

Amendment No. III Dated 24.08.2018
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:

Item No. 01, ENT Work Centre with Endoscope Systems

Tender Specification	May Please Read As
<p>The ENT unit should essentially be made of 2.5mm steel casing, so that it should be durable, sturdy and non-wearable and must have PUR (Polyurethane) shaped top part for easy spotless cleaning. The unit shall be supplied with Instrument Cabinet, Portable Endoscopy System and Patient Treatment & Examination Chair manufactured by the same manufacturer so that the guarantee clause could be effectively applied. The ENT Unit should have easy access to air filter, - condensation, discharge and liquid bottles. Large instrument surface, two storied, with aluminium trays with set of stainless steel dividers and Plexiglas dust cover. Should have swivel support for additional equipment as detailed below:</p>	<p>The ENT unit should essentially be made of high quality steel casing, so that it should be durable, sturdy and non-wearable and must have PUR (Polyurethane) shaped top part or Powder coated top part with antibacterial and anti Microbial properties and easy to clean and disinfect. The unit shall be supplied with Instrument Cabinet, HD Endoscopy Camera and Monitor System and Patient Treatment & Examination Chair supplied by the same manufacturer so that the warranty clause could be effectively applied. The ENT Unit should have easy access to filters, compressed air system system, suction system and rinsing system bottles. Large instrument surface, in two levels, with Stainless steel trays with set of stainless steel dividers and dust protective cover. The work station should be Mobile on high quality antistatic heavy-duty castors/ wheels for easy positioning and floor cleaning. The work station should Operate on 230V (± 10%) - 50/60 Hz. The work station should have 3-4 drawers with soft closing mechanism, one built in waste bin with foot pedal control for opening and one Melamine/ Stainless steel instrument bowl for used/ dirty instruments.</p> <p>The work station should have a shelf / Plateau support for keeping additional equipment as detailed below:</p>
<p>1. Endoscope stands,</p>	<p>The work station should have 4 quivers (2 preheated and 2 standard) for rigid endoscopes, 1 quiver for storage of FNL scope and 3 holders for disinfection of rigid endoscopes. All quivers should be removable and autoclavable.</p>
<p>2. Endoscopy monitor,</p>	<p>The endoscopy monitor should be Medical grade, full HD with size 19" mounted on the workstation.</p>
<p>3. Double light source (LED/150W Halogen)</p>	<p>Three light source (LED TYPE) : The work station should have 3 LED Light source with separate outlets. The life of LED lamp should be 30,000 hours or more.</p>

<p>4. Compressed air unit Stainless steel tank for compressed air with minimum 1.5 ltr.capacity. Compressor should be completely separated from the suction unit.</p>	<p>Compressed air unit : The inbuilt compressed air system should have a flow of 12-15 ltr/min with max pressure of 2.5 bar with a regulation valve for fine dosing during use on children.</p>
<p>5. Separate inbuilt motor suction unit with max.90%vacuum and should have a vacuum gauge (bacterial filter with a double overflow control fuse) and 1.25L liquid container. Suction tube should have an automatic on off switch and a small ear rinsing funnel.</p>	<p>Separate inbuilt motor suction unit: Inbuilt noiseless suction system with capacity of 30 – 40 ltr/min or more with automatic switch ON/OFF when suction tube is picked up. Suitable filters should be provided for the safety of the system and back flow. A Ear rinsing funnel should be provided along with.</p>
<p>6. Mirror reheating unit should have 6V heating coil which could be comfortably located and user friendly.</p>	<p>Mirror reheating unit: The workstation should have an integrated Mirror heater with automatic OFF comfortably located and user friendly.</p>
<p>7. Warm Water Rinsing Device with autoclavable chrome plated handles with snap closure system and fine spray regulation valve.</p>	<p>Warm Water Rinsing Device: Inbuilt warm water ear rinsing system @ 37°C with handles with autoclavable tip and fine spray regulation valve. The water supply for the rinsing system should be connected to either hospital supply with suitable filters OR should be supplied with external water tank of capacity of 5 ltr or more to be used with Normal Saline. The system should be supplied with Autoclavable and exchangeable cannulas (3 sizes) with shield to the rinsing handle.</p>
<p>8. Automatic liquid container discharge system should be provided</p>	<p>Automatic suction: discharge system connected to hospital drainage or inbuilt discharge reservoir should be provided with overflow protection mechanism.</p>
<p>9. Kidney shaped air rinsing funnel (spittoon) on a swivel support</p>	<p>Water rising funnel (Spittoon) 2 pcs should be provided on a swivel support”</p>
<p>10. Fibre optic head light with comfortable adjustable head band</p>	<p>Fibre optic head light with adjustable luminous field, with adjustable headband with fibre optic cable length of 2.0 mtr or more.”</p>
<p>11. <u>Head Mirror with External halogen light / LED stand</u></p>	<p>Head Mirror with External LED/warm light: with adjustable and ergonomic head band should be supplied additionally</p>
<p>12. Suction tube cleaner with exchangeable reusable stainless steel adapter.</p>	<p>Inbuilt Suction tube cleaning system with automatic cleaning when used with exchangeable reusable stainless steel suction cannula 2 pcs</p>
<p>13. Endoscopy Center with LED light source 2 outlets, with horizontal light outlet.</p>	<p>Endoscopy Center with 3 LED light source with seperate outlets, comfortably located and user friendly”.</p>

