

S. No.	Name of Stores	Number or quantity req. In metric system	Detailed Specifications
1	DENTAL CHAIR (HIGH END)	10	<p>Microprocessor controlled and fully digital and should be of solid cast aluminium and corrosion free construction. The instruments location should be interchangeable. Back rest tilting should be from 0 to 90°. The lifting capacity should not be less than 200 kgs. The seat height should be minimum 300mm to 400mm and maximum 800mm to 900mm. The headrest should be bendable and adjustable in height. It should have arm rest- removable right arm rest. It should have minimum 4 programs, The movement should be quiet and vibration free. Paint – epoxy paint finish. Upholstery should be seamless with viscoelastic foam for extra patient comfort. Seat and backrest should be such which should facilitate cleaning. Adjustable leg rest.</p> <p><u>Unit</u></p> <p>Over the patient doriot arms for six instrument locations with the facility for the following instruments.</p> <p>Fibre optic turbine (Three with coupling ), Fibre optic micromotor with Straight &amp; Contra angle hand pieces- 2 each Piezoelectric scalar with six tips Lightcure, 6 way syringe (with provision for cold water, cold spray, hot water, hot spray, air and light).</p> <p>➤ <u>Additional features</u></p> <ul style="list-style-type: none"> <li>❖ Spring balance instrument arm for movement and easy lock free height adjustment of console.</li> <li>❖ Easy maneuverability fitted with tray, ceramic/ glass cuspidor- autoclavable with bowl rinse and cup filler mechanism. For prevention of possible backflow from unit into municipal water supply air gap device is required.</li> <li>❖ Chair unit function operability from safety features should be such that the backrest should move freely upwards if obstructed. There should be a provision for automatic stop of backrest i.e. it should be touch sensitive.</li> </ul>

		<ul style="list-style-type: none"> <li>❖ A touch sensitive console for dentists use which should have feasibility for individual height adjustment and should have provision for two six way syringes (for dentist and assistant side).</li> <li>❖ Have integrated device to eliminate cross-contamination and additional hygienic measures like filter in suction line to trap amalgam particles.</li> <li>❖ Chair position should be automatic and manual.</li> <li>❖ Ceramic bearing in console arm.</li> <li>❖ It should have filters for compressed air and water 20µm to 30µm with automatic water separator.</li> <li>❖ It should have electrically activated valve for the modular fitting for prevention of reverse flow</li> <li>❖ Dry/ Wet line suction system with high and low volume with spittoon bowl valve and rinsing unit for continuous flushing</li> </ul> <p><u>Foot Control</u></p> <p>Foot control should have multidirectional knobs and functional lever.</p> <p><u>Operating Light</u></p> <p>LED operating light adjustable illumination from 30,000- 35,000 lux natural shadow- less without heat should be Halogen Light : Bulb should be 24 V, 150 Watt and with 5 Spare Bulb.</p> <p>Attachments: <u>Air Rotor Hand-piece</u>- High torque speed (rpm) 2-4 lac, fibreoptics, 3 water jets, push button type, autoclavable, titanium, antiretraction valve, extra cartridge and lubricant oil. <u>Mircomotor</u> -High torque, Speed 100-40000 rpm, titanium micromotor with internal spray and fibreoptics, air and water spray coolants, Hand pieces: straight and contrangle (autoclavable). Ultrasonic scaler and fibreoptic (optional). Piezoelectric, complete with 3 inserts, autoclavable, chuck for endodontics files, Light cure unit LED/ Halogen blue visible light with air cooling, gun type, voltage regulated,</p>
