

Amendment No: 1 Issued on dated 09/04/2015

Ref: Tender Enquiry No: HLL/PCD/IPC-10/14-15 dated 31.03.2015

The following amendments are issued with respect to the above tender Enquiry Document.

Section – VII Technical Specifications

For:

Schedule 12: INVERTED MICROSCOPE WITH PHOTO DOCUMENTATION

Observation tube: Binocular/, trinocular and tilting binocular

Fluorescent illuminator: Detachable illuminator, switchable slide (2 position: Blue excitation, Green excitation, transmitter light observations. Two cubes attachable simultaneously), built-in UV absorbing filter

Revolving nosepiece: Quadruple

Phase contrast: Contrast slider-Pre-centered Phase Contrast: 4x, 10x/20x/40x, empty slot Centerable Phase Contrast: 4x, 10x/20x, empty slot (40x optional, pre-centered)

Light source: 6V/30W halogen lamp, lamp socket (U-LS30-3-2), built-in frosted and heat absorbing filters, detachable illuminator

Condenser: Detachable ultra-long working distance condenser (N.A. 0.3, W.D. 72mm)

Contrast slider: Pre-centered Phase Contrast: 4x, 10x/20x/40x, empty slot Centerable Phase Contrast: 4x, 10x/20x, empty slot (40x optional, pre-centered)

- bright field;
- Photo documentation/CCTV attachment
- Variable magnifications
- Variable eye piece
- Tube length adjustments
- Attachable mechanical stage with accessories

Read As:

Schedule No. 12: Inverted Microscope with Photo documentation

Microscope Body:

Microscope body with Infinity system, Extendable optical free space up to 80 mm for attachment of camera, facility for 3 way (100:0, 50:50, 0:100 left port) or more light distribution of light, up/down focusing,

Observation Tube:

Binocular tube with inbuilt one additional port for camera attachment.

Condenser:

Universal turret condenser (suitable for all microscopy techniques) with 5 positions

Light source:

12V/100W Halogen lamp/High illumination with LED illuminator with heat absorbing filters & detachable illuminator.

Eyepiece:

10X (Paired) with F.O.V 22 or better and dioptre adjustment facility on both eyes.

Nosepiece :

Sextuple revolving nosepiece to accommodate six objectives at a time.

Slider:

Pre-centered phase contrast slider.

Stage:

Rectangular mechanical stage with attachable auxiliary stage.

Holders:

Universal holders should accommodate flasks, petridishes & slides.

Objectives:

Plan achromatic Objectives suitable for Bright field/Phase Contrast/fluorescence/ DIC Observation with facility of cover glass correction.

4X (N.A.0.10, W.D.30mm), 10X (N.A.0.25, W.D.7.0mm), 20X (N.A.0.45, W.D.8.2-6.9mm), 40X (N.A.0.6, W.D.3.6-2.8mm) SemiApochromat/Fluorite, 100X oil with iris (N.A 0.5-1.25 x W.D 0.23mm)

Fluorescent attachment:

With six position turret filter block, Noise Terminator mechanism incorporated for high signal ratio images with Pre centered Mercury Fibre Illuminator of 120/130W, lamp should have life time of 2000 hrs or more.

Band pass Fluorescent filters for FITC/GFP, TRITC/Rhodamine, DAPI applications.

Digital Camera:

Digital Colour Camera capable of Handling Very Low Light, phase and fluorescence images, Dark field and bright field Images with 2/3" High Density CCD Chip, Approx. 12.0 Million pixel resolution, 25 f/p/s with full screen Size, Cooling 10°C below Ambient, 12-Bit Digitization, Exposure Time 1/16,000 to 60 sec., Dynamic Range 2500:1, USB port for attaching camera onto Desktop/Laptop.

Image Analysis Software:

Acquisition and device control through four –dimensional acquisition, Image Acquisition, Time Lapse imaging, Z-stack, Multi-channel Fluorescence, Annotation, 2D/3D View, ND viewer, Filter, Morphology, Large Image, Macro, Segmentation, Auto-measurement, Report Generation facility, Data Base, Vector layer and Multi-Dimensional File Format (ND Format), Microscope Camera and Software should be from single source for better compatibility.

System:

24" TFT Monitor, 4 GB RAM or higher, 500 GB or higher HDD, I3 or higher processor, DVD writer, Genuine win 7/win 8, Colour Inkjet Printer, UPS 1 KVA.

Consumables :

Mercury Lamp 1 No. and Halogen Lamp 1 No.

Compliance :

US FDA or European CE or BIS approved product.

All other contents of the Tender Enquiry Document including terms and conditions of the tender enquiry remain unchanged.