<p>14. <u>Head Mirror Rest made of steel</u>, in a gallows shape types, with automatic on/off switch.</p>	<p><u>Head Lamp holder/Rest made of steel</u>, with automatic on/off switch when headlamp is removed or placed back.</p>
<p>15. Separate Instrument cabinet Unit should have stainless steel casing and PUR shaped top with large instrument surface with aluminium trays and set of stainless steel dividers. Plexiglas dust cover, integrated waste container with foot pedal removable melamine drawer for used instrument along with compartment for bottles behind the cover.</p>	<p>Separate Instrument cabinet Unit: should have steel casing and PUR shaped top or Powder coated with antibacterial and anti Microbial properties and easy to clean and disinfect, with large instrument surface in 2 levels with Stainless steel trays and set of stainless steel dividers. The cabinet should have 3 or more drawers for storage of instruments with dust protection cover. The cabinet should be integrated to the workstation</p>
<p>16. High Definition Endoscopy Portable System It should be a latest full HD C-MOS chip camera with high sensitivity to light and it could easily fit into any international endoscope through quick snap system. The portable unit for video endoscopy should have high resolution image quality and the camera along with cables should be fully soakable and disinfection liquid.</p>	<p><u>High Definition Endoscopy Camera and Medical grade monitor System</u> It should be a Single chip (1-MOS/CCD) full HD camera system with high sensitivity to light and it should easily fit into any international endoscope with universal C-Mount adapter. The Camera should be connected via HD signal (DVI/HDMI) directly to the monitor.</p>
<p>17. Touch screen monitor of 15" swivel mounted and a provision to connect 2 additional monitors and 2 additional cameras. It should have integrated software for application management which could be operated by touching the touch screen or with mouse or keyboard even with gloves. It should have a dual core processor for high performance and should have internal SSD memory up to 1 TB for approximately 15 hours of video recording or 10,000 high quality image</p>	<p><u>Medical Grade HD Monitor</u> of 19" or more swivel arm mounted on the unit on a column and connected via HD signal (DVI/HDMI) directly from the camera.</p>
<p>18. Patient Examination & Treatment Chair should have motorized lifting mechanism. The adjustment of seat height should be 30cm, within a range of 51cm to max . 71 cm height. Brake for locking the seat at both sides (left and right) and integrated foot switch to allow adjustment of the height. Should also have provision for external footswitch. The seat should be completely rotatable, 360 ° with 90 ° locating mechanism and must have lockable facility for rapid changes of position. Armrest should be comfortably padded and can be folded back for enabling easy sitting of overweight or backrest should be inclined to horizontal position and minus to Trendelenberg position and adjustable head rest. The unit must be equipped with a motor support for simultaneous movement of back and footrest. The unit should have stainless steel kick plate to protect areas. The unit should have provision for anti-tilt support. The seat should have synthetic leather</p>	<p>Patient Examination & Treatment Chair: should have motorized lifting mechanism. The adjustment of seat height should be 30 cm or more, within a range of 50 cm to 70 cm via integrated footswitch to allow adjustment of height. The seat should be completely rotatable, 360° and should have lockable facility for rapid changes of position. Break should be provided for locking the seat at both sides (left and right). Armrest should be comfortably padded and can be folded back for enabling easy sitting of overweight or backrest should be inclined to horizontal position. The chair should have adjustable head rest. The unit must be equipped with a motor support for simultaneous/ synchronous movement of backrest and legrest. The seat should have synthetic leather cover upholstery.</p> <p><u>Technical data</u> : Power Supply : 220V/50 Hz,</p>

cover . Technical data :Weight : not more than 110 kgs., Power Supply : 220V/50 Hz, Casing : Stable steel, Dimensions (Kick Plate) : 610 mm x 740 mm, Headrest: 15 cm adjustable height	
19. Doctor's Chair with pneumatic cylinder with adjustable seat height up to 75cm, , back support (curved), mobile on castors with steel chrome plated parts be supplied with the ENT Unit	Doctor's Chair: with height adjustable by Hand/ Foot, seat height up to 70cm or more, rotatable back support (curved), with or without foot ring, mobile on castors with chrome plated steel parts be supplied with the ENT Unit".
20. Rigid Endoscopes:- Ø 2.7 mm, 30° angle of view 175/180 mm length Ø 4 mm, 0° angle of view 50 mm length Ø 2.7 mm,70° angle of view 175/180 mm length	Rigid Endoscopes: Qty-1 Each:- Telescope, Diameter 4 mm, 30°, Enlarged View, Working Length 175-180 mm, Autoclavable Telescope, Diameter 4 mm, 0°, Enlarged View, Working Length 175-180 mm, Autoclavable Telescope, Diameter 10 mm, 90°, Enlarged View, Working Length 175-190 mm, Autoclavable
21. Flexible Nasopharyngoscope:- Ø 3.4 mm, 300 mm length, adjustable ocular , Angle of movement 120° - QTY-1 no	Flexible Nasopharyngoscope:- Qty-1 no Ø 3.4 mm, 300 mm length, adjustable ocular , Angle of movement 120° or more"
22. OTHER POINTS Added	Additional items: A) Computer system with recording software in latest windows platform and storage of 1TB for recording of both images and videos from the offered camera system in HD format. The system should be able to generate report with patient details, images and comments. The recording system should be offered with compatible color printer. B) Online UPS system with 15 minute backup for the complete offered system.
24 a) All essential equipment should of the same manufacturer.	All software & literature regarding the workstation should be made available with the equipment
c) Suppliers are also required to produce for all equipment the European CE with four digit identification code/USFDA certification	c) Suppliers are also required to produce for all equipment the European CE with four digit identification code/USFDA certification. The Manufacturer should have direct presence in India.
Added	Warranty should be 5 years from the date of installation.

Item No.2, Dental Chair with X- Ray Unit

Tender Specification	May Please Read As
1. Programmable DENTAL Chair (with foot Control ,Operators light, Chair mount unit hanging Cords only)	Programmable DENTAL Chair (with foot Control, instrument board , Operators light, Chair mount unit hanging Cords only)
1.(vii) Integrated bio-system for disinfection of hand piece tubing internally after every treatment	Deleted
4) Endomotor [optional] <ul style="list-style-type: none"> • Cordless endomotor • Reciprocating system • Push type miniature head • 6 memory programs • Ni-MH battery • 90 min usable • Max torque of 4.0 with 20:1 ratio 	Deleted
7) LED Xray view box (regular CT scan size)	Deleted
10) Wall-mount Dental X-ray unit <ul style="list-style-type: none"> • Tension of charge exposure: 70kVp • Max Current of the tube: 7mA • Time of exposure: 60ms a 3,2s • Nominal Focal point value: 0.8 x 0.8mm 	Wall-mount Dental High frequency X-ray unit (AERB Certified) <ul style="list-style-type: none"> • Tension of charge exposure: 50-70kVp in step of 1 KVp • Max Current of the tube:4-8mA in step of 1mA • Time of exposure: 40ms a 4s to 60 ms a 3,2s • Nominal Focal point value: 0.5 x 0.5mm to 0.8 x 0.8mm
12) X-ray films and developer & fixer	Deleted
M/s Skanray Technologies Pvt. Ltd has requested to add for Chair :	<ol style="list-style-type: none"> 1. Load Capacity of Chair should be 150 kg and above 2. The chair should be consist of 3way syringe, saliva ejector Rotable ceramic cuspidor, Rotatable assistant table. 3. The Chair should be European CE or USFDA certified.

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