



## Notice Inviting e-Tender

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**SUPPLY AND INSTALLATION OF DIFFERENT TYPES OF MEDICAL EQUIPMENT IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.**  
(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL /NIT-557/2023**

**Dated – 13.09.2023**

The following amendment have been made in the tender document,

### **Amendment –I (Revision of Technical Specification)**

The revised technical specifications for the item is given below,

#### **Phase-contrast microscope with photographic attachment**

Optics:	Should have Total Infinity Corrected Optical system / Harmonic Component System (HCS)
Tube:	Binocular tube with 45 deg viewing angle
Magnification:	40X - 400X
Eyepieces:	10X adjustable eyepiece with FOV 20mm
IPD:	Automatic constant sharpness from eye width of at least 55 - 75mm
Nosepiece:	Revolving quadruple nosepiece
Stage:	Should have 3 position s stage support with object guide for X -Y travel of the sample (adjustment range 128 x 83 mm), with holder for petridish, slides, flask etc.
Illumination:	Precentred at least 5W Long life LED illumination, with constant color temperature, should have automatic brightness adjustment to contrast method & with life time and auto-off function for illumination.
Condenser:	Long free condenser of working distance of 40 mm and a numerical

aperture of 0.45. Specially made for Bright field & Phase Contrast.

Objectives:

Universal Objective for Bright field & Phase contrast

PLAN ACHROMAT 4x/0.10 PH0 (Free working distance: 18.0 mm)

PLAN ACHROMAT 10x/0.22 PH1 (Free working distance: 7.8 mm)

PLAN ACHROMAT 20x/0.30 PH1 (Free working distance: 3.7-2.4 mm)

PLAN ACHROMAT 40x/0.50 PH2 (Free working distance: 2.0 mm)

Digital camera:

Digital camera with sw kit, colour digital camera for live image display microscope image display, 10 to 12 Mpixels, CMOS sensor progressive scan, pixel size 1.5 um x 1.5 um, colour filter RGB (Bayer), colour depth 30 bits, exposure time 0.1 msec- 2 sec, A/D converter 10 bit, dynamic range >45dB, full size live image, 'max. If frames per sec. VGA, SVGA, XGA and XVGA image formats, gain 1x - 20x, shading correction, optical C-mount, recommended video adapter 0.5x, latest supported operating systems with branded PC.

Product Certification: European CE (4 digit notify body)/ European Conformity for quoted model / US FDA/ BIS / CDSCO