


EXTENSION OF CRITICAL DATES

In order to ensure healthy participation in the tenders, scheduled dates for receipt and opening of tender invited vide this office NIT No: JKMSCL/Dental M&E/2024/641 Dated: 27-11-2024 for the Procurement of "Dental Machinery & Equipments" is hereby extended as under:-

1	Last date and time for submission of online bids	04-02-2025 at 1600 hrs.
2	Date and time for online opening of technical bids	06-02-2025 at 1100 hrs.

All the T&C's of Tender shall remain unchanged.


 General Manager (Adm)
 JKMSCL
 Dated:- 20/01/2025

No: JKMSCL/GM(Adm)/2025/12239-43

Copy to the:-

1. MD, JKMSCL.
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JAMMU KASHMIR MEDICAL SUPPLIES CORPORATION LTD.

(Public Sector Undertaking of Govt of Jammu & Kashmir)

Corporate Office Jammu: Plot No 58, Friends Colony, Satyam Road, Trikuta Nagar, Jammu
Corporate Office Kashmir: Opposite State Motor Garage, Near Hajj House, Bemina Srinagar
Telephone: 0191-3510489 (Jammu), Telefax: 0194-2432008 (Srinagar)

CORRIGENDUM

In response to the pre-bid queries raised by various bidders and discussions thereon during pre-bid meeting held on 09-12-2024 towards e-NIT No: JKMSCL/Dental Machinery & Equipments/2024/641, Dated: 27-11-2024 issued for procurement of "Dental Machinery & Equipment" following **amendments & additions** are hereby made after vetted through the Technical Experts from End user department.

Item Description	Item Code	Tender Specification	Amended Specification/Name of Item
Air Rotor (Standard Head)	DEN2-14	<ul style="list-style-type: none"> • Push Button • Autoclave-able • Two hole normal felting • Speed 350000 – 400,000 • Preferably diamond cartridge. 	<ul style="list-style-type: none"> • : Push Button • Autoclave-able • Two hole normal felting • Speed 350000 – 400,000 • Durable Cartridge • Warranty as per NIT • Stainless Steel Body • LED light • 2 extra cartridge • High Torque
Air Rotor (Mini Head)	<u>DEN2-14(A)</u>	<ul style="list-style-type: none"> • Push Button • Autoclave-able • Two hole normal felting • Durable Cartridge 	<ul style="list-style-type: none"> • Push Button • Autoclave-able • Two hole normal felting • Durable Cartridge • Warranty as per NIT • Stainless Steel Body • 2 extra cartridge • High Torque
Dental Chair	<u>DEN2-19</u>	<ul style="list-style-type: none"> • Adjustable back rest • High quality porcelain basin--- • LED Light Good intensity sensor control • LED X-Ray viewer • Stainless steel instrument • Multifunctional foot control up, down back, forward and Z - position. • Assistant side bay console with ___ way syringe, suction holders & Light cure gun.----- • Switches for moving positions on front side & foot control. 	<p>Dental Chair (Fully Loaded) Without Compressor Compressor should be quoted separately</p> <ul style="list-style-type: none"> • Adjustable back rest • High quality durable spittoon. • LED Light Good intensity sensor control • LED X-Ray viewer • Stainless steel instrument tray • Multifunctional foot control up, down back, forward and Z - position.

		<ul style="list-style-type: none"> • With brushless micro- motor speed range 5000- 35000 rpm • With piezotronic scalar 4-5 tips. • With light cure gun with 4 curing modes----- • With zero – backache stool • pneumatic piston for up & down. • With light cure gun for curing composites having variable modes for curing 	<ul style="list-style-type: none"> • Assistant side bay console with 3 way syringe suction holders & Light cure gun. • Switches for moving positions on front side & foot control. • With piezotronic scalar 4-5 tips. • With zero – backache stool. • With light cure gun for curing composites having variable modes for curing. • In build motorized high volume and Low volume suction. • Two connections for Air Rotor Hand piece. One for micro motor and one for scaler. • High quality Air Rotor hand piece. • High quality Micro motor brushless with digital display 5000-35000 rpm having both straight and contra angle hand piece. • High quality pneumatic stool with lumber support.
Basic Dental Chair Electronic	DEN2- 19 A	<ul style="list-style-type: none"> • Adjustable back rest • High quality porcelain basin • LED Light Good intensity sensor control • LED X-Ray viewer • Stainless steel instrument • Multifunctional foot control up, down back, forward and Z - position. • Assistant side bay console with ___ way syringe; suction holders & Light cure gun. • Switches for moving positions on front side & foot control. • With brushless micro- motor speed range 5000- 35000 rpm • With piezotronic scalar 4-5 tips. • With light one green with 4 curing modes • With zero – backache stool pneumatic piston for up & down. • With light cure gun for curing 	<p>Dental Chair (Basic) With Compressor 0.75 HP</p> <ul style="list-style-type: none"> • LED Light Good Intensity sensor control • High quality durable spittoon • LED X-Ray viewer • Stainless steel instrument tray. • Multifunctional foot control up, down back, forward and Z - position. • Switches for moving positions on front side & foot control. • one connection for Air Rotor Hand piece. One for micro motor. • High quality Air Rotor hand piece. • 3 way syringe with suction holder. • High quality Micro motor brushless with



