

ANNEXURE-A

UPRIGHT TRINOCULAR ADVANCE RESEARCH MICROSCOPE FOR BRIGHT FIELD, APPLICATION WITH PENTA HEAD ATTACHMENTS AND IMAGE ANALYSIS

MICROSCOPE MAIN BODY;	FOR MAGNIFICATION 40X-1000X, INFINITY CORRECTED OPTICAL SYSTEM ANTI FUNGUS TYPE. ALONGWITH FOLLOWING FEATURES:-															
EYEPIECE TUBE	TRINOCULAR TUBE INCLINED AT 25° OR BETTER, F.O.V. 22 MM OR BETTER, WITH LIGHT DISTRIBUTION EYEPIECE/CAMERA 100/0: 0/100															
EYEPIECE LENS	10X (2PCS) WITH DIOPTRER ADJUSTMENT (F.O.V. 22MM)															
OBJECTIVES	SUITABLE FOR MICROSCOPY APPLICATION. <table><thead><tr><th><u>OBJECTIVE</u></th><th><u>N.A</u></th><th><u>W.D</u></th></tr></thead><tbody><tr><td>PLAN ACHRO 4X</td><td>0.10</td><td>30MM</td></tr><tr><td>PLAN ACHRO 10X</td><td>0.25</td><td>10.5MM,</td></tr><tr><td>PLAN ACHRO 40X</td><td>0.65</td><td>0.56MM, (SPRING-LOADED)</td></tr><tr><td>PLAN ACHRO100X OIL</td><td>1.25</td><td>0.2MM, (SPRING- LOADED)</td></tr></tbody></table>	<u>OBJECTIVE</u>	<u>N.A</u>	<u>W.D</u>	PLAN ACHRO 4X	0.10	30MM	PLAN ACHRO 10X	0.25	10.5MM,	PLAN ACHRO 40X	0.65	0.56MM, (SPRING-LOADED)	PLAN ACHRO100X OIL	1.25	0.2MM, (SPRING- LOADED)
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NOSE PIECE	REVERSED SEXTUPLE NOSEPIECE,															
COARSE/FINE FOCUSING	FINE 0.1MM PER ROTATION/ COARSE 9.33 MM PER ROTATION OR BETTER.															
STAGE	RIGHT HANDLE MECHANICAL STAGE WITH DOUBLE SLIDE HOLDER.															
CONDENSER	ACHROMAT SWING OUT CONDENSER															
ILLUMINATION	LED THE WORKING LIFE OF LED IS 50,000 OR MORE WITH DOCUMENT SUPPORT OR 6V 30 WATT HALOGEN LAMP WITH 10 SPARE HALOGEN LAMP.															

PENTA HEAD ATTACHMENT.

MICROSCOPE WITH TEACHING HEAD ATTACHMENT FOR
ADDITIONAL 4 PERSONS (PENTA HEAD)

COLOR COOLED CCD CAMERA:

COLOR COOLED CCD CAMERA WITH 2/3" CCD CHIP, 14 BIT, APPROX. 5.00 MEGA PIXEL RESOLUTIONS. PELTIER COOLED 20°C BELOW AMBIENT TEMPERATURE OR BETTER, LIVE DISPLAY MODE WITH 5