

07-10-2017

**Amendment No. 1****Sub: Amendment to the referred tender enquiry****Ref.: Tender Enquiry HITES/PCD/PMSSY-III/15/PAT/17-18 Dated: 25.09.2017**

The following changes are being incorporated in the above referred Tender Enquiry Document

**Section VII  
Technical Specification**

<b>Sch No. 01: Tissue Processor Automated</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
<b>1</b>	<b>Para 2:</b> The System should have inbuilt vacuum with fume control	<b>Para 2:</b> The System should have inbuilt vacuum with fume control. It should provide vertical/spiral agitation
<b>2</b>	<b>Para 9:</b> Drain time should not exceed 60 sec.	<b>Para 9:</b> Deleted
<b>3</b>	<b>Added para</b>	<b>Cassette capacity 150-300 per bucket</b>

<b>Sch No. 02: Automated urine analyser</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
<b>1</b>	Para 5: For Sediment analysis the instrument must be based on Fluorescence Flow cytometry for measurement of Parameters such as RBC, WBC, Epithelial Cells, Cast and Bacteria with Separate Channels with Dedicated Staining Dyes for Measurement of Bacteria and Sediments.	<b>Para 5:</b> For Sediment analysis the instrument must be based on Fluorescence Flow cytometry/Image capture technology for measurement of Parameters such as RBC, WBC, Epithelial Cells, Cast and Bacteria with Separate Channels with Dedicated Staining Dyes for Measurement of Bacteria and Sediments.
<b>2</b>	<b>Added Para</b>	<b>Added Para:</b> Calibration to be provided by the supplier as and when required with no added cost

<b>Sch No. 03: Automatic Slide stainer</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
<b>1</b>	<b>Para 3:</b> Bench unit with programmable microprocessor control and 4-line display and touchpad keyboard in external operating console.	<b>Para 3:</b> Bench unit with programmable microprocessor control and 4-line display and touch screen/ keyboard in external operating console.
<b>2</b>	<b>Para 6:</b> Divided transparent methacrylate cover over the entire working area to protect the user against hazardous vapors. The slide carrier can easily be removed without having to open the entire hood.	<b>Para 6:</b> Divided transparent methacrylate cover over the entire working area to protect the user against hazardous vapors.
<b>3</b>	<b>Para 8:</b> 16 reagent stations each with upto 600 ml capacity	<b>Para 8:</b> 16-26 reagent stations each with upto 300-600 ml capacity
<b>4</b>	<b>Para 13:</b> Slide capacity of carrier: 70 slides in vertical position	<b>Para 13:</b> Slide capacity of carrier: 40-70 slides per carrier in vertical position

<b>Sch No. 03: Automatic Slide stainer</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
5	<b>Para 18:</b> Permanent memory capacity for up to 40 different programs <b>with up to 50 sequences</b>	<b>Para 18:</b> Permanent memory capacity for up to 40 different programs
6	<b>Para 22:</b> <b>Battery backup of 40 minutes.</b>	<b>Para 22:</b> <b>Battery backup of 1 hour</b>
7	<b>Para 24:</b> Printer Connection	<b>Para 24:</b> Printer/ USB Connection
8	<b>Para 28(f):</b> 2 Stainless steel bath covers	<b>Para 28(f): Deleted</b>

<b>Sch No. 04: Blood cell counter 5 Part</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
1	<b>Para 23:</b> Must extend analysis time for cytopenic samples (RBC, Plt and WBC)	<b>Para 23:</b> <b>Deleted</b>
2	<b>Para 25:</b> Option for analysis of body fluids	<b>Para 25:</b> <b>Option for analysis of body fluids and controls for body fluids to be provided</b>
3	<b>Para 31:</b> Should not use more than 5 reagents including cleaning agent in order to minimize inventory, lot to lot quality control, maintenance and calibration	<b>Para 31:</b> <b>May use more than 5 reagents but price for all reagents should be quoted seperately and the price should be fixed for next 7 years</b>
4	<b>Para 32:</b> Should have inbuilt autoloader cum mixer with capability of loading min 90 samples at any time	<b>Para 32:</b> <b>Should have inbuilt autoloader cum mixer with capability of loading min 50 samples at any time</b>
5	<b>Para 35:</b> Calibrators should be available when needed i.e Quarterly (3 months in a year) or on failure of QC	<b>Para 35:</b> <b>Calibrators should be available as and when needed</b>
6	<b>Para 36:</b> Coefficient of variation of test should be less than 30 % of the recommended total acceptable error as the CLSI	<b>Para 36:</b> <b>Coefficient of variation should be as follows: For RBC, Hct and Hb 6%, for TLC and Platelets 15% of test as recommended by CLSI</b>

