 3.5. The system should be equipped with a complete set of metal teeth and base plate wax (2 sets)
- 3.6. The device should comply with relevant quality and safety standards, such as ISO or CE, ensuring its suitability for educational and professional use.
- 3.7. The warranty should be for a minimum of one year

4. Set of patient education model

- 4.1. The following items are to be supplied
 - 4.1.1. Dental all-in-one model
 - 4.1.2. Dental Teaching Model with tongue
 - 4.1.3. Dental Teaching Model
 - 4.1.4. Patient Education Model (Caries, Implant, Nerves)
 - 4.1.5. Dental Model for Pathologies of Tooth
 - 4.1.6. Third molar Impaction Teeth Model
 - 4.1.7. Mandible Bone Model
 - 4.1.8. Caries V S Healthy Teeth Model
 - 4.1.9. Endodontic Treatment Model
 - 4.1.10. Root Canal Treatment
 - 4.1.11. Patient Education Model With Orthodontic Brackets
 - 4.1.12. Pediatric Development Model (Age 5-9 years)
 - 4.1.13. Pediatric Development Model (Age 9-12 years)
 - 4.1.14. Half Metal and Half Ceramic Brackets Orthodontics Model
 - 4.1.15. Dental Orthodontic Model with Transparent
 - 4.1.16. Dental orthodontic model
 - 4.1.17. Ortho Implant Practice with Soft Tissue Model
 - 4.1.18. Periodontal Disease Model
 - 4.1.19. Stages of Periodontitis
 - 4.1.20. Complete Dentulous Cast Mould
- 4.2. It should be of high-quality PVC material
- 4.3. It should provide a clear description of the anatomy
- 4.4. The warranty should be for a minimum of one year

5. **Desktop Visual Presenter with LED screen display**

- 5.1. It should be of the desktop type and utilize CMOS sensor technology.
- 5.2. It should support Full HD resolution (1920 x 1080 pixels) for high-quality imaging.
- 5.3. It should include both auto and manual focusing options to ensure precise adjustments.
- 5.4. The video frame rate should be at least 30 fps to provide smooth visuals.
- 5.5. It should feature a minimum 20x optical zoom for detailed magnification and support A4-sized shooting areas for document presentations.
- 5.6. The layout should allow for both landscape and portrait orientations.
- 5.7. The lens focal length should be 10-20 mm, and digital magnification should be 10x to 15x to enhance viewing options.
- 5.8. It should offer image rotation up to 180 degrees.
- 5.9. The light source should be a white LED with a minimum lifespan of three years.
- 5.10. The device should include at least one USB port, one VGA port and two HDMI ports.
- 5.11. It should come with a full-function remote control for convenient operation and include a lightbox for additional functionality.
- 5.12. The power requirement should be 230V, 50 Hz AC for compatibility with standard electrical systems.
- 5.13. It should be supplied with a minimum of 65-inch LED screen.
- 5.14. It should come with all standard accessories.
- 5.15. The warranty should be for a minimum of one year, and CAMC for four years.