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		<p>programmable variable timer, protective eye shields, six way syringe, autoclavable.</p> <p>Dental operating stools- two-one for dentist and one for assistant ergonomically designed to respond to all the techno operative needs of the dentist made up of 5 spoke support base mounted on pivoting wheels each equipped with rubber tread.</p> <p>Seat with semi automatic padding rotatable with respect to the base and height adjustable.</p> <p>Padded backrest, height and inclination adjustable with epoxy paint finish and polyurethane upholstery. LCD monitor with thin film technology. Hardware. Back lighting LED for RVG. It should be unit integrated.</p> <p style="text-align: center;"><u>The additional requirements are as under:-</u></p> <ul style="list-style-type: none"> <li>➤ Warranty for 2 years</li> <li>➤ Spare parts should be available at least for 10 years</li> <li>➤ CAMC rates to be quoted for 5 years</li> <li>➤ It is essential that a monthly routine check for preventive maintenance over and above the CAMC must be carried by the company/representative/distributor after the expiry of the warranty period till the time the machine is in use and functioning in the hospital.</li> <li>➤ It is essential that the services of a company trained engineers are available within 24-48 hours.</li> <li>➤ It should comply with the BIS/ IEC 60601/ CE certified standards for electrical safety.</li> <li>➤ Supplier should give complete set of manuals with circuit diagrams of P.C. board. With trouble shooting guide.</li> <li>➤ Supplier should provide on site training to staff for maintenance of the equipment training to user for its functions.</li> <li>➤ Servo of appropriate rating needing ISI specifications input 140-290 V.</li> </ul>
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2	RVG	3	<p>Universal sensor sizes, Technology CMOS (Complementary metal oxide semi conductor) with scintillator, High image quality, smooth and rounded edges in sensors. Sensor cable includes only 2 wires. Magnetic connector, all sensor sizes marked on the connector. One control box with LED lights for visual feedback. Ethernet or USB versions. Integration with Intra X-ray.</p> <p>Sensor type CMCS with scintillator</p> <p>Scintillator</p> <table border="0"> <tr> <td>Material</td> <td>CsI</td> </tr> <tr> <td>Thickness</td> <td>0.7 mm (0.028 in.)</td> </tr> <tr> <td>Size</td> <td>Universal which can be oriented for smaller dimensions</td> </tr> <tr> <td>Overall</td> <td>39.7 x 25.05mm (1.56 x 0.99 in.)</td> </tr> <tr> <td>Active area</td> <td>31.5 x 20.7mm (1.24 x 0.81 in.)</td> </tr> <tr> <td>Sensor thickness</td> <td>6.4 mm (0.25 in)</td> </tr> <tr> <td>Number of pixels</td> <td>1050 x 690</td> </tr> <tr> <td>View delay</td> <td>&lt;5sec</td> </tr> <tr> <td>File size</td> <td>1.4 MB</td> </tr> <tr> <td>Physical pixel size</td> <td>15 μm</td> </tr> <tr> <td>Theoretical resolution</td> <td>33 lp/mm</td> </tr> <tr> <td>Pixel size</td> <td>30 μm</td> </tr> <tr> <td>Resolution</td> <td>&gt;16 lp/mm</td> </tr> <tr> <td>Cable length</td> <td>33.9in to 78 in.</td> </tr> <tr> <td>Control box dimensions</td> <td>112 x 46x 24 mm</td> </tr> </table>	Material	CsI	Thickness	0.7 mm (0.028 in.)	Size	Universal which can be oriented for smaller dimensions	Overall	39.7 x 25.05mm (1.56 x 0.99 in.)	Active area	31.5 x 20.7mm (1.24 x 0.81 in.)	Sensor thickness	6.4 mm (0.25 in)	Number of pixels	1050 x 690	View delay	<5sec	File size	1.4 MB	Physical pixel size	15 μm	Theoretical resolution	33 lp/mm	Pixel size	30 μm	Resolution	>16 lp/mm	Cable length	33.9in to 78 in.	Control box dimensions	112 x 46x 24 mm
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		<p>Power supply in Ethernet version 48 V DC 65 mA</p> <p>Power supply in USB version 5 V DC&lt;500 mA</p> <p>Cables                      USB version</p> <p>From interfacebox to computer fixed 2 or 5 m (78.7 or 196.9 in.)</p> <p>Ethernet version</p> <p>From interfacebox to PoE RJ 45max. 100 m</p> <p>From PoE to LAN RJ 45max. 100 m</p> <p>Power over Ethernet (PoE)</p> <p>Power supply                Single Port Injector</p> <p>Type                         PSA 16U-480</p> <p>Input Voltage               100-240 VAC (50-60 Hz)</p> <p>Output Voltage             48 VDC</p> <p>Max. Output current      0.35 A</p> <p>Insulation voltage primary secondary 3000 VDC</p> <p><u>Computer requirements</u></p> <table border="0"> <thead> <tr> <th></th> <th><u>Client work station</u></th> <th><u>Database server</u></th> </tr> </thead> <tbody> <tr> <td>Processor</td> <td>1 GHz</td> <td>2 GHz</td> </tr> <tr> <td>RAM</td> <td>1 GB</td> <td>2 GB minimum</td> </tr> <tr> <td>Hard disk space</td> <td>40 GB or more</td> <td>160 GB or more recommended</td> </tr> <tr> <td>Graphics card</td> <td>128 minimum memory</td> <td>128 minimum memory</td> </tr> <tr> <td>Monitor</td> <td>1280 x 1024</td> <td>1280 x 1024</td> </tr> </tbody> </table>		<u>Client work station</u>	<u>Database server</u>	Processor	1 GHz	2 GHz	RAM	1 GB	2 GB minimum	Hard disk space	40 GB or more	160 GB or more recommended	Graphics card	128 minimum memory	128 minimum memory	Monitor	1280 x 1024	1280 x 1024
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			Peripherals Back up medium Operating system  Other	CD-ROM drive None necessary Windows XP, 2003, Vista, Mac OS X, Linux Mac OS/ Linux support subject to contract Java Platform (Java Virtual Machine 1.6 or later) <b>Suitable Stabilizer</b>	CD-ROM drive DAT or equivalent Windows XP Pro, Windows 2003 server, Vista Java Platform (Java Virtual Machine 1.6 or later)
3	PANORAMIC and CEPHALOMETRIC X-RAY EQUIPMENT (With Digital Imaging)	1	<u>Main features</u> <p>Fully digital control, programmable, constant potential, microprocessor controlled resonance mode DC generator. Wall mounted or free standing, 3 joint selectively complaint articulated robotic arm that enables movements and versatile imaging geometries. Very high operating frequency 80-150 kHz. Maximum ripple 670 Vpp (0.4%. 84kV). Ultra short rise time, Very wide exposure parameters range, 1-16mA/54-84kV, Low patient dose. Technical factors and selected programs digitally displayed. Open positioning concept- free view to the patient from all directions, three laser positioning laser beams, easy access also for wheel chair patients. Motorized patient positioning and temple supports, automatic four blade primary collimator. Autofocus features.</p> <u>Selectable feature modules</u>  <u>Imaging mode</u> <ul style="list-style-type: none"> <li>Basic panoramic programmes, Lateral double TMJ program, PA double TMJ program, Sinus (straight layer)</li> </ul>		

		<p>programmes</p> <ul style="list-style-type: none"><li>• Vertical segmenting</li><li>• Advanced panoramic programmes: Horizontal segmenting, Interproximal panoramic program : The beam should be parallel to the interproximal teeth angulation. No overlapping of the teeth. Orthogonal Panoramic program: The beam is orthogonal to the jaw bone that offers advantages in implantology and traumatology and in periodontal disease diagnosis. Bitewing panoramic program, lateral-PA double TMJ program, lateral multiangle TMJ program, PA multiangle TMJ program, PA non rotational sinus program, lateral non rotational sinus program, Panoramic Dynamic Exposure Control, Cephalostat Dynamic Exposure Control</li></ul> <p><u>Two fixed sensor system</u></p> <p>One sensor for panoramic and one sensor for cephalometric imaging both fixed sensors. Small and adjustable pixel size, high resolution imaging. Automatic Gain Control (AGC) that optimizes digital sensor sensitivity to produce excellent image quality regardless of the patients tissue and bone thinckness. Dyanamic Exposure control (DEC) adapts the whole imaging chain individually for each patient's physio-anatomical characteristics to produce the optimal contrast and density. Dental Image contrast Enhancement (DICE) that adjusts and optimizes the contrast of the image automatically and brings out image details on the entire gray scale. Fast data link of image transfer. Radiation hardened long life sensor. Connection to computer. Versatile and easy-to-use software. DICOM compatible.</p> <p><u>Digital Cephalostat</u></p> <p>Factory installed, stable construction, automatic alignment of radiation source, functionally designed and easy to use head positioner, swiveling nasal support, low absorption carbon fibre ear posts. Magnification scale appears on the image, no mechanical soft tissue filter, soft tissue filtering in imaging software.</p>