<b>Sch No. 05: Centrifuge Cyto</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
1	<b>Para 5:</b> Should be equipped with Biological safety cabinet for safety of the operator	<b>Para 5:</b> <b>Deleted</b>
2	<b>Para 11:</b> Speed 100 to 4,000 rpm.	<b>Para 11:</b> <b>Speed 200 to 2,500 rpm.</b>

<b>Sch No. 08: Cryostat</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
1	<b>Para 7:</b> Maintenance free microtome with section thickness setting range from 0.5 to 30 micrometer should be available.	<b>Para 7:</b> <b>Maintenance free microtome with section thickness setting range from 0.5 to 100 micrometer should be available.</b>
2	<b>Para 11:</b> Motorized rapid and slow coarse feed preferably at two speeds 500µm/s & 1000 µm/s should be available.	<b>Para 11:</b> <b>Motorized rapid and slow coarse feed</b>

<b>Sch No. 08: Cryostat</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
<b>3</b>	<b>Para 12:</b> Trimming facility from 5 to 150 $\mu\text{m}$ +/- 0.5 $\mu\text{m}$ , in steps of 5, 10,30,50,100,150 $\mu\text{m}$ should be available.	<b>Para 12:</b> Trimming facility from 5 to 500 $\mu\text{m}$ +/- 0.5 $\mu\text{m}$ , in steps of 5, 10,30,50,100,150 $\mu\text{m}$ should be available
<b>4</b>	<b>Para 21:</b> System should be quoted with Disposable Blade system of both high and low profile. Instrument should be supplied with minimum 150 high profile and 100 low profile disposable blades and 2 sets of brushes.	<b>Para 21:</b> System should be quoted with Disposable Blade system of both high and low profile. Instrument should be supplied with 5 packets (comprising 50 blades) each of high and low profile blades and 5 brushes.
<b>5</b>	<b>Para 24:</b> Facility of UV lamp decontamination should be available	<b>Para 24:</b> Facility of UV lamp/ Cold D/ Ozone decontamination should be available

<b>Sch No. 10: Deep Freezer -80 deg</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
<b>1</b>	<b>Para 11:</b> Freezer should be quoted with CO2 Backup along with CO2 cylinder.	<b>Para 11:</b> Deleted
<b>2</b>	<b>Added Para</b>	<b>The compressor should be tropicalized</b>

<b>Sch No. 12: Embedding station with Hot and Cold Table &amp; paraffin Dispenser</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
<b>1</b>	<b>Para 6:</b> Mold warmer temperature programmable from 55°C to 70°C with +/- 1°C steps	<b>Para 6:</b> Mold warmer temperature programmable from 50°C to 70°C with +/- 1°C steps
<b>2</b>	<b>Para 7:</b> Work surface temperature programmable from 55°C to 70°C with +/- 1°C steps	<b>Para 7:</b> Work surface temperature programmable from 50C to 70°C with +/- 1°C steps

<b>Sch No. 15: Microscope (Binocular with CCD Camera) Ammended as: Microscope (Binocular with Scientific Grade Camera)</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
<b>1</b>	<b>Heading:</b> Microscope (Binocular with CCD Camera)	<b>Heading :</b> Microscope (Binocular with Scientific Grade Camera)
<b>2</b>	<b>Para 3:</b> Choice of different powers of objectives (long barrel 4X, 10X, 40X spring, 100X oil, spring). Objectives should be flat apochromatic.	<b>Para 3:</b> Choice of different powers of objectives (long barrel 4X, 10X, 40X spring, 100X oil, spring). Objectives should be pan achromat
<b>3</b>	<b>Para 6:</b> Swing out Type Plan Achromatic Condenser, N.A. 0.90.	<b>Para 6:</b> Swing out Type Plan Achromatic Condenser, N.A. 0.90. is preferable
<b>4</b>	<b>Para 7:</b> Light Source: LED	<b>Para 7:</b> Light Source: LED Segmented/Flyer eye
<b>5</b>	<b>Para 11:</b> C Mount Adapter	<b>Para 11:</b> C/F Mount Adapter

