

HSCC (I) Ltd

Amendment–XLV Dated, 14.01.2021

Tender Ref :HSCC/AIIMS-RAEBARELI/Hospital/3/2019 Dated : 23.12.2019

Subject: Procurement of Medical Equipment for AIIMS -Raebareli.

Technical Amendment:

Name of Item& No.: **C-1, Advance Electronic Dental Chair**

Department: Dentistry Department

Specification Sr. No.	Tendered Specification	To be Read As
06	Base and other structure should have a corrosion coating with cast metal base	Base and other structure should have a corrosion coating with cast metal base or made up of corrosion resistant mild steel
16	It should have one-in built piezon LED ultrasonic Scaler (frequency 28-36 KHz) with 04 Scaler tips and one set of perio-curette tips with one set of all endodontic attachments	It should have one-in built piezon LED ultrasonic Scaler (frequency 28-36 KHz) with 1. 04 Scaler tips for supragingival scaling to clean the facial, lingual and interdental surfaces of maxillary and mandibular teeth. 2. One set of perio-curette tips for supragingival scaling, root planning and for management of shallow as well as deep periodontal pockets in right and left maxillary and mandibular teeth 3. One set of all endodontic attachments for root canal access refinement and removal of calcification (diamond coated), passive ultrasonic irrigation activation and broken file retrieval. It should also contain endo-chuck to attach ultrasonic files.
22	Assistant side should have high medium vacuum suction and 3 way syringe with spittoon and tumbler water connections. The suction system should be compact unique wet line suction with flow rate of at least 350 liter / minute	Assistant side should have high & medium Motorized (preferable) or vacuum suction with auto drain/ auto flush system suction and 3 way syringe with spittoon and tumbler water connections. The suction system should be compact unique wet line suction with flow rate of at least 350 liter / minute
25	Hi resolution LED Dental Camera with digital signal processor.....	High resolution Dental Camera system having LED with digital signal processor along with ≥ 15 " LCD Monitor mounted on dental chair
34	Suitable Medical grade Absolutely Oil free Compressor - POINT 9 -compressor tank should be internally epoxy coated	Suitable Medical grade Absolutely Oil free Compressor -POINT 9 -compressor tank should have internal epoxy and antibacterial coating. Suitable medical grade absolutely oil free noiseless (Silent) Compressor
35	Demonstration of the quoted items must at the HLL office Sector 62 NOIDA	Demonstration of the quoted items must be at location as decided by purchaser/HSCC
51	CABINETRY	CABINETRY – Length 5 ft, height 3ft, depth 20 inches. Each drawer in the cabinet should be at least of 4 inches in height and 14 inches in width.
	New Point Added:	Should be US-FDA or European CE with 4 Digit notified body number or BIS

All other Specifications shall remain unchanged.

Name of Item& No.: **C-2, Table Top Autoclave**

Department: Dentistry Department

Specification Sr. No.	Tendered Specification	To be Read As
19	Alarms: Automatic process checking & failure correction should be possible by the control system. The range of alarm should include Temperature & pressure sensor failure, phase time-out, doors not properly closed, power failure (less than 10 sec should be ignored), continuous self-checking of all the safety devices, low water level etc. All the alarms should be audio-visual.	Alarms: Automatic process checking & failure correction should be possible by the control system. The range of alarm should include Temperature & pressure sensor failure, phase time-out, doors not properly closed, power failure, continuous self-checking of all the safety devices, low water level etc. All the alarms should be audio-visual.
23	There should be separate tank for clean water as well for contaminated water.	There should be separate tank for clean water as well for contaminated water or drain facility.
26	Bidder should provide a SS 304 multiple level (minimum 3 levels) storage rack for storing 16" SS drums.	Bidder should provide a SS 304 multiple level (minimum 3 levels) storage rack for storing 16" SS drums/trays.
	New Point Added:	Should be US-FDA or European CE with 4 Digit notified body number or BIS

All other Specifications shall remain unchanged.

Name of Item& No.: **C-5, Ultrasonic Cleaner**

Department: Dentistry Department

Specification Sr. No.	Tendered Specification	To be Read As
1	Ultrasonic cleaners should produce high frequency and high intensity sound waves that removes dirt and debris from instruments.	Ultrasonic cleaners should produce high frequency in the range of 40 kHz to 80 kHz and high intensity sound waves that removes dirt and debris effectively and efficiently from the instruments.
8	One accurate self measuring bottle of each solution: Super concentrate general purpose cleaner, Enzymatic Solution, Germicidal Cleaner (effective to kill HIV virus), Cement remover solution. All the necessary solutions (Additives and Detergents) should be provided – 5 litres each.	One accurate self measuring bottle of each solution: Super concentrate general purpose cleaner, Enzymatic Solution, Germicidal Cleaner (effective to kill HIV virus), Cement remover solution. All the necessary solutions (Additives and Detergents) should be provided – 5 litres each or more.
	New Point Added:	Should be US-FDA or European CE with 4 Digit notified body number or BIS

All other Specifications shall remain unchanged.

Name of Item& No.: **C-14, Orthopantomogram**

Department: Dentistry Department

SNO	SPECIFICATIONS
1	USFDA/ European CE with Four Digit Notified Body number /BIS and AERB Approved
2	Operating Voltage 220-240 V EU
3	Both OPG and Cephalostat should be digital and have centralized control system
4	Floor mounted/ Wall support
5	Basic panoramic programs and Advanced panoramic programmes including Horizontal and Vertical Segmenting, Multiangle TMJ views, Open close TMJ, Sinus views, lateral cephalometry, all other skull views and Bite wing Advanced features like Digital Tomography in Cross section would be preferred.