		composites having variable modes for curing	<p>digital display 5000-35000 rpm having both straight and contra angle hand piece.</p> <ul style="list-style-type: none"> • High quality pneumatic stool with lumber support.
RVG with Laptop	<u>DEN2-39</u>	<ol style="list-style-type: none"> 1. With true resolution greater than IP/MM2. 2. Sensor size: 2----- 3. RVG with cord 4. Should be compatible with all IOPA X-Ray machine 5. CMOS/CCD sensor 6. With Smooth Edges & Flexible cable 7. Laptop i5 with original and Latest window 	<ol style="list-style-type: none"> 1. With true resolution greater than IP/MM2. 2. Sensor size: 1.5 3. RVG with cord 4. Should be compatible with all IOPA X-Ray machine 5. CMOS/CCD sensor 6. With Smooth Edges & Flexible cable 7. Laptop i5 with original and Latest window 8. Sleeves-2000 disposable 9. Replacement warranty as per NIT with software updates for five years. 10. Five (5) license keys to be provided.
Pedo RVG Laptop	<u>DEN2-39(A)</u>	New addition	<p>Separate BOQ</p> <ol style="list-style-type: none"> 1. With true resolution greater than IP/MM2. 2. Sensor size: 1 3. RVG with cord 4. Should be compatible with all IOPA X-Ray machine 5. CMOS/CCD sensor 6. With Smooth Edges & Flexible cable 7. Laptop i5 with original and Latest window 8. Sleeves-2000 disposable 9. Replacement warranty as per NIT with software updates for five years. 10. Five (5) license keys to be provided,
Apex Locator	<u>DEN2- 64</u>	<ul style="list-style-type: none"> • Multiple frequency based (3rd Gen. & Above) • Dongle for calibration • Digital Display on Screen • Small and light weight • Inbuilt sound beep system for showing position of file. • With at least five lip clips and 	<ul style="list-style-type: none"> • Multiple frequency based (5th Gen. & Above) • Dongle for calibration • Digital Display on Screen • Small and light weight • Inbuilt sound beep system for showing position of file.

		<ul style="list-style-type: none"> file clips. Changeable Lithium battery 	<ul style="list-style-type: none"> With at least five lip clips and file clips. Changeable Lithium battery
Portable Light Cure Units	<u>DEN2-118</u>	<ul style="list-style-type: none"> Light Weight Cordless LED (430 - 490 nm) wave length Light intensity 800-1400 mm/cm² Built in Light meter for checking intensity Charging base Battery 1050 mA AH lithium battery. 	<ul style="list-style-type: none"> Light Weight Cordless with different modes. LED (430 - 490 nm) wave length Light intensity 800-1400 mm/cm² Built in Light meter for checking intensity Charging base Battery 1050 mA AH lithium battery (chargeable) Should include protective eye-shield.
Conscious Sedation Kit	DEN2-176	Oxygen failure Warning Device (OFWD) 65% Maximum N2O Concentration 35% Minimum O2 Concentration Diameter Index Safety System Positive Pressure O Delivery 2 OSHA Complaint Scavenger Pin Index Safety System Oxygen Fail Safe System Non-Rebreathing System Auto Nitrous Cut-off Anti Hypoxia System Oxygen Flush Valve. Nasal hoods of different sizes(especially pediatric.)	Oxygen failure Warning Device (OFWD) 65% Maximum N2O Concentration 35% Minimum O2 Concentration Diameter Index Safety System Positive Pressure O2 Delivery OSHA Complaint Scavenger Pin Index Safety System Oxygen Fail Safe System Non-Rebreathing System Auto Nitrous Cut-off Anti Hypoxia System Oxygen Flush Valve. Nasal hoods of different sizes(especially pediatric.) With compatible nitrous oxide and oxygen cylinder
Dental Lathe	DEN2-177	1400-2800 rpm, watt-250, 3 speed rating 60 min with 3 chucks (Buffer, stone & bur chuck) spare 01 set carbon equipped with 4" dia wheel stone.	1400-2800 rpm, watt-250, 3 speed rating 60 min with 3 chucks (Buffer, stone & bur chuck) spare 01 set carbon equipped with 4" dia wheel stone. With water suction
Phantom Head	DEN2-181	Phantom Double Head Simulator Unit includes in-built Light, i) Phantom Dual Head with Torso. ii) Air Rotor Control Box, with controls for Air Rotor. iii) Micromotor engine & control box and foot pedal (without hand pieces) iv) 3-way syringe. v) Pneumatic stool vi) Motorized up and down moment of body. vii) With control panel. viii) Typhodont Jaw set with	Phantom Double Head Simulator Unit includes in-built Light, i) Phantom Dual Head with Torso. ii) Air Rotor Control Box, with controls for Air Rotor. iii) Micromotor engine & control box and foot pedal (without hand pieces) iv) 3-way syringe. v) Pneumatic stool vi) Motorized front and back with up & down

