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CORRIGENDUM

Amendment Notice to the Tender Document bearing Tender Notice No-03/2020-20/Biomedical Eqpt./IGIMS/Store for the supply, installation and commissioning of Biomedical Equipment to the various dept. of IGIMS, Patna-

Amendment mentioned hereunder are notified:-

Description	Specifications mentioned in the Bidding Document	Should be read as follows:
Group C – Pathology		
Sr. No.-2 1. (Line no 4&5 of point no-5)	differentiation of Rod & Cocci; Yeast; Crystals (CRY): Calcium - <u>oxalate monohydrate</u> , <u>Calcium-oxalate dihydrate</u> , Uric acid, Triple phosphate; Mucus; Sperms.	Differentiation of Rod & Cocci; Yeast; Crystals (CRY): <u>Calcium</u> , Uric acid, Triple phosphate; Mucus; Sperms.
2. Point no- 12	equipment should have liquid level detection and should work with minimum <u>2ml</u> urine sample	equipment should have liquid level detection and should work with minimum <u>3ml</u> urine sample
Sr. No- 3 1 . Line no 1 & 2 of point no 3	transmitted light 12V100W halogen bulb (pre-centered) Light Intensity adjustment <u>centrally located</u> so both hands can be used to increase and decrease light	transmitted light 12V100W halogen bulb / <u>12-14W LED bulb</u> , Light Intensity adjustment <u>centrally/either side located</u>
2. Point no -4	Reversed <u>Septuple</u> Nosepiece with <u>DIC slot</u>	Reversed <u>Septuple/Sextuple</u> to increase and decrease light Nosepiece with <u>DIC slot</u>
3. Point no -5	Objectives: <u>Plan</u> 2x,4x, 10X, 20X, 40X, & Plan Fluor 100XOil	10X, 20X, 40X, 60X & Plan Fluor 100XOil
4. Point no - 8	(N.A <u>1.1</u>), for 2X -100X	<u>(N.A 0.9-1.1)</u> , for 2X -100X
Sr. No. 4 1.Line no -3	<u>Optional main Head</u> : Binocular ERGO head	<u>Main Head</u> : Binocular ERGO head
2. Line no 4	Main body with focus system and <u>X-LED</u> illumination for general purposes	Main body with focus system and <u>X-LED/LED</u> illumination for general purposes
3. Line no 6-8	Upgrade (controller) for any kind of motorization (stage, Z-axis.nosepiece, or all of them Together) (must be added for any motorized configuration)	<u>Deleted</u>
4. Line no 10-15	<u>Choice of Sextuple</u> reversed nosepiece, for RMS objectives <u>with DIC slot</u>	<u>Sextuple/Quintuple reversed/motorised</u> nosepiece,for RMS objectives <u>with DIC slot</u>