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		<p><u>Technical Specifications</u></p> <p>Generator constant potential, microprocessor controlled, resonance mode, operating frequency 80-150 kHz. Power Factor Corrector should comply with IEC 601-2-7/198 standards</p> <p>X-ray tube D-054SB-P</p> <p>Focal spot size 0.5x0.5mm, according to IEC 336</p> <p>Total filtration min. 2.5mm Al eq</p> <p>Anode voltage Panoramics 50-84 kV Cephalometry 60-84kV</p> <p>Anode current Panoramics 1-16 mA Cephalometry 1-16 mA</p> <p>Exposure time Panoramics 2.5-16 s Cephalometry 0.2-5 s</p> <p>Focus to skin distance Panoramics min. 150 mm Cephalometry 1500 mm</p> <p>Magnification Panoramics constant 1.2 TMJ programs 1.35, 1.45 or 1.5 Sinus Programs 1.35 or 1.4 Cephalometry 1.13</p> <p>Line voltage 100-240 V, 50 or 60 Hz, Power Factor Corrector</p> <p>Line Current 8-15 A</p>
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		<p>Electrical classification Class I, type B</p> <p>Weight 113 kg (249 lbs) 130 kg (282 lbs) with cehalostat</p> <p>Chin rest level 96-178 cm</p> <p>Cephalostat ear post level 95-175 cm</p> <p>Cooling period automatically controlled</p> <p><u>Sensor specifications</u></p> <p>CCD pixel size 33 μm</p> <p>Image pixel size 66/99/130 μm (selectable)</p> <p>CCD active surface 9 x 136 mm, panoramic 9x 270 mm, cephalometric</p> <p>Resolution max. 9 lp/mm, pan 5.0-3.8 lp/mm, ceph</p> <p>Image field 14x30 cm, panoramic 24/27 x 18/30 cm, cephalometric</p> <p>Data transmission 10 MB/s</p> <p>Interface Ethernet (LAN)</p> <p>File size (uncompressed) Panoramic 4420 kB normal resolution 8770 kB enhanced resolution 17500 kB high resolution</p> <p>Pixel matrix Panoramic: 1032 x2144 pixels, normal resolution 1376 x2858 pixels,</p>
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		<p>enhanced resolution, 2064x 4288 pixels, high resolution</p> <p style="text-align: right;">Cephalostat 18x24: 1364 x 1818 pixels, normal resolution, 1818 x 2424 pixels, enhanced resolution</p> <p style="text-align: right;">Cephalostat 30 x 27: 2272 x 2045 pixels, normal resolution 3030 x 2727 pixels, enhanced resolution</p> <p>Soft tissue filter      software operated</p> <p>Scan time                2.5- 16 s, pan                                   6-18 s, ceph</p> <p><b><u>DRY LASER PRINTER COMPATIBLE WITH DIGITAL ORTHOPANTOMOGRAM AND CEPH MACHINE</u></b> <b><u>(Head &amp; Neck region)</u></b></p> <p>The digital X-ray printer machine should have easy operation, high film quality throughput, back up security and very clear well-defined image quality. Should have a print networking system.</p> <p>Advanced variable response (A-VR):-- Laser exposure thermal development system should be able to handle upto at least 40-50 flashes/hour with initial film output of 65 seconds with same image quality. Networking and connectable – high speed in built connection. Centralised printing. Dry laser imaging system- should utilize interpolation to magnify or reduce diagnostic images, read from modalities. Exposing the film surface to a modulating laser in accordance with the input data and should produce precise images while significantly reducing time. Cost efficiency (with no chemicals to handle and dispose)</p> <p>Advanced variable response (A-VR) Spline Interpolation. Be able to automatically detect and distinguish between image data and alphanumeric characters. Automatic Self calibration—Provision to print 24 step grayscale pattern to film and then measure its density. Bar code reader in the film drawer—which initiates auto film density correction function when a new batch of films is loaded. Smooth curve arranging – have provision for adjustment of tones to best match the diagnostic</p>
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			<p>needs of individual patients</p> <p>Recording Method                      Laser exposure thermal development system</p> <p>Applicable film                          Medical Dry Imaging, Film sizes- 8"x 10"</p> <p>Film loading                              Daylight film loading</p> <p>Film trays                                 Upto 3 trays</p> <p>Processing capacity                      200 sheets/ hour (8"x 10")</p> <p>Time required for first output        Min. 65 sec</p> <p>Gray scale resolution                  14 bits</p> <p>Pixel size                                 100/50 microns, which is selectable for all sizes</p> <p>Input channels                          One network channel</p> <p>Image memory                          