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		teeth.	movement of body. vii) With control panel. viii) Typhodont Jaw set with teeth.
Plaster Dispenser Stainless Steel	DEN2-182	Capacity 10 Kgs SS Electric 230 V AC 50/60 Hz With Electric Controlled Unit for Dispensing required quality of plaster at steady rate and on/off Control switch and can be wall mounted	Capacity 10 Kgs SS Electric 230 V AC 50/60 Hz With Electric Controlled Unit for Dispensing required quality of plaster at steady rate and on/off Control switch and can be wall mounted. With stainless steel body
Soldering Unit.	DEN2-183	Soldering unit for all types of soldering applications produces high temperature flame without expensive fuel Produces intense Oxy-hydro flame Utilize only distilled water as fuel Produces carbon free fine flame Fine flame prevents annealing of adjoining are as during soldering Temperatures upto 2200 Celsius. Can be attained Used for soldering orthodontic attachments, cast partial dentures any metal dental parts Powered by 220volt AC Mains.	Item Name: HYDRO SOLDER Soldering unit for all types of soldering applications produces high temperature flame without expensive fuel Produces intense Oxy-hydro flame Utilize only distilled water as fuel Produces carbon free fine flame Fine flame prevents annealing of adjoining are as during soldering Temperatures upto 2200 Celsius. Can be attained Used for soldering orthodontic attachments, cast partial dentures any metal dental parts Powered by 220volt AC Mains. With two tips
Thyroid Collar	DEN2-185	As per BARC recommended specification, For Doctors and Patient Protection 1.5 to 2 mm width of lead.	As per BARC recommended specification, For Doctors and Patient Protection 0.5 to 0.8 mm width of lead.
X-RAY FILM VIEWER (2-SCREEN)/WITH AUTOMATICLIGHT/ LED	DEN2-187	<ol style="list-style-type: none"> 1. High-tech display system make sure the illumination of the film viewer symmetrical and high brightness. The technology shows the details of X-Ray which increase the accuracy of diagnosis. 2. The brightness reach 4000 CD/M2 Maximum and meet the requirement of X-Ray films with different density. 3. Ultra-thin design: A stream line shape & Ultra-thin design make the film viewer modern with brief style. The thickness of the film viewer is only 4.5 cm. 	Item Name: OPG Viewer "Specifications remain the same".



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		<ol style="list-style-type: none"> 4. Auto Switch: The screen is automatic turn on once the film insert in and shut down in the mean time of film pulled out. 5. High Luminance LED Backside Layout. 6. Adaptor Integrated. 	
B-Class Autoclave	DEN2-189	Front loading Capacity 17 liters or above Dry cycle Digital display Class B.	Front loading Capacity 17 litres or above Dry cycle Digital display Class B. With distillation Unit.
Warm vertical and back fill thermo plasticized Gutta percha obturating system	DEN2-190	<ol style="list-style-type: none"> 1. Should have system both for apical and back filling. 2. Multiple heating tip sizes of apical fill pen 30/0.04:40/0.06:50/0.08:60/0.10 3. Variable temp. Range (Max up to 220 degree Celsius) 4. Different range needles for backfill (20, 23 & 25) and length of 24 & 28 mm. 5. With touch start & stop button for heating. 6. Re-chargeable units. 7. Cordless Apical & back fill units. 8. With leaning solutions. 9. With set of hand pluggers for compaction. 10. With car. 	<ol style="list-style-type: none"> 1. Should have system both for apical and back filling. 2. Multiple heating tip sizes of apical fill pen 30/0.04:40/0.06:50/0.08:60/0.10 3. Variable temp. Range (Max up to 220 degree Celsius) 4. Different range needles for backfill (20, 23 & 25) and length of 24 & 28 mm. 5. With touch start & stop button for heating. 6. Re-chargeable units. 7. Cordless Apical & back fill units. 8. With leaning solutions. 9. With set of hand pluggers for compaction. 10. With cartridge
<u>Surgical operating microscope</u>	DEN2-191	<ol style="list-style-type: none"> 1. Progressive smooth zoom automated for continuous range of magnification. 2. 5 step magnification 3. Super bright illumination system-LED illumination of > 100000 Lux output. 4. 150-270 degrees of freedom in positioning the microscope. 5. Hand held control of efficient flexibility and brake system with locking the microscope head in desired position. 6. Double beam splitter. 7. DSLR Camera adapter with more than 24 mega pixel DSLR camera with 1G. 8. Built in video system with full HD. 9. Wall, floor mounted or on 	<p>Item Name: Surgical Operating Microscope Motorized.</p> <ol style="list-style-type: none"> 1. Progressive smooth zoom automated for continuous range of magnification. 2. 5 step magnification 3. Super bright illumination system-LED illumination of > 100000 Lux output. 4. 150-270 degrees of freedom in positioning the microscope. 5. Hand held control of efficient flexibility and brake system with locking the microscope head in desired position. 6. Double beam splitter.

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		wheels for easy movement. 10. Attachment of Eyepiece for Assistant.	7. DSLR Camera adapter with more than 24 mega pixel DSLR camera with 1G. 8. Built in video system with full HD. 9. Wall, floor mounted or on wheels for easy movement. 10. Attachment of Eyepiece for Assistant. 11. Laptop: INTEL CORE i7 processor or above 12. HDMI connection
<u>Surgical operating microscope</u>	DEN2-191(A)	1. With progressive smooth zoom automated for continuous range of magnification. 2. Super bright illumination system 3. Greater than 170 degree of freedom in positioning the microscope 4. Efficient brake system for enhanced flexibility and locking the microscope head in desired visual position with hand held control 5. Double beam splitter 6. DSL Adapter with DSLR camera 24 mega pixel or more and above with memory card 120 GB or above 7. Built in Video system with full HD+ 8. Ceiling mounted 9. Laptop inter core i7 processor or above. 10. HDMI connected	READ AS DELETED
Bleaching unit(light)-	DEN2-196	Whitening LED Class 1 type BF with light source air cooled On castor wheels With bleaching material include.	Item Name: Bleaching unit Portable
Metal grinder	DEN2-197	For grinding, polishing, roughening, cleaning and brushing of metal and synthetic material adjustable speed	For grinding, polishing, roughening, cleaning and brushing of metal and synthetic material adjustable speed. With brushless motor.
Polishing Lathe	DEN2-198	For plaster, stone and die, laboratory use. Dual working sides minimum speed 2800 rpm.	For plaster, stone and die, laboratory use. Dual working sides minimum speed 2800 rpm. With suction.
Water distiller	DEN2-	Produces water by Vaporization	Item Name: Water

