

HSCC (I) Ltd.

Amendment – XVI

dated 8.1.2018

**Tender Enquiry No. : HSCC/KCGMC/Medical Equipment/2015-06/15
dated: 15/09/2017**

Bidders are requested to note the following technical Amendment:

Item no 14. Pentahead microscope with high end optics

A. Binocular Microscope

1. Optical System - Universal infinity optical system, having objective parfocal distance of 45mm.
2. Objectives: Plan Semi Apochromatic/ Apochromatic 4x or 5x/0.15, Plan Apochromatic Objective lenses - 10x/0.45; 20x/0.75; 40x/0.85 (spring); 100x/1.40 (Spring, oil.) with antifungal treatment.
3. Frame: Ergonomic design for comfort and ease of performance with ergonomically controls
4. Stage: Ceramic coated rectangular mechanical stage with coaxial X and Y motion control knob on right-hand
5. Eye Piece tube: Wide field trinocular tube with eyepiece 10x with field of vision 25mm or better with titling angle and adjustable inter-pupillary distance. Interpupillary distance adjustment should range from 48-75 mm,
6. Eye Piece: Wide field paired eye pieces of 10x, FOV 25mm or better (Field No.25)
7. Nose Piece: 6 position nosepiece to accommodate 6 objectives at a time. It should also have slot for analyser/ polarizer.
8. Illumination: LED lamp with life of 30,000 hours or better , pre-centered and pre-focussed.
9. Condenser & the light relay system fitted with high performance aspheric lenses for bright & uniform illumination
10. External Filters: Daylight blue correction filter, neutral density filters and green filter with light
Intensity control.

11. Condenser: Bright field condenser with N.A. 0.9 or more

B. Petaheaded Attachment

It should have modular accessories for simultaneous observations of the same specimen by five persons including main observer, two each on either side sitting face to face, while giving the same constant degree of brightness, orientation and viewing height.

There should be two color LED arrow pointer with variable intensity and with Green and Red colour selection

C. Polarizing Attachment with upgradable to fluorescence attachment

Polarizer analyzer to be fitted with the body of the microscope.

D. Camera & Software - Digital Colour CCD/CMOS Camera with with HDMI Multi output

12MP or better resolution and pixel size of $5\mu\text{m} \times 5\mu\text{m}$. Software to capture and image processing like Length, area Measurement etc. Camera should be Capable to acquire BF, PH, Fluorescence, DF, Polarizing images. Microscope, Camera & Software should be from same make for better compatibility.

E. Computer System - i5 processor, 8GB RAM, 500GB HDD, DVR R/W, TFT 20 along with genuine windows operating system.

F. There should be provision for demonstration before final approval of equipment

G. Microscope should be CE Europe and US FDA certified.

H. Should be provided UPS

I Product specification – Camera ,software and microscope should be manufactured by the same manufacturer.

J Instrument should have an operating voltage suitable for Indian plugs. Voltage supply 220-240 V-50/60 Hz.

K The bidder should justify each specification point by point in their order of requirement and should provide the evidence for the same in the technical brochures of the instrument with page number. Photocopied catalogues will not be considered for technical specification evaluation.

L The instrument should be provided with a sturdy wooden table for set up of the microscope.

M. Demonstration is mandatory.

Document supporting track record and satisfactory performance from institution of national importance (minimum of one) should be provided

Item No. 17. Fully automated high throughput multistainer workstation

- 1 High throughput robotic stainer for Multiple staining applications and should run up to 12 racks in parallel.
2. Simultaneous staining of various different staining protocols. Capable of handling user defined protocol.
3. Solvent resistant color touch screen to monitor the staining process using the graphical process representation.
4. Racks should be assigned to the correct staining Protocol based on transponder & Color – code system.
5. Upto 34 reagent stations and 6 wash stations of 300-450ml capacity.
6. Optional Integrated oven with temperature setting from 40C to 70C for optimal slide drying.
7. Continuous loading and unloading of slides via rack entry and exit door.
8. Specimen slide throughput of at least 200 slides per hour up to 600 slides per hour.
9. Agitation programmable from 0 to 20 times or continuous.
10. Reagent management system, Station information on touch screen & Data Logging.
11. Programmable up and down movement of robotic arm.
12. Fume extraction fan with charcoal filter to remove hazardous fumes.
13. Gentle vibration to slide rack during lifting to reduce carry over contamination.
14. This instrument can be attached to the coverslipper in future.
15. CE Europe and US FDA approved
16. Documents supporting track record and satisfactory performance from institutions of national importance (minimum of one) should be provided.
17. Should be provided with UPS with 2 hrs. back up.
18. Should work on 220-240V/50-60 Hz.
19. Should be provided with a sturdy wooden table for set up of the instrument and basic consumables upto 500ml.
- 20 .Onsite training for 7-10 days for the use of equipment.

Bid sale, submission and opening date for items 14 & 17 has been extended as per details given in Table -1:

Sl. No.	Description	Revised Schedule
1	Sale date of the tender	16.01.18, 3.00 P.M.
2	Closing date & time for receipt of tender	16.01.18, 3.30 P.M.
3	Time and date of Opening of Tenders	16.01.18, 4.00 P.M.

All other terms and conditions of the tender enquiry document shall remain unchanged.

Prospective bidders are advised to regularly visit HSCC website/ CPPP website for corrigendum/amendments etc. if any, as these will be notified on these portals only. No separate advertisement will published in the news papers in this regard.

s/d
CGM, HSCC India Limited
For and on behalf of DGMR, Panchkula