<p>5. Stage</p> <p>6. Point under Focussing</p> <p>7. Point under Condenser</p> <p>8. Point under ILLUMINATION</p>	<p>Sextuple motorized reversed nosepiece, for RMS objectives with <u>DIC slot</u> Choice of: <u>IOS W- PLAN 2X, 4X, 10X, 20X, 40X, 100X IOS W- PLAN 4X, 10X, 20X, 40X, 60X, 100X</u> <u>IOS W-PLAN F4X, 10X, 20X, 40X, 100X</u></p> <p>Choice of: Standard Mechanical Stage Rackless Mechanical Stage a MPC (Mineral Solid surface) rackless Mechanical Stage Heating stage,with digital temperature controller Motorized mechanical Stage</p> <p>Coaxial coarse and fine focusing <u>mechanism (graduated,0,002mm) with upper stop</u></p> <p>0.90/0.25 NA swing –out condenser (Required for use with 2xobjective) 0.90N.A swing-Out Condenser 1.20 N.A Swing-Out Condenser</p> <p><u>X-LED</u> with white LED; light intensity control using a knob on left side of the frame. LED power: <u>8w</u> (Comparable to a 100w halogen bulb).</p>	<p><u>IOS W- PLAN Achromatic/Fluor 2X- 100X</u></p> <p><u>Standard Mechanical Stage Rackless Mechanical Stage</u></p> <p>Coaxial coarse and fine focusing <u>mechanism with upper stop</u></p> <p><u>0.90/0.25 NA swing –out condenser (Required for use with 2x objective)</u></p> <p><u>X-LED/LED</u> with white LED; light intensity control using a knob on left side of the frame. LED power: <u>11-14W</u> (Comparable to a 100w halogen bulb).</p>
<p>Serial No-5 1. Line no 2&3 of point no 3 (Illuminator) 2. Point no 4 3. Point no 5 4. Point no 8 (Condenser)</p>	<p>adjustment Centrally located so both hands can be used to increase and decrease light and with auto light intensity Adjustment with change of objective lens</p> <p>Removable <u>Reversed Coded</u> quintuple Nosepiece</p> <p>Objectives: Plan 2x,4x, 10X, 40X, & 100XOil</p> <p>Condenser (<u>N.A 1.1</u>), for 2X -100X</p>	<p>adjustment Centrally/either side located</p> <p>Removable <u>Reversed</u> sextuple <u>Nosepiece</u></p> <p>Objectives: Plan <u>Achromatic/Fluor 2X</u> to 100XOil</p> <p>Condenser (<u>N.A 0.9-1.1</u>), for 2X -100X</p>
<p>Serial No- 11</p>	<p>Add</p>	<p>Capacity 95 litres</p>
<p>Serial No-15 1.Line no 4 2. Line no 7 3. LED HDMI TV 4. Note:</p>	<p>fixed spectroscopic ratio R:T= 50%:50% or 0:100</p> <p>Revolving Sextuple nosepiece;(For 6 objective), stopper for each objective. DIC Slot</p> <p><u>32"</u> LED HDMI TV for Image projection</p> <p>Microscope, camera and software from same make for better compatibility</p>	<p>fixed spectroscopic ratio R:T= 50%:50% or 20:80% or 0:100</p> <p>Revolving Sextuple nosepiece ;(For 6 objective), stopper for each objective. with <u>DIC slot</u></p> <p>55" LED HDMI TV for Image projection</p> <p><u>Deleted</u></p>

<p>Serial No-16 1. Illuminator</p> <p>2. Revolving nosepiece</p>	<p>Lamp House for LED with connecting cable having life Span of <u>20,000 hrs approx</u></p> <p>Reversed <u>Sextuple</u> revolving nosepiece. Should be upgradeable to DIC in future.</p>	<p>Lamp House for LED with connecting cable having life Span of <u>20,000 hrs or more</u></p> <p>Reversed <u>Sextuple/Quintuple</u> revolving nosepiece. Should be upgradeable to DIC in future (Optional).</p>
<p>Serial No- 17 1. High Capacity for High Efficiency</p> <p>2. Cold plate area</p> <p>3. Integrated para Trimmer</p> <p>4. Cold plate</p>	<p>5-liter paraffin capacity</p> <p>For 72 molds</p> <p>A heated wax trimmer built directly into the workspace which removes excess paraffin at the embedding station</p> <p>10.4°F, -12</p>	<p>4-5-liter paraffin capacity</p> <p><u>For 70-80 standard cassettes</u></p> <p>A heated wax trimmer built directly into the workspace which removes excess paraffin at the embedding <u>station / Paraffin scrapper, Dedicated waste tray for removing excess paraffin (Optional)</u></p> <p>10.4°F, in between <u>-12 to -6</u></p>
<p>Serial No-18 1. Line no 8</p> <p>2. Line no 13</p> <p>3. Line no 23</p>	<p>Max capacity of microwaveable <u>plastic basket – 252 cassettes</u></p> <p>Retort draining: <u>selectable (80, 120, 140 seconds), 3 steps</u></p> <p>Clean cycle bottles: <u>3, plus 1 external</u></p>	<p>Max capacity of microwaveable <u>plastic/Metal basket in between 240 –280 cassettes</u></p> <p>Retort draining: <u>selectable in 3 steps (Optional)</u></p> <p>Clean cycle bottles: 3, plus 1 external (<u>optional</u>)</p>
<p>Serial No-19 1. Increments Line no 16</p> <p>2. Section thickness range</p> <p>3. Specimen retraction</p> <p>4. Horizontal feed range</p>	<p>0.5µm increment from 0.5 - 2µm 1µm increment from 2 - 10µm 5µm increment from 20 - 30µm 10µm increment from 30 – 40µm</p> <p>TRIM: 5 up to 500 µm From 10 -100 µm in 10 µm- increments From 100-200 µm in 20 µm- increments From 200-500 µm in 50 µm- increments</p> <p>during return travel should <u>be 40µm</u></p> <p>should be <u>28 mm</u></p>	<p>0.5µm increment from 0.5 to 5 µm 1µm increment from 2 - 5-20 µm 5µm increment from 20 - -60 µm 10µm increment from 30 – 100 µm</p> <p>TRIM: 5 up to 500 µm or 600 µm From 10 -100 µm in 10 µm- increments From 100-200 µm in 20 µm- increments From 200-500 µm in 50 µm- increments <u>OR</u> From 1-10 µm in 1µm increments from 10 - 20µm in 2 µm increments from 20-50 µm in 5 µm increments from 50-100 µm in 10 µm increments from 100-600 µm in 50 µm increments</p> <p>during return travel should be in the <u>range of 5-100µm</u></p> <p>should be <u>24-28 mm</u></p>

