

## ELECTRICALLY OPERATED DENTAL CHAIR MOUNT UNIT- HIGH END

1. Electrically Operated microprocessor-based multi-programmable DentalChair.
2. The Chair should have Erasable Programs with Microprocessor controlled,where Doctor can set his own programs. The Program switch should be fittedto the instrument Tray. Program 0 and Gargling. 1 & 2 erasable Program
3. Should have Synchronized movement of seat and back rest to get the head downposition during shock
4. The Right-side Arm of the Chair has lateral rotation for easy access to thePatient.
5. Headrest: manual Headrest with articulated up and down movement
6. Assistant console for up and down movementTo and Fro movement of Backrest Zero program Gargle Tumbler and Spittoon on & off
7. Motorized Suction: High and low Vacuum Motorized Suction, continuous, nonstop, with the flowrate of 300 liters  $\pm$  5% per minute
8. Spittoon Attachment:Oval glass bowl having rotation. Synchronization with the gargle position, when you pressthe gargle button., the spittoon should rotate and come on the patient body for easy gargling.Should prevent injury to the neck, which is one of the great challenges in dental practice, turningthe neck and spitting on the spittoon. When you press the gargle back the chair will go tothe operating position. Spittoon will go to the home position. Within 10 seconds of operation, thespittoon motor should get disengaged/off so that spittoon can be rotated manually.
9. Memory foam: the Chair should have memory foam with the ultra-leather cover which can becleansed by chemical cleaning, this is for the patient comfort. Memory foam and ultra-leather give total comfort & also, for infection control by cleaning with the chemical.

### **Chair Mount Unit fitted with:**

#### a) DENTAL LIGHT WITH CAMERA

Latest technology Light has various new features for users

Selectable color temperature, wide focus

The sensor on/off and intensity control

Internally built camera at the center of the light with resin cover,

The remote controller is provided to select by the user

Color Rendering Index, (CRI) 95, which gives clear nature-likecolor, helps to reduce eye fatigue compared to higher brightness

Selectable color temperature, 3 steps of color temperature i.e.4,000- 4500-5000

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Which gives the doctor a more suitable and comfortable Light color

Detachable and autoclavable handle

Intensity: minimum 3,000, maximum 50,000

A lifetime of bulb: 50,000 Hours

a) Camera specification:

Image Sensor: 1/2.8 CMOS

Lens: 30X optical zoom

Image point: 2.38 M pixel

Object Distance (min): 600-800mm (Tele end)

Video Signal: HD-SDI coaxial cable

1080p/1080i/720p

b) STAINLESS STEEL INSTRUMENT TRAY for keeping instruments.

c) LED X-RAY VIEWER

Modular (Delivery System over patient) fitted with:

A. AIROTOR

Airotor should have 2 Airotor points

i) Fibreoptic twin beam, Ultrapush Q.D. Twist-free coupling having nonretraction valve  
Airotor Torque Handpiece with ceramic bearings with quarto spray, speed 3,80,000-4,50,000 rpm (Make: KAVO/NSK/ W& H/ Bien Air) 1 No.

ii) Airotor Fiber optic Mini head handpiece with Stainless steel body, Cellura glass optics, ceramic bearings, clean head system, push-button chuck with a single spray, speed 3,80,000-4,50,000 rpm Head Size should not be less than:  $\phi 8.6 \times H 9.0$  mm For short shank burs / ultra-short shank (Make: KAVO/NSK/ W& H/ Bien Air) 1 No.

B. Fibreoptic Brushless Micromotor with internal spray integrated with chair  
Brushless Micromotor with Internal spray with control unit having a digital display of speed. It should be smooth, lowest noise, and vibration free. Speed range 2000-40,000 RPM.

Supplied with :

i) Fiber optic Straight Handpiece with the internal spray of water 1 No  
(Make: KAVO/NSK/ W& H/ Bien Air)

ii) Non-fiber optic contra-angle handpiece

C. 3-Way Syringe 2 Nos

D. Piezotronics Scaler- Optic integrated with the chair

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Piezotronics Scaler 28 to 32 Khz frequency. Autoclavable Handpiece total control ismicro processed based control unit. Handpieces are most sleek. The scaler is supplied with 3 tips (Make: Satelac/ NSK/KAVO/3M)

E.LED Light cure Cordless

Light cure Unit Cordless, cool light. makes no pain. It should have a power output that reaches rapidcuring.

Light Source: 7-watt LED, blue light

Max Intensity: 2100mw/cm<sup>2</sup>

Spectrum: 430-490nm

Light Guide: 8mm glass

F.Monitor Mounting Arm with All the Movement

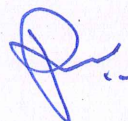
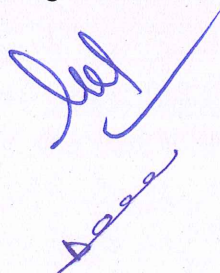
G. Multi-function foot control 1 No.

ZERO BACK ACHE STOOL: 1 No.

Should be the latest Surgical Stool having raising and lowering by a pneumatic piston with Chromium-plated legs. The backrest should move forward and backward along with the body by the pneumatic piston and it should give support all the time. The seat should have a piston to move with the body when a Surgeon leans forward.

**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



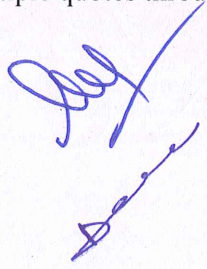
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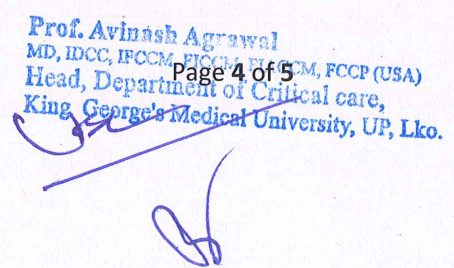


warranty period (i.e., 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till the completion of CMC period.

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.



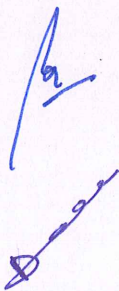
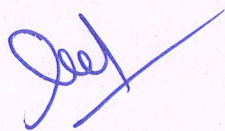
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18. The Bidder and its OEM both have to submit a notarized affidavit on the Indian Non-Judicial Stamp Paper of Rs.100/- that the bidder has not quoted the price higher than the current financial year and last financial year supplied to any government 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.



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