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	200	and condensation 220 or above Volts capacity 5 litres or more	distiller table top.
Conservative training simulator	DEN2-202	<ol style="list-style-type: none"> 1. Phantom double Head Simulator Unit includes: in-built light, 2. Phantom dual Head with torso. 3. Airotor control box with controls for 4. Airotor. 5. Micromotor Control (with hand pieces and 3-way syringe. 6. Pneumatic Stool 7. Motorized Up & Down movement of body. 8. With Control Panel. 9. Typhodont Jaw Set with teeth 	READ AS DELETED
Intra Oral Camera	DEN2-203	<p>It should be with:</p> <ol style="list-style-type: none"> 1. 2-4 mega pixel 2. CMOS Sensor or semi conductor 3. Resolution 1600x1200 4. Auto focus 5. Zoom up to 4x 6. Light LED (500-6000K) 7. Snapshot, multi function button for capture, save and record 8. Compatible android windows 9. Cover Sleeves 	<p>It should be with:</p> <p>2-4 mega pixel or above</p> <ol style="list-style-type: none"> 1. CMOS Sensor or semi conductor 2. Resolution 1600x1200 3. Auto focus 4. Zoom upto 4x 5. Light LED (500-6000K) 6. Snapshot, multi function button for capture, save and record 7. Compatible android windows 8. Cover Sleeves (2000) 9. LED monitor with clamp/Hanger.
Oscillating saw with hand piece + reciprocating sagittal saw with module	DEN2-208	<ul style="list-style-type: none"> • Control Unit <ol style="list-style-type: none"> 1) Pump floor rate - should lie between 0-100ml/min 2) Power Supply - AC 230V, 50/60 Hz 3) Programs - 5 minimum • Micro motor (hand piece) <ol style="list-style-type: none"> 1) Instrument- oscillating saw with reciprocating and sagittal hand pieces 2) Torque - 50-80 NCM 3) Motor Speed- 200-40000 per minute 4) Transmission ratio of hand piece 1- 3.2:1 (reciprocating motion, forward/ reverse cutting direction) 5) Transmission ration 	<ul style="list-style-type: none"> • Control Unit <ol style="list-style-type: none"> 1) Pump floor rate- should lie between 0-100ml/min 2) Power Supply - AC 230V, 50/60 Hz 3) Programs - 5 minimum • Micro motor (hand piece) <ol style="list-style-type: none"> 1) Instrument- oscillating saw with reciprocating and sagittal hand pieces 2) Torque - 50-80 NCM 3) Motor Speed- 200-40000 RPM 4) Transmission ratio of hand piece 1- 3.2:1 (reciprocating motion, forward/ reverse cutting direction) 5) Transmission ration of hand piece 2- 3.5:1



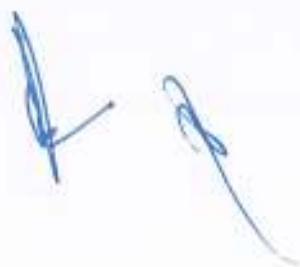
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		<p>of hand piece 2- 3.5:1 (oscillating motion, cutting direction 90° to the axis)</p> <ul style="list-style-type: none"> • Multipurpose foot control • Saw Size from 10, 15, 20, 30 (in mm) each 	<p>(oscillating motion, cutting direction 90° to the axis)]</p> <ul style="list-style-type: none"> • Multipurpose foot control • Saw Size from 10, 15, 20, 30 (in mm) each with extra 50 blades of each size
Carbon Monoxide Monitor	DEN2-207	<p>The Carbon Monoxide Breath Monitor measures the Carbon Monoxide levels in ppm (parts per million) in breath, It is an instant and non-invasive tool to bio chemically establish smoking status in an individual while acting as a motivational visual aid for the smokers.</p> <p>Essential Specifications:</p> <ol style="list-style-type: none"> 1. It should have color touch-screen display, 2. Response time should be < 30 seconds to 90% FSD. 3. It should have automatic calibration to ensure accurate results. 4. There should be provision of mouth pieces for excellent and low cost infection control. 5. There should be familiar green, amber and red traffic light system for making CO levels instantly identifiable to patients. 6. Sensor sensitivity should be 1 ppm. 7. Its weight should be in <250gm. <p>Desirable Specifications:</p> <ol style="list-style-type: none"> 1. Range should be 0-500 Carbon PPM Carbon Monoxide. <p>Environmental factors.</p> <ol style="list-style-type: none"> 1. Operation temperature range should be 0-40 degree Celsius. 2. Storage/transport temperature: 0-50°C 3. Operating/storage/transport pressure: Atmospheric ±10%. 4. Operating humidity : 15-90% non-condensing. 5. Storage/transport humidity: 0-95% 	<p>Item Name: Carbon Monoxide monitor with Breath Analyser</p>