512 MB</p> <p>Density adjustment                      Automatic density correction</p> <p>Sheets                                      125 sheets per packet, size- 8" x 10", quantity- 20 packs</p> <p>Voltage Stabilizer                      With appropriate rating compatible with the machine</p> <p>Other Essential requirements applicable to both PANORAMIC DIGITAL CEPHALOMETRIC X-RAY UNIT AND DRY LASER PRINTER</p> <ul style="list-style-type: none"> <li>➤ Warranty for 2 years</li> <li>➤ Spare parts should be available at least for 10 years</li> <li>➤ CAMC rates to be quoted for 5 years</li> <li>➤ It is essential that a monthly routine check for preventive maintenance over and above the CAMC must be carried out by the company/representative/distributor after the expiry of the warranty period till the time the machine is in use and</li> </ul>
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			functioning in the hospital. ➤ Suitable Servo
4	CERAMIC / PORCELAIN FURNACE	2	<ul style="list-style-type: none"> <li>• Should be microprocessor controlled</li> <li>• Should be able to store atleast 200 programs including idle and night cycle on CPU &amp; backup on smartcard.</li> <li>• Should be programmable with Air, Vacuum and Argon in each steps</li> <li>• Should be able to set 3 temperature setting on each cycle</li> <li>• Possible to progress heating cycle with increasing and or decreasing steps</li> <li>• Should have real time cycle status display (graphic as well as digital) with progress track on LCD screen.</li> <li>• Acoustic and optical alarm at the end of heating cycle</li> <li>• Should be possible to change the heating cycle programs during execution</li> <li>• The unit should start automatically in case of restoration of power in case mains power failure</li> <li>• Emergency manual vacuum release and plate lift / down</li> </ul> <p>Should be supplied with vacuum pump</p> <p>OR</p> <p>The ceramic machine should have a combination furnace which can be used for porcelain fused to metal and metal free ceramic. Equipped with a graphic monochrome display using a membrane sealed key pad. Menu navigator with graphic symbols. Standard press and firing programmes and many individual press and firing programmes. Furnace should be calibrated automatically with two temperature ranges using double range temperature calibration. Automatic crack</p>

			detection system. Heating muffle technology with homogenous heat irradiation during the heating process for optimum firing and press. Compact design, should occupy small space and be easy to transport.																
5	Dental Compressor (Oil free)	10	<p>Oil free medical grade monobloc compressor with steel tank. Double head 2 HP/Single Head 1.5 HP mounted on High Pressure deep drawn MS tank. Fitted with: Radiator/ Powerful cooling fan/silicon Column filter for drying/ filter.</p> <p>Specification</p> <table> <tr> <td>HP</td> <td>2 HP or 1.5 HP</td> </tr> <tr> <td>rpm</td> <td>1400</td> </tr> <tr> <td>Voltage</td> <td>230 VAC</td> </tr> <tr> <td>Ampere</td> <td>6.7 A</td> </tr> <tr> <td>dB-A</td> <td>65</td> </tr> <tr> <td>bar</td> <td>6</td> </tr> <tr> <td>free-flow Li/min</td> <td>130</td> </tr> <tr> <td>Tank capacity</td> <td>100-120 Ltrs</td> </tr> </table>	HP	2 HP or 1.5 HP	rpm	1400	Voltage	230 VAC	Ampere	6.7 A	dB-A	65	bar	6	free-flow Li/min	130	Tank capacity	100-120 Ltrs
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6	SPINDLE GRINDER	1	<p>Grinder should have variable speed upto 26000 rpm, Adjustable lamp and protection screen, Automatic spindle, Oil less maintenance free bearing, Should have provision to connect either to central</p> <p>OR</p> <p>It should have an integrated suction to collect dust. It should have easy bur changing. It should be robust spindle. It should have illuminated grinding area.</p>																
7	COMPUTER CONTROLLED LOCAL	2	The system should be supplied with following Items																

	ANESTHESIA DELIVERY SYSTEM		Microprocessor Drive unit with aspirate and reset button, Power light and cartridge volume light, Foot control with airhose, Hand piece, All the accessories with suitable disposable needles at least 3000
