

## SPECIFICATIONS FOR DENTAL CHAIR- BASIC

1. Dental Chair design: This should enable the operator to be near the patient to provide an optimum vision of the operating field and safe control of all component devices.
2. Ergonomics: The chair should be designed to provide good ergonomics for both operator and assistant. The chair should have an adjustable ergonomic headrest.
3. Power drive for Chair movements: Dental Chair shall be fully motorized, and electrically driven, which gives smooth movement and non-jerky start and stop.
4. Power Input: 220 – 240 V AC, 50 Hz
5. Power Supply: Should have an integrated power supply for fiber optic handpieces, electric motors, etc.
6. Type of Motor: Noiseless Motor for enabling chair movements.
7. Corrosion resistance: The base and other structures of the Chair should have a corrosion-resistant coating.
8. Dental Chair height adjustment: By electronically controlled electric motor.
9. Dental Chair Features & Sub Systems
10. Lumber Support: The Chair should have good lumbar support.
11. Backrest of Chair: The backrest of the dental chair shall be flexible, highly comfortable, seamless long-life upholstery, and should be disinfectable. Seamless Rexene without any stitching.
12. Chair movement control: By Fingertip panel and also by user-friendly foot control, with all the functions.
13. Overhead Delivery System: Modular trolley with the overhanging delivery system.
14. Vacuum Suction: Provision of a high vacuum suction unit on the assistant side of the dental chair, Medium vacuum suction, and 3-way syringes.
15. Spittoon: Porcelain spittoon, sparkless, detachable, autoclavable.
16. Dental Chair Illumination: LED high-quality operating light with sensor, non-touch on/off.
17. Storage & Operating Conditions
18. Operating Temperature & Relative Humidity: Dental Chair unit is capable of operating continuously in ambient temperatures of 10-45 degree centigrade and relative humidity of 15-90%
19. Stainless steel instrument tray for keeping instruments
20. LED X-Ray viewer

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21. Micromotor: Micromotor with digital display of speed with 35000rpm
22. Dental operator's stool: surgical stool, moving on 5 castors, well balanced, freely movable. The seat and backrest are PU molded. Height adjustment by Pneumatic Piston.

**Conditions for tenderer:**

1. All accessories should be from the same Original Equipment Manufacturer for the main unit.
2. Instruments must be ISO certified and a copy should be enclosed. (The ISO Certificate must be issued by any organization accredited by the Bureau of Indian Standard or accredited by the international accrediting forum "IAF" (Certificate to be attached).
3. Should be USA FDA and/ or European CE be approved by 4 digits notified body.
4. Other necessary certifications if any required will be provided by the bidder for the smooth functioning of the machine.
5. Installation process should be performed by O.E.M trained service engineers/ service representatives on OEM letterhead or Service Report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained Service Engineer/ Service Representative quarterly per year till the completion of warranty period (i.e., 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till the completion of CMC period.
6. The equipment should have a Brand name/ Model Number embossed/etched on the equipment.
7. All the technical specifications in the compliance statement must be supported by Original Literature from the firm/ O.E.M with highlighting Numbering & flagging of all technical certificates.
8. Offered Equipment should have a strong Government Installation base.
9. Offered Equipment should have a Regional Sales Service Centre of the Original Equipment Manufacturer in the region for a 95 % uptime guarantee.
10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the Original Equipment Manufacturer's letterhead.



11. In case of technical snag/failure/breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine/ alternate arrangement to be made till the period of recovery of the breakdown of the unit, failing which attracts penal action as per the decision of institute/ hospital.
12. For offered equipment the Training of technical staff and users should be performed by Original Equipment Manufacturer trained Service Engineers at the proper designated place- at bidders' cost.
13. Company should quote their latest model and need to provide an affidavit for the same.
14. As a tendering process the Demonstration of the offered Equipment is Mandatory at hospital/institute premises or other designated places at the bidder's cost.
15. The bidder must comply with the General Financial Rules and their modifications if any issued by the Government of India- 2017.
16. Any bidder from a country that shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (i.e., Registration certificate issued by the Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade- DPIIT after October 2020). If any such bidder is not registered with DPIIT they will be liable for technical disqualification.
17. Principal (OEM) must authorize only one agent to be quoted in the bid otherwise multiple quotes through different agents in the same bid will be canceled.
18. The Bidder and its OEM both have to submit a notarized affidavit on the Indian Non-Judicial Stamp Paper of Rs.100/- that the bidder has not quoted the price higher than the current financial year and last financial year supplied to any government Institute/ Organization/ reputed Private Organization. OEM also has to submit that the price quoted by the bidder in the bid is on its behalf and the lowest in the current and last financial year in the country. Therefore, if at any stage it has been found that the supplier and its OEM have quoted lower rates than those quoted in this bid; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the



Institute (the purchaser). If such an affidavit is not submitted, the bid will be outrightly rejected. (Part of technical bid).

19. Guarantee / Warranty Period: Separate offers of Comprehensive Maintenance Contract (CMC on main equipment) and Annual Maintenance Contract (AMC on main equipment) for further 5 years after expiry of 5 years of warranty (i.e., 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> years) in rupees only (and on basis of percentage of price) should be included in a financial bid in the absence of which the offer is liable to be rejected. Payment for CMC/AMC shall be made only after the expiry of the warranty of 5 years, in case the Institute (the purchaser) decides for availing of CMC/AMC services. Contract for CMC/AMC shall be decided on expiry of warranty but rates (not more than 5% inclusive of all taxes for 6<sup>th</sup> to 10<sup>th</sup> year) will be frozen at the price of an issued purchase order before the release of payment by the Institute (the purchaser). However, the Institute (the purchaser) may decide not to enter into any CMC/AMC contract without assigning any reason for the same, which shall be binding upon the bid.
20. Should provide 5-year CMC. CMC cannot be more than 5% of the contract value.
21. System configured application-specific educational video tutorials shall be provided as standard with the system.
22. Details of service outlet in India to render services during 5 years warranty period.
23. The principals must give a certificate if the supplier/vendor is changed during the course of the guarantee/warranty period, the principals would be responsible for the upkeep/maintenance of the quote/supplied equipment, besides honouring all the terms and conditions of CMC/AMC in letter and spirit.



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