6	Graphic user interface, coloured LCD Display
7	It should have option to update to 3D-CBCT at a later date with coverage from skull till the cervical region upto supraclavicular level
8	Generator : potential microprocessor controlled resonance mode x-ray generator with very high operating frequency (80-150 kHz)
9	X-ray tube : Focal Spot 0.4/0.5 mm as per IEC standards. Anode 60-90kV in 1-2kV steps & 5-15mA DC or more
10	Automatic Primary Collimator
11	Should have optimized image geometry and constant magnification
12	Automatic exposure control
13	Automatic cooling preferred
14	Total filtration to be equivalent to 2.5 mm Al or more
15	The cephalometric images should give true measurements with a scale shown on each image and Magnification should be 1 and should have means for adjusting the magnifications. Range of Magnification panoramic exposure should be beyond 1.2-1.29
16	Option for adjustment for both standing/sitting/wheel chair patients
17	Exposures: Multiple modes for different patient sizes, exposure time should be minimal
18	Detector : High resolution CCD sensor, Pixel size of resolution more than 45 microns with multiple selectable pixel sizes. Resolution approx. 8 lp/mm.
19	Should have provision for general patient demographics like patient identity, age, sex, study, date, etc. with possibility to import the same from HIS/RIS and DICOM compatibility.
20	The image should be of excellent quality at least 1530 x 2730 pixels or more with pixel size 96-100 microns or more.
21	Image Resolution 5-9 lp/mm
22	Should have wide range of image processing and enhancement tools.
23	Computer with latest features 2TB or more hard disc, Graphic card, 8GB RAM with Windows 10 or above. Full HD LCD Monitor, UPS, DVDROM and laser printer and other accessories should be quoted separately. The printer should be supplied with additional ink for minimum 5000 prints or more.
24	Positioning accessories to be provided along with.
25	The system should be a state of the art, top of the line equipment and the latest for the year of installation. It should be upgraded for free for the next five years for any hardware/software component.
26	X ray unit should be supplied with lead apron, thyroid collar and gonad sheath
27	Should be supplied with 2 customized tables and 2 height adjustable chairs with back rest and hand support
	Should be US-FDA or European CE with 4 Digit notified body number or BIS

Name of Item& No.: **C-15, Instrument Washer Disinfecter**

Department: Dentistry Department

SNO	SPECIFICATIONS
1	Single Door Washer disinfecter with accessories
a	The washer disinfecter shall be suitable for cleaning and disinfection of surgical instruments/goods. The process shall include pre wash, detergent wash and hot water disinfection, rinse and drying cycles.
b	The unit shall be suitable for electrical operation and would be complete with water circulation pump, necessary valves & fittings
c	It should be microprocessor based so as to ensure correct program sequence and irregularities or deviations which are displayed immediately.
d	Chamber Capacity: Chamber capacity: Operational Volume should be able to process minimum 10 DIN trays (Approx. 480X250X50) with 5 levels or more in single process. The chamber should be made of S.S. 304 or S.S. 316L quality with electro /mechanically polished washed surfaces. The chamber edges should not have the pockets & folds so as to avoid bacterial growth. The wash chamber should also be fitted with bright light for clear visibility of the washing process.
e	Consumables required for initial start up and training should be supplied as standard
f	Consumables for 500 cycles to be quoted separately and it will be considered for price evaluation
g	Connection with MGPS system for compressed air (if required) shall be the responsibility of the bidder.
	Washer should have following features:
a	For shortest possible filling and draining phases, higher capacity quick opening valves should be used so that short total process time is achieved. The design should focus on saving the environment through reduced consumptions of all utilities.
b	Cleansable spray arms should be located at the top and bottom of the chamber.
c	Wash carts should be equipped with cleansable spray arms between each shelf so as to facilitate water to reach all the surfaces which needs to be cleaned.

d	Injection wash carts should be automatically connected to water and drying air in order to clean and dry the inside of the tubular instrument.
e	The drying air should be pre-heated.
f	The washer should be equipped with independent temperature monitoring and validation test port.
g	Data interface RS232/USB/LAN should be available.
h	All electrical components should be easily accessible for easy service - ergonomic design.
i	Washer should be equipped with alarm (audible/visual alarm) that alerts if error code occurs.
j	Double door should be made of toughened glass for see through & should facilitate the loading process.
k	The washer should have 3 dosing pump (detergent, alkaline & lubrication) for process chemicals, instrument lubricants/ enzymatic cleaners
1	The washer should perform:
a	Pre-rinses with cold water.
b	Main washes with hot water (60C) and detergent
c	Final rinse with water (55C)
d	Disinfection with hot water (85C)
2	Unit to have LCD display and operating console to have membrane key pad for durability or LCD touch screen display
3	Unit should feature safety measures such as:
a	Automatic door lock.
b	Automatic temperature regulation.
c	Electronic adjustment of water level.
4	The unit should also have an interface & printer
5	The washer disinfectant shall be supplied with universal rack (minimum 5 level rack) for instrument tray, full size instrument tray as well as stop valves, anti-suction device and plastic water trap.
6	Should ensure essential washing accessories.
7	Standards & Norms:
	Should be US FDA/European CE certified with four digit notified body number./BIS approved.
	Manufacturer should be latest ISO 13485, EN ISO15883 and ISO9001 certified and copy of the certificates should be attached with the bid.

The bid submission date remains 20.01.2021.

All other terms and conditions of the tender enquiry documents including Amendments issued so far shall remain unchanged.

Prospective bidders are advised to regularly visit HSCC website and CPPP Website for the Corrigendum/amendments etc. if any, as these will be notified on these portals only. No separate advertisement will be published in the newspaper in this regard.

**CGM (PROC.)
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