5. Vertical Specimen stroke	<u>72 μm</u>	<u>70-72 μm</u>
6. ROCK Mode	Availability of ROCK Mode	<u>Availability of ROCK Mode/fast homing memory</u>
7. Cutting drive:	manual by means of hand-wheel	manual by means of <u>hand-wheel/Fast homing memory option</u>
8. Speed for coarse feed	400,800 & 1200 <u>μm</u>	in range of 300-400,800 & 1200-1800 <u>μm</u>
Serial No-20 Point no 17	To provide the quotations for image analysis 1 Tender - Supply	<u>Deleted</u>
Serial No-24 1. Point no 4	correct Staining Protocol based on transponder & <u>Color –code system</u>	correct Staining Protocol based on transponder & Color –code <u>system or by choosing reagent configuration and protocol</u>
2. Point no5	<u>34</u> reagent stations and 6 wash stations of <u>450ml</u> capacity	<u>30-34</u> reagent stations and <u>4-6</u> wash stations of <u>450-600ml</u> capacity
3. Point no 11	Reagent management System, Station information on touch screen & Data Logging should be available	<u>Reagent management System (Optional/Preferable)</u> , Station information on touch screen & Data Logging should be available
Serial No- 26 1. Point c	Gradient PCR= capable of testing 12 different temperatures simultaneously across a gradient range of <u>1-20</u> and a temperature gradient from <u>30-99°C</u> , with minimum 0.1°C increment in gradient	Gradient PCR= capable of testing 12 different temperatures simultaneously across a gradient range of <u>1-20/1-30</u> and a temperature gradient from <u>30-80 or 99°C</u> , with minimum 0.1°C increment in gradient
2. Point d	Block ramp rate: <u>5.0°C/Sec</u>	Block ramp rate: 5.0°C/Sec or upto <u>3.4°C/Sec</u>
3. Point E	Sample ramp rate: <u>4.4°C/S</u> Temperature range <u>4-99°C/S</u> Temperature accuracy: <u>±0.2°C</u> Temperature uniformity: <u>±0.3°C (20-72°C)</u> Gradient technology should ensure identical ramp rates in both gradient and normal operations	Sample ramp rate: <u>4.4°C/S or 3.4°C/S</u> Temperature range <u>4-99° or 100 ° C/S</u> Temperature accuracy: <u>±0.2°C or ±0.25°C</u> Temperature uniformity: <u>±0.3°C (20-72°C)</u> Gradient technology should ensure identical ramp rates in both gradient and normal operations
Point g	Lid temperature range of <u>33-110°C</u>	Lid temperature range <u>in between 33-115°C</u>
Serial No-31 1. Point no 5	Antibody menu of <u>more than 20</u> primary antibodies at one time	Antibody menu of <u>20 or more</u> primary antibodies at one time
2. point no 6	<u>Minimum antibody dispensation of 100 ul to maximum of 600 ul</u>	<u>Optimum antibody dispensation of 100 ul</u>
3. point no 9	Should have <u>3 independent horizontal platforms with a capacity of 10 slides per platform.</u>	Should process minimum <u>20 slides</u> at a time
4. point no 10	The Immuno Stainer should have the capacity of	The Immuno Stainer should have the capacity of