8	SURGICAL MICROSCOPE	3	<p>-Straight binocular head</p> <p>- Large field of view</p> <p>32mm Depth of Field</p> <p>Standard 10x eyepieces</p> <p>6-step turret magnification system</p> <p>Dual light source: 50W Bright White Metal Halide with a standard 12V 100 W Halogen Back up</p> <p>True coaxial through the lens illumination</p> <p>Live video and Digital Camera capable system with accessories</p> <p>10x Wide Field Eyepieces with Dioptic Locks (12.5 x and 20x also available)</p> <p>250mm Objective lens standard (175 mm-400 mm available)</p> <p>Mounting Options include: Floor, Wall, Ceiling, High Wall and Table</p> <p>Limited Lifetime Warranty</p> <p>Ultra bright 50W Metal Halide light source that is the brightest standard light source in the market with a bulb life of over</p>

		<p>2000 hours. In addition to the Metal Halide, every model comes with a standard backup. Halogen light source for uninterrupted operation. See how the best optics and best light make the Evolution xR6 the best choice for every operator.</p> <table border="0"> <tr> <td>Magnification Range 1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td></td> <td>2.3x</td> <td>3.2x</td> <td>5X</td> <td>8.2X</td> <td>12.8X 19X</td> </tr> </table> <p>Field of View 72mm      50mm 35mm 20mm 13mm 9mm</p> <p>0-180 degree inclinable head to rotate from 0 to 180 degrees. Adaptable cameras include DSLR, Point and Shoot, Camcorders and CCD Cameras. Angle rotation device allows the user to change the direction of the optic pad without changing the direction of the binocular head. Eyepieces come with either a 10x or 12.5x eyepieces.</p> <p>CCD Color camera- It offers a high resolution 1 chip CCD Color Camera.</p> <p>Video and Camera Adapters- It offers video and digital camera adapters to allow the addition of a digital camera for still images or a video for a live video option.</p> <p>Objective Lenses- Scopes come with a standard objective configuration of 250mm. Other objective lengths are available from 175-400mm, which are easily interchangeable.</p> <p><b>OR</b></p> <p><u>Headmounted Microscope</u></p> <p>Working distance : 300 mm to 700 mm (11.81 to 27.56 inches)</p>	Magnification Range 1	2	3	4	5	6		2.3x	3.2x	5X	8.2X	12.8X 19X
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		<p>Field of view : 30mm to 224mm (1.18 to 8.82 inches) with standard eyepieces</p> <p>Zoom : Stepless, controlled via footswitch, standard eyepieces: 20x (2.9-7x), Interchangeable eyepieces I:14x (2.0-4.8x)(optional), interchangeable eyepieces II :26x (3.75- 9x)(optional)</p> <p>Focus : Autofocus/speed focus/manual focus.</p> <p>Individual vision correction : Widefield eyepieces for eyeglass wearers Diopter setting for individual vision correction. Integrated coaxial light shadow free illumination of the working area at every working distance. Integrated autofocus camera High-quality documentation from the user's point of view, ½ inch color CCD, PAL or NTSC, compatible with every S-VHS connector.</p> <p>Hygeine: Should be possible to disinfect all parts. Transport 2 stable aluminium cases for transfer from one place to another</p> <p><u>Medical Illumination System</u></p> <p>Metal halide light source : Maximum light efficiency, 200 W</p> <p>Color temperature : 5500-6000 degrees Kelvin, daylight illumination</p> <p>Adjustable brightness, Optimum illumination at every working distance</p> <p>Filter : External orange filter.</p> <p><u>Databox and Footswitch</u></p> <p>Databox : Battery operated, Power supply 100-240V.</p>
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			<p>Footswitch controls microscope functions</p> <p><u>Trolley (optional)</u></p> <p>Storage microscope, Databox, Footswitch and Video System</p> <p>Monitor adapter :For mounting a flat screen with VESA 75 or VESA 100 standard</p> <p>Microscope holder: For storage</p> <p><u>Digital Video System</u></p> <p>Touch Screen User friendly operation</p> <p>High performance digital recording. Simultaneous acquisition of high-quality videos and still images, save directly to a USB stick. Networking and documentation DICOM compatibility for videos and still images, archiving in patient file.</p> <p>It should conform to :</p> <p>Medical Devices Directive 93/42/EEC</p> <p>IEC 60601-1: EN 60601-1; UL 60601-1; CAN/CSA-C22.2 NO. 601.1-M90, certified for safety</p> <p>Electromagnetic compatibility IEC 60601-1-2;EN 60601-1-2</p> <p>ISO 9001/ISO 13485 AND ISO 14001 certified for quality management.</p>