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		Documentation User/Technical/Maintenance manuals to be supplied in English.	
Surgical motor and hand piece	DEN2- 209	a) Micromotor speed - 40000 rpm b) Torque - 4-6 Ncm	Item Name:-Surgical Motor with Contra angle & Straight Hand piece a) Micromotor speed - 40000 rpm b) Torque - 4-6 Ncm c) With external water irrigation.
Piezo surgical unit	DEN2- 210 (J)	Consisting of piezo electric ultrasonic transducer powered by an ultrasonic generator capable of drawing in arrange of specially cutting inserts like • P12 Surgery osteotomy-5 inserts minimum • P12 Surgery osteoplasty-5 inserts minimum • P12 periodontal surgery-3 inserts minimum • P12 surgery schin drain membrane-3 inserts minimum • P12 implant site preparation-7 inserts minimum • Voltage-100-240Vac,50-60Hz • Frequency-should lie between 20-40KHz • Max output power-120VA/20W • Length of cable -1.5-4m • Coolant flow rate at 100%-min 40 ml/min.	Consisting of piezo electric ultrasonic transducer powered by an ultrasonic generator capable of drawing in arrange of specially cutting inserts like • P12 Surgery osteotomy-5 inserts minimum • P12 Surgery osteoplasty-5 inserts minimum • P12 periodontal surgery- 2 inserts minimum • P12 surgery schin drain membrane- 2 inserts minimum • P12 implant site preparation- 4 inserts minimum • Voltage-100-240Vac,50- 60Hz • Frequency-should lie between 20-40KHz • Max output power- 120VA/20W • Length of cable -1.5-4m • Coolant flow rate at100%- min 40ml/min.
Piezo surgical unit	DEN2- 210 (S)	Consisting of piezo electric ultra sonic transducer powered by an ultra sonic generator capable of drawing in a range of specially cutting inserts like 1. P12 Surgery osteotomy seven inserts(0.5 mm thickness). 2. P12 Surgery osteotomy seven special inserts(0.35 mm thickness) 3. P12 Surgery osteoplasty (one inserts)	READ AS DELETED



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		<p>4. P12 surgery osteoplasty (three inserts)</p> <p>5. P12 periodontal surgery(two inserts)</p> <p>6. P12 surgery elevation schindrain membrane (one inserts)</p> <p>7. P12 implant site preparation (one inserts)</p> <p>8. P12 implant site preparation (two inserts)</p> <p>9. P12 implant site preparation (three inserts)</p> <p>The unit should have bone and root operating modes</p>	
Model Trimmer (Double Disc)	<u>DEN2-223</u>	<ul style="list-style-type: none"> • Minimum wheel size of 25cm or in with dual trimming and dry and wet trimming capability 	<p>Minimum wheel size of 25 cm or in with dual trimming and dry and wet trimming capability</p> <p>With both diamond and carborundum disk.</p>
Pressure Sensitive probe	<u>DEN2-227</u>	III Generation Probe, Standardized 15 gm pressure with optical encoder hand piece	III Generation Probe, Standardized 15 gm pressure with optical encoder hand piece Diameter 0.45 to 0.97 mm
Die Circular Saw with dust aspirator/ Extractor	<u>DEN2-232</u>	<ul style="list-style-type: none"> • Rotational Speed- 3500 r.p.m • Disc size: 80 mm/16mm/6.25 (OD/ID/T) • Power - 110w • Supply 220V/ 110V • Low noise • Stable rotation • Angle - Adjustable work platform • Should produce <ul style="list-style-type: none"> - Precise cut - Soft start - Quick stop - Low Noise • With Illumination lamp for clear vision • High precision and adjustable • Blade thickness 2 mm or less 	<ul style="list-style-type: none"> • Rotational Speed- 3500 r.p.m • Disc size: 80 mm/16mm/6.25 (OD/ID/T) • Power - 110w • Supply 220V/ 110V • Low noise • Stable rotation • Angle - Adjustable work platform • Should produce <ul style="list-style-type: none"> - Precise cut - Soft start - Quick stop - Low Noise • With Illumination lamp for clear vision • High precision and adjustable. • Blade thickness 0.2 mm or less
Cephalometric Software for 3D Evaluation	DEN2-238	<p>Operating System:-Windows 10 Professional 64 bits or Window 10 Home (with all Windows updates installed).</p> <p>Processor:-IntelCorei7 at 2.8 GHZ</p> <p>RAM Memory:-16 GB.</p> <p>Graphics Card:-Nvidia Graphics Card, 2GB, RAM</p> <p>Hard Disc:-2TB for the software</p>	<p>Operating System:-Windows 10 Professional 64 bits or Window 10 Home (with all Windows updates installed).</p> <p>Processor:-IntelCore i7 at 2.8GHZ</p> <p>RAM Memory:-16 GB.</p> <p>Graphics Card:-Nvidia Graphics Card, 2GB, RAM</p> <p>Hard Disc:-2TB for the</p>



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		<p>installation.</p> <ul style="list-style-type: none"> • Mouse:-External Mouse. 	<p>software installation.</p> <ul style="list-style-type: none"> • Mouse:-External Mouse • Software up-dation for minimum 5 years and next 5 yrs renewal.
X-Ray Machine DC	DEN2-241	<p>(a) DC unit Scissor Arm IOPA machine (b) Floor mount (c) RVG compatible (d) Voltage: 190 to 230 kv (e) KV: 60-70 KV (f) mA: 4 to 8 mA (g) Focal Spot: 0.4- 0.8 mm (h) Total filtration: 2 mm Al equivalent (i) Should be AERB approved (j) Should have remote for exposure & also should have exposure button with cord.</p>	<p>(a) DC unit Scissor Arm IOPA machine (b) Floor mount (c) RVG compatible (d) Voltage: 190 to 230 kv (e) KV: 60-70 KV (f) mA: 4 to 8 mA (g) Focal Spot: 0.4- 0.8 mm (h) Total filtration: 2 mm Al equivalent (i) Should be AERB approved Should have remote for exposure & also should have exposure button with cord Should have patient stool attached with machine & floor mounting.</p>
Automatic X-Ray film Processor	<u>DEN2-243</u>	For Intra Oral X-Ray (IOPA) with day light loader and timer display	For Intra Oral X-Ray (IOPA) with day light loader and timer display. For Intra Oral X-ray & for occlusal films.
Digital Panoramic and Cephalometric Imagine system (OPG)	<u>DEN2-244</u>	<p>1. X-Ray TUBE should have a) Line Voltage: 100-240 V. b) Filtration: Minimum 205 MM AL.</p> <p>2. DIGITAL SENSOR SYSTEM: should take both panoramic and Cephalometric Image by using sensor provided.</p> <p>3. BASIC UNIT a. Should be AERB approved /certified. b. Should be Floor Mounted Model. c. Patient positioning by bite block, Chin Motorized/ manual temple support. d. Should have following programs. a) Standard Panoramic Programmes. b) Reduced Dexposure Area for small patients. c) TMJ Programs d) Lateral and PA Cephalogramme.</p> <p>4. DIGITAL CEPHALOMETRIC SYSTEM SHOULD HAVE:- a) Automatic alignment of Radiation source. b) Should have Functionally Designed and easy to use Head</p>	<p>1. X-Ray TUBE should have a) Line Voltage: 100-240 V. b) Filtration: Minimum 2.5 MM AL.</p> <p>2. DIGITAL SENSOR SYSTEM: should take both panoramic and Cephalometric Image by using sensor provided.</p> <p>3. BASIC UNIT e. Should be AERB approved /certified. f. Should be Floor Mounted Model. g. Patient positioning by bite block, Chin Motorized/ manual temple support. h. Should have following programs. e) Standard Panoramic Programmes. f) Reduced Dexposure Area for small patients. g) TMJ Programs h) Lateral and PA Cephalogramme.</p> <p>4. DIGITAL CEPHALOMETRIC SYSTEM SHOULD HAVE:- a) Automatic alignment of</p>

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		<p>positioner.</p>	<p>Radiation source.</p> <p>b) Should have Functionally Designed and easy to use Head positioner.</p> <p>c) Should have Nasal support.</p> <p>5) COMPUTER CONFIGURATION REQUIREMENTS:</p> <p>a). Processor should be core 17 or better/ latest generation compatible with the machine.</p> <p>b) Should include 21 inch LCT/TFT Monitor with High resolution to ensure image quality.</p> <p>c) CD/DVD Burner, Graphic card Dedicated to System.</p> <p>d) Accept image from sensor without any loss of data.</p> <p>e) capable of Achieving, and printing selected images to a standard Dicom Destination in DICOM 3.0 format or Newer Version.</p> <p>f) Computer printer to be provide for paper printout/ reports.</p> <p>g) Mechanism for storing the patient image based on name, date etc.</p> <p>h) Operating system: Windows 7 or more.</p> <p>i) Should have software for printing on any DICOM printer and antivirus for the system.</p> <p>6. Dry Imager system (printer) should have:-</p> <p>a. Separate printer fully digital compatible with machine.</p> <p>b. Mechanisms to print images of OPG, CEPH and Programmers mentioned above. The tray should be adjustable to (8" x 10") and (10" x 12")</p> <p>c. Film for dry imager system. (8" X 10")- 1000 Numbers and (10" x 12") -- - 1000 numbers.</p> <p>d. Online UPS (6KVA) with batteries for operating all above mentioned equipments.</p> <p>e. 05 years of warranty for system to be provided by</p>
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			<p>the company and after completion of warranty period further 05 years of CMC to be provided at the installation side as provided in other Govt. Institutions.</p> <p>f. Should have separate CCD/CMOS sensor for OPG and CEPH</p>
<p>Digital OPG Machine without CEPH</p>	<p><u>DEN2-244(A)</u></p>	<p><u>New item</u></p>	<p>1. X-Ray TUBE should have</p> <p>a) Line Voltage: 100-240 V.</p> <p>b) Filtration: Minimum 2.5 MM AL.</p> <p>2. DIGITAL SENSOR SYSTEM: should take both panoramic and Cephalometric Image by using sensor provided.</p> <p>3. BASIC UNIT</p> <p>a. Should be AERB approved /certified.</p> <p>b. Should be Floor Mounted Model.</p> <p>c. Patient positioning by bite block, Chin Motorized/ manual temple support.</p> <p>d. Should have following programs.</p> <p>e. Standard Panoramic Programmes.</p> <p>f. Reduced Dexposure Area for small patients.</p> <p>g. TMJ Programs</p> <p>4) COMPUTER CONFIGURATION REQUIREMENTS:</p> <p>a). Processor should be core i7 or better/ latest generation compatible with the machine.</p> <p>b) Should include 21 inch LCT/TFT Monitor with High resolution to ensure image quality.</p> <p>c) CD/DVD Burner, Graphic card Dedicated to System.</p> <p>d) Accept image from sensor without any loss of data.</p> <p>e) capable of Achieving, and printing selected images to a standard Dicom Destination in DICOM 3.0 format or Newer Version.</p> <p>f) Computer printer to be provide for paper printout/ reports.</p> <p>g) Mechanism for storing the</p>




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patient image based on name, date etc.
 h) Operating system: Windows 7 or more.
 i) Should have software for printing on any DICOM printer and antivirus for the system.
 5. Dry Imager system (printer) should have:-
 a. Separate printer fully digital compatible with machine.
 b. Mechanisms to print images of OPG and Programmes mentioned above. The tray should be adjustable to (8" x 10") and (10" x 12")
 c. Film for dry imager system. (8" X 10")- 1000 Numbers and (10" x 12") -- - 1000 numbers.
 d. **Online UPS (6KVA) with batteries** for operating all above mentioned equipments.
 e. 05 years of warranty for system to be provided by the company and after completion of warranty period further 05 years of CMC to be provided at the installation side as provided in other Govt, Institutions.
 f. **Should have separate CCD/CMOS sensor for OPG**

Magnifying Loupes

DEN2-260

- Light weight – upto 60 gms
- With magnification of 305 x and above
- Adjustable papillary distance
- FOV dia – 60-90 mm
- LED light source- detachable (Mountable at front)-with lithium ion e-chargeable battery (Long life upto 4 hrs after one recharge)
- Light intensity of ≥ 35000 Lux (Luminous) at a distance of ≥ 200 mm.
- Working distance of 300-500mm for magnification of 3-3.5x
- Should have removable spectacle frame for putting vision correction lenses.
- Protective hand case with micro

- Please Read Item Name:
Battery light of Loupe
- Light weight – upto 60 gms
 - With magnification of 305 x and above
 - Adjustable papillary distance
 - FOV dia – 60-90 mm
 - LED light source- detachable (Mountable at front)-with lithium ion e-chargeable battery (Long life upto 4 hrs after one recharge)
 - Light intensity of ≥ 35000 Lux (Luminous) at a distance of ≥ 200 mm.
 - Working distance of 300-500mm for magnification of

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		<p>fiber wipe cloth, neck strap and cleaning solution for lenses.</p> <ul style="list-style-type: none"> • With anti scratch, multicoated anti reflective protective lenses. • Light source should have vertical direction of illumination with adjustable range of 1 45° 	<p>3-3.5x</p> <ul style="list-style-type: none"> • Should have removable spectacle frame for putting vision correction lenses. • Protective hand case with micro fiber wipe cloth, neck strap and cleaning solution for lenses. • With anti scratch, multicoated anti reflective protective lenses. • Light source should have vertical direction of illumination with adjustable range of 1 45° • Lithium battery 7 to 7.5 V, 2000- 2500 Ah. • Weight < 200 gm • Input Voltage – 100- 240 VAC • Max. Lower input- 15 VA • With Runtime ≥ 7 hrs after each recharge. • Re-Chargeable with a charger+
Battery light of loupe	<u>DEN2-261</u>	<ul style="list-style-type: none"> • Lithium battery 7 to 7.5 V, 2000- 2500 Ah. • Weight < 200 gm • Input Voltage – 100- 240 VAC • Max. Lower input- 15 VA • With Runtime ≥ 7 hrs after each recharge. • Re-Chargeable with a charger. 	READ AS DELETED
Electrically Operated Multi-Program Movable Pedo chair	<u>DEN2-135</u>	<ul style="list-style-type: none"> • Adjustable back rest unit mount chair without back • Basin should be high quality porcelain. • LED Light ; • LED X – ray viewers • Stainless steel instrument tray for keeping instruments. • Multi- function foot control. • Monitor mount arm with integrated wiring • High velocity continuous suction motor: should be well capsulated total noise free with insulated cover. • Ultra push air rotor hand piece with mini-head. • Brushless micro-motor with speed range of 20000 – 40000 r/hm • 3 – way syringe • Piezotronic scalar with 3-5 tips • Light curing unit gun type with 4 curing modes 	<ul style="list-style-type: none"> • Basin should be high quality porcelain. • LED Light ; • LED X – ray viewers • Stainless steel instrument tray for keeping instruments. • Multi- function foot control. • High velocity continuous suction motor: should be well capsulated total noise free with insulated cover. • Pedo air rotor hand piece with mini-head. • High quality Micro motor brushless with digital display 5000-35000 rpm having both straight and contra angle hand piece. • 3 – way syringe • Piezotronic scalar with 3-5 tips • Light curing unit gun type with 4 curing modes.