5. point no 14	staining 30 Slides at a time. The Stainer should have the facility for minimum usage as 100ul/test and the reagent container capacity may be 7ml or 30ml.	staining of <u>minimum 20 Slides</u> at a time. The Stainer should have the facility for minimum usage as 100ul/test and the reagent container capacity may be in between 5- 30ml.
6. point no 16	The stainer should have Robotic <u>ID Imager</u> to identify the slides and reagents loaded in the processing Module	The stainer should have Robotic <u>ID Imager/Barcode reader</u> to identify the slides and reagents loaded in the processing Module
7. Point no 17	The Stainer should have optical Character Recognition (OCR)	Optional: The Stainer have optical Character Recognition (OCR)
8. Point no 19	Reagent Dispensing Method should be rinsed <u>probe method.</u>	Reagent Dispensing Method should be <u>rinsed automatically or by probe or contactless method.</u>
Group –D : Pharmacology		
	No Change	No Change
Group- G : PMR		
<u>Serial No-4</u>	Automation Type -Semi-Automatic Timer -Digital Speed Indicator (RPM)-Digital (Microprocessor) Display-LCD Speed Range -500-4000 RPM Voltage -220V Rotor to Adopt 4 PRP Kits	1) PRP Machine should produce highly concentrated Platelet rich plasma (>5times) and preferably have options of producing a three biologics (autologous platelet concentrate, bone marrow aspirate concentrate and adiprep) in same machine. 2) Provide with either or both fixed angle and/or swinging rotors.. 4) Speed of the Centrifuge Machine will around 500- 4,000 rpm. 5) It will provide maximum force around 2,900x g, Maximum capacity should be around 200ml (minimum 4 tubes capacity) 6) Microprocessor controls on all run parameters (RPM/RCF, Acceleration, deceleration, time & temperature) for consistent high platelet's yield. 7) Centrifuge machine should show numeric display, timer etc.: LCD display to select parameter, feather touch keypads. 8) Provided with program to run at recommended temperature for blood processing – to avoid Hemolysis. 9) Centrifuge machine dimension will be around 400x500x300 (H) mm, Weight will be 20-30 kg. 10) Power supply of the centrifuge machine will be around 110-220V, 3A. 11) Provision of safety features-Door interlock, imbalance cut off, overload protection. 12) Easy to clean stainless steel chamber. 13) The PRP machine should provide 100 or more PRP kits. 14) Machine must be ISO, CE & FDA clearance

		certificates.
Serial No-13 1 point No-1 EMG System	Number of channels: Two	Number of channels : Two / four
• Note = Service centre should preferably in Patna		

Last Date of submission of completed bidding Documents	30/06/2020 up to 4.00 P.M by registered /speed post/Courier only.	07/07/2020 up to 4.00 PM by registered /speed post/Courier only.
Date of opening of technical bid	01/07/2020 at 3.30 PM in Conference Hall, IGIMS, Patna	08/07/2020 at 3.30 PM in Conference Hall, IGIMS, Patna

Please Note:

1. The Standard / certificate mentioned as CE/USFDA should be Read as: **ICMED 9001/ICMED 13485/ICMED 13485 Plus/CE/USAFDA**
2. All other specification, terms & conditions of the original tender document shall remain unchanged.
3. This amendment shall be part of the tender documents and become effective immediately in supersession to the earlier corresponding version.

The documents also can be downloaded from the IGIMS website www.igims.org.

[Handwritten Signature]
23/6/2020

Director
I.G.I.M .S , Patna