9	CORDLESS BLEACHING UNIT	3	Light Source: LED curing light with max light intensity of 1800 mW/cm <sup>2</sup> . Wavelength of 400-470 nm. A digital timer



		<p>Foot switch for easy operation to use the micromotor/endomotor for root canal preparation. Endomotor Flexibility of eight speed settings from 150-800 rpm, tubing for micromotor.</p> <p><u>Accessories</u></p> <p>1 probe cord, 3 file holders, 5 electrodes, 1 canal length tester, 3 DC 1.5 VAA battery, 1 handpiece rest, 1 AR oil, 1 AC adapter (100-240 V, 50/60 Hz) + disposable covers (1 box of 100).</p> <p><b>Option of Only Endomotor without Apex Locator compatible with the specifications and usage with Apex Locator mentioned at sr no. 36.</b></p> <p>Complete package includes control unit, motor assembly, foot pedal, power cord, control console, motor and handpiece. Standard contra-angle and 16:1 contra angle and 16:1 contra-angle that provides extra 8mm length. Vibration free endomotor with small head that increases access and visibility. Light weight to reduce hand fatigue and ergonomically designed low speed electrical motor. A digital rpm display and touch panel adjustment including motor reverse.</p> <p><u>Control Console</u></p> <p>Power source : 120 VAC, 230 VAC</p> <p>Output : 22-24 VDC, 0.5 A</p> <p>Power consumption: 30-31 VA</p> <p>Weight : 1700-1800 gms</p> <p>Dimesions (WxDxH) : 157x 210x 114 mm</p> <p><u>Motor and Handpiece</u></p>
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			<p>Motor dimensions L=95-97 mm, D=22-24 mm</p> <p>Motor weight 110-115 g</p> <p><u>Handpiece dimensions:</u> L=95-100mm, D=18-20mm</p> <p>Handpiece weight : 50-55 gms</p> <p>Speed range with 1:1 contra angle 4000-25,000 rpm and with 16:1 contra-angle 250 -1600 rpm</p> <p>Max torque 2.94 N cm (300 g.cm)</p>
11	INJECTABLE GUTTA/PERCHA UNIT + CLEANING KIT & 4 BOTTLES OF SOLUTION WITH BRUSHES	4	The thermoplasticised GP unit should comprise of ergonomically designed handpiece for comfort and control, a control unit that contains a temperature display, button for temperature presets. Stainless steel hand condensers- 05 nos (21mm) in different measurements (0.45-1.17 mm), Ni Ti Condensers- 03 nos in different measurements (40-60). 20,23,25 gauge needle diameter (pack of 6 each). Two viscosities of GP points: Regular flow GP box of 100 pieces and low temperature flow 150 GP box of 100 pieces. Four in one multi tool for plunger seal assembly, needle nut attachment, bending of needle and thermal protector removal, AC adapter.
12	Pindex System	1	Manual drilling synthetic care with accessories hand drill – 1 piece, set flexible socket former, tool for drill changing, socket wrench, pin introduction set,+ trimmer

13	Micro Surveyor	2	Precision instrument for milling, drilling, setting attached models, with tripodding, micro fit arm, exclusive hand piece with 360 degree rotation
14	Piezoelectric Ultrasonic Surgical Unit :-		<ul style="list-style-type: none"> <li>• Piezotome mode with form programs selected according to bone surgery</li> <li>• Sterilizable disconnect able cords &amp; hand pieces</li> <li>• Dual foot switch</li> <li>• Bone surgery kit, crown extension kit sinus lift</li> <li>• Supply voltage – 115 VAC /230 VAC-50/60 Hz.</li> <li>• Equipment Classification – Class I-BF Type</li> <li>• Vibration frequency – 28 KHz to 36 KHz</li> <li>• Peristaltic pump flow rate – 5 to 80 ml/Min approx. Depending on the mode used.</li> <li>• Purge function pump flow rate- 80 ml/Min. Approx.</li> <li>• Dimension (without bracket) : <ul style="list-style-type: none"> <li>Width – 350 mm</li> <li>Height – 110 mm</li> <li>Depth – 240 mm</li> </ul> </li> <li>• Weight (without accessories)- 2.6 Kg.</li> <li>• Multifunction dual foot switch <ul style="list-style-type: none"> <li>Width – 150 mm</li> <li>Height – 40 mm</li> <li>Depth – 190 mm</li> <li>Weight-500 gm.</li> </ul> </li> <li>• Hand piece cord-2000mm</li> </ul>