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		<ul style="list-style-type: none"> • Zero back ache stool – surgical stool having raising and lowering by pneumatic piston. 	<ul style="list-style-type: none"> • High quality pneumatic stool with lumber support • With Motorized Suction
Trihead Microscope	DEN2-121	<ul style="list-style-type: none"> i) Optical system: universal Infinity Corrected Optical System. ii) Focus should be fixed or revolving nose piece focus.15-30 mm focus stroke with coarse and fine adjustment limit stopper. High sensitivity fine focusing knob with 1 micrometer adjustment gradations. iii) Transmitted illuminator: high colour reproductively 14 Watt or more Led light source with life of 20,000 hours or more working hours. iv) Nosepiece Fixed or rotatable reversed coded quintuple or sextuple revolving nosepiece. v) Observation tube should be tilting trinocular/Siedentopf with field no.22-25 mm or more. Inter papillary distance 50-76 with three positions light distribution (100/0,50/50 or 20/80,0/100) vi) Eye piece: wide field paired 10 eyepiece with dioptre adjustment with field no.22 mm or more. vii) Stage: Ceramic coated coaxial stage with right hand control. Adequate space for keeping two slides together for comprison. viii) Condenser: Built-in condenser. ix) Objectives: Completely field flat Plan Achromat Objectives. 4×N.A.0.10&WD 18.5 mm or better, 10×N.A.0.25 &WD 10.6mm or better, 20×N.A.0.40&WD 1.2 mm or better 40×N.A.0.65&WD.06 mm or better 100×N.A.1.25&WD 0.13 mm or better. x) Multihead: the system should be supplied with additional teaching for 4 observers. Binocular head with paired of 	<ul style="list-style-type: none"> 1. Optical system: universal Infinity Corrected Optical System. ii) Focus should be fixed or revolving nose piece focus.15-30mm focus stroke with coarse and fine adjustment limit stopper. High sensitivity fine focusing knob with 1 micrometer adjustment gradations. iii) Transmitted illuminator: high colour reproductively 14 Watt or more Led light source with life of 20,000 hours or more working hours. iv) Nosepiece Fixed or rotatable reversed coded quintuple or sextuple revolving nose piece v) Observation tube should be tilting trinocular/Siedentopf with field no. 22-25 mm or more. Inter papillary distance 50-76 with three positions light distribution (100/0,50/50 or 20/80,0/100) vi) Eye piece: wide field paired 10 eye piece with dioptre adjustment with field no.22 mm or more. vii)Stage: Ceramic coated coaxial stage with right hand control. Adequate space for keeping two slides together for comprison. viii) Condenser: Built-in condenser. ix) Objectives: Completely field flat Plan Achromat Objectives. 4×N.A.0.10 & WD 18.5 mm or better. 10×N.A.0.25 & WD 10.6mm or better. 20×N.A.0.40 & WD 1.2 mm or better 40×N.A.0.65 & WD.06 mm or better 100×N.A.1.25 & WD 0.13 mm or better.

		<p>10X eyepiece with dioptre adjustment with field no 22 mm or more. Two colour LED based arrow pointer system i.e. Red & Green.</p> <p>xi) Digital Camera system scientific microscopy digital CMOS colour camera system 16 megapixel Image sensor(36 mm x 23 mm)/1/1.2",40-45 frame per second live display at 1024 x1024 resolution or better ,12-14 bit depth, pixel size 6x6 micrometer or more, Live cell Imaging ,USB 3.0 PC interface, Camera should e capable to capture BF/PH/Fluorescence images.</p> <p>xii) THE MICROSCOPE SHOULD BE USFDA / European CE APPROVED</p> <p>xiii) SOFTWARE: Image features like linear measurement, time lapse, Image processing, snap/movie acquisition, line profile, gallery view, annotations, data exports and statistics, multi-dimensional Image processing.</p> <p>xiv) Computer: Branded compatible P.C with i5 processor 4 GB RAM, 1 TB HDD < DVD writer, Keyboard, mouse, 21"TFT colour monitor & windows 10 professional (64 bit) or better.</p> <p>xv) Note: Microscope, Camera software should be from same manufac turer for better compatibility.</p>	<p>x) Multihead: The system should be supplied with additional teaching for 4 observers. Binocular head with paired of 10X eyepiece with dioptre adjustment with field no 22 mm or more. Two colour LED based arrow pointer system i.e. Red & Green.</p> <p>xi) Digital Camera system scientific microscopy digital CMOS colour camera system 16 megapixel or above Image sensor(36 mm x 23 mm)/1/1.2",40-45 frame per second live display at 1024 x1024 resolution or better, 12-14 bit depth, pixel size 5.9x5.9 or 6x6 micrometer or more, Live cell Imaging ,USB 3.0 PC interface, Camera should e capable to capture BF/PH/Fluorescence images</p> <p>xii) THE MICROSCOPE SHOULD BE USFDA / European CE APPROVED</p> <p>xiii) SOFTWARE: Image features like linear measurement, time lapse, Image processing, snap/movie acquisition, line profile, gallery view, annotations, data exports and statistics, multi-dimensional Image processing.</p> <p>xiv) Computer: Branded compatible P.C with i7 processor 16 GB RAM, 1 TB HDD < DVD writer, Keyboard, mouse, 21"TFT colour monitor & windows 10 professional (64 bit) or better.</p> <p>xv) Note: Microscope, Camera software should be from same manufac turer for better compatibility.</p>
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NOTE: Please read average annual turn over for last three financial years for the following items:




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- ✓ Den-244 Digital Panoramic and Cephalometric Imagine system (OPG) as Rs 05 Cr. instead of 01 Crore.
- ✓ Den-245 Hand piece autoclave as Rs 01 Cr. instead of Rs 05 Cr.

All the bidders are requested to keep themselves updated and submit their e-bids through e-portal www.jktenders.gov.in as per specifications & BOQs. The amendments/ modifications shall be available on www.jktenders.gov.in and www.jkmsclbusiness.com.

Rest of all terms and conditions shall remain unchanged.


21.01.25
General Manager (Adm)
JKMSCL
20/1/25

Leaves: 19 leaves

No: JKMSCL/Dental Machinery /Corg/641/2025/12265-68
Dated: -01-2025

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2. General Manager (K), JKMSCL.
3. Dy.General Manager Tendering, JKMSCL.
4. Assistant Programmer to uploaded on www.jktenders.gov.in and on www.jkmsclbusiness.com.
5. Office Record.



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