

Amendment No. 19 Dated 24.12.2018
HSCC/PUR/CNCI/Kolkata/Medical Equipment/05 dt. 13.07.2018

Procurement of Medical Equipment CNCI 2nd Campus.

All bidders are requested to note the following:

Name of Item	Last date & time sale/downloading of Tender document	Last closing/submission date & time for receipt of tender	Date of opening of Techno – Commercial bids.	Earlier date of opening	Amendment Status for opening date
Dental Chair with X-ray	22.01.2019, up to 13.00 hrs IST	22.01.2019, , 14.00 hrs IST	22.01.2019, 14.30 hrs IST	04.01.2019	Date Extended

Tender Specifications for High-end Dental Chair Unit

Technical preliminary remarks and quality specifications

Patient chair and treatment unit should be in coherent design, with central control.

Unit should be Right/left-convertible version

Unit should Offer:

(1) Patient chair

Predominantly designed for working while seated but also for working while standing.

Unit should offer Motion sequence.

Should offer Seat height range from 350 mm - 830 mm.

Unit should take up patient load of 120 kg -180 kg.

Should offer Anatomical seating area and backrest, left and right arm rest are optional and can be folded upward to facilitate entering and exiting chair.

Offers Trendelenburg movement.

Unit should offer anatomically shaped extendable double-jointed headrest with mechanical adjustable inclination for treatment of the upper and lower jawbone.

Unit offers Enhanced legroom for the dentist and assistant when treating both reclining and sitting patients. Programmable work position settings including rinsing position and a final position.

(2) Dentist element

Combination of dental element and tray holder system.

Smooth-running spring-loaded swivel arm with extensive pivoting range.

Height adjustable, stable in every position. Pneumatic break to fix position.

With tray holder for the storage with options of 3-7 instruments.

Handpiece holders, the instrument arm and swivel rollers can be removed for cleaning purposes.

Integrated anti-retraction stop at the instruments. Smooth, wipeable instrument.

Hoses with device-sided screw couplings.

Considerable free length of the instrument hose (maximum extension length of instruments hoses 70-100 cm).

Table height 35-50 cm.

(3) Instrument equipment:

1 x air hose for compressed air driven instruments with coupling for pneumatically driven instruments etc.

1 x brushless electrical micromotor (can be sterilised) speed range 100-40,000 min⁻¹ with speed control for endodontic applications.

1 x dental scaler (ultrasonic, piezoceramic)

1 x three functional handpiece with air, water, spray cold.

Operating elements controlled via panel technology with display on the instrument stand for detailed instrument, spittoon and chair function
Device operation via display.

Keys for multifunction corresponding to the menu display.

Direct select buttons, assignment to the menu functions

Button/Keys for bowl rinsing, tumbler filling, x-ray viewer.

Filling function for the tumbler.

Key/Switch for treatment lamp ON/OFF

Central supply element integrated in chair base cover, fix-mounted to floor

All components easily accessible, service friendly.

(4) Assistant element

Pivoting extension arm

Holder for 1 x saliva ejector, 1 x spray mist hose

Equipment of assistant element:

Triple-Function Handpiece.

spray mist suction.

Saliva ejector.

Patient element incl. spittoon that can be outward rotated by 60° for maximum space of the assistant.

Spittoon bowl are removable for cleaning and thermodisinfection.

Control for the tumbler filler and spittoon bowl rinsing functions.

Device operation via LED-display.

Keys for bowl rinsing, tumbler filling, operating light.

Keys for working position, last position.

Function for rinsing the spittoon bowl.

Compact filter housing, with connection for suction tubing and easily exchangeable suction filter.

Central electrical overload-protected power supply for device and chair control.

Compressed air filter with automatic condensation removal and pressure regulator.

Electric main switch to switch off the electricity.

(5) Multifunctional foot control

Electrical infinitely speed control with spray selection and chipblower function, switch-over to motor anti-clockwise direction and patient chair functions with instruments deposited. Keys for spray and chipblower with instruments deposited, with automatic chair position, optionally allocable, as well as manual activation.

Chair automatic positions with all foot control operated elements for stopping operation

(6) Chair Light with

LED technology.

Light intensity adjustable

high colour reproduction index for daylight quality and can be used for colour matching of composite resin. CRI > 90 with all colour temperatures.

Handles with snap closing removable and thermo-disinfectable/serializable.

Contactless operating (on/off) sensor.

Light installed on swivel arm can be moved horizontally or vertically

Smooth setting of the light head and perfect hold in the set position Range of movement for all treatment positions.

(7) Dentist Stool Two Units, that offers

Anatomical seat surface.

Anatomical backrest.

Anatomical angle between seat surface and backrest.
Seat and backrest inclination adjustable.
Soft, elastic upholstery, upholstery easy to exchange.
Manual operation.
Chair height adjustment

General Requirements:

- **The device should be USFDA approved and European CE certified**
- All products should be same manufacturer
- Should have installation of same product base in reputed Govt Institutes
- Should have a service facility in Kolkata
- Should provide 5 years warranty with AMC & CAMC rate for another 5 years after completion the warranty.

All other terms and conditions of the tender enquiry document shall remain unchanged. Prospective bidders are advised to regularly visit HSCC website/ CPP as corrigendum /amendments etc. if any, will be notified on this portal only, no separate advertisement will published in the newspapers.

Sr. CGM-I, HSCC (I) Ltd
For & on behalf of Director CNCI, Kolkata