<b>Sch No. 15: Microscope (Binocular with CCD Camera) Ammended as: Microscope (Binocular with Scientific Grade Camera)</b>		
6	<b>Para 12:</b> High resolution Digital CCD Camera with resolution: 12.0 mega pixels	<b>Para 12</b> High resolution Digital CCD/CMOS Camera with resolution: 6.0 mega pixels, pixel size 5x5µm.
7	<b>Para 14:</b> 16mm lens	<b>Para 14:</b> Deleted
8	<b>Para 15:</b> Macro viewing tube	<b>Para 15:</b> Deleted
9	<b>Para 21:</b> Length Measurements, Ellipse, Rectangle, Irregular Shape Measurements	<b>Para 21:</b> Length Measurements, Ellipse, Rectangle, Irregular Shape Measurements by licensed software
10	<b>Para 22:</b> Perimeter, Radius, Circumference Measurements, Angle Measurements	<b>Para 22:</b> Perimeter, Radius, Circumference Measurements, Angle Measurements by licensed software
11	<b>Para 23:</b> Automatic Image amalgamation	<b>Para 23:</b> Deleted
12	<b>Add Para:</b>	<b>Added Para:</b> Microscope should be compactible to upgrade to fluresence and polarizing feature of same make

<b>Sch No. 16: Microscope Teaching (5 Head)</b>		
Sl.No	Existing Specification	Read as
1	<b>Para 3:</b> Vertical stage movement 1micron per fine strok	<b>Para 3:</b> Vertical stage movement 100 micron/rotation per fine stroke
2	<b>Para 5:</b> Illuminator : Built-in-Koehler illumination for transmitted light LED bulb (precentered) and with auto light intensity Adjustment with change of objective lens	<b>Para 5:</b> Illuminator : Built-in-Koehler illumination for transmitted light LED bulb- Segmented/Flyer eye (precentered) and with auto light intensity Adjustment with change of objective lens
3	<b>Para 7:Objectives :</b> Plan 2/2.5x, 4/5x, 10X, 40X, & 100XOil	<b>Para 7: Objectives :</b> Plan Apochromat 2/2.5x, 4/5x, 10X, 40X (Spring loaded), & 100XOil
4	<b>Para 11.b:</b> LED arrow pointer with variable intensity and with Green / Red colour selection	<b>Para 11.b:</b> LED arrow pointer (360 degree rotatable) with variable intensity and with Green / Red colour selection

<b>Sch No. 17: Microtome-Fully automated</b>		
Sl.No	Existing Specification	Read as
1	<b>Para 7:</b> One hand quick clamp change	<b>Para 7:</b> One hand quick clamp change. Both UCC and SCC clamp should be provided.
2	<b>Para 10:</b> Two Section thickness areas that can be pre selected easy switchable.	<b>Para 10:</b> Two Section thickness areas (cutting window)

<b>Sch No. 17: Microtome-Fully automated</b>		
<b>Sl.No</b>	<b>Existing Specification</b>	<b>Read as</b>
		that can be pre-selected easy switchable.
<b>3</b>	<b>Para 11:</b> Removable operating panel with full graphic display.	<b>Para 11:</b> <b>Fixed/Removable operating panels should be provided</b>
<b>4</b>	<b>Para 14:</b> Patented and ergonomic one knob operation of the specimen feed with variable speed adjustment	<b>Para 14:</b> <b>Deleted</b>
<b>5</b>	<b>Para 21:</b> 22. Trimming thickness feed via precision stepping motor up to 500 um _ up to 10 um in 5 um increments _ up to 100 um in 10 um increments _ up to 200 um in 20 um increments _ up to 500 um in 50 um increments	<b>Para 21:</b> <b>Trimming thickness feed via precision stepping motor up to 500 um</b> _ up to 10 um in 5 um increments _ up to 100 um in 10 um increments _ Deleted _ up to 500 um in 50 um increments
<b>6</b>	<b>Para 22:</b> Horizontal feed range 28 mm	<b>Para 22:</b> Horizontal feed range 25-28 mm
<b>7</b>	<b>Para 23:</b> Vertical specimen stroke 72 mm to make possible cutting of large tissue.	<b>Para 23:</b> Vertical specimen stroke 65-75 mm to make possible cutting of large tissue.
<b>8</b>	<b>Para 26:</b> 230 V 50 Hz 420 x 490 x 280 mm (W/D/H) Wt: 28 Kg	<b>Para 26:</b> 230 V 50 Hz
<b>9</b>	<b>Para 30:</b> 5 packets of Low Profile Disposable Blades 50/packet.	<b>Para 30:</b> System should be quoted with Disposable Blade system of both high and low profile. Instrument should be supplied with 5 packets (comprising 50 blades) each of high and low profile blades and 5 brushes.
<b>10</b>	<b>Added Para</b>	<b>Added Para:</b> The cutting wheel should be fully motorized

All other contents of the tender enquiry including terms & conditions remain unaltered.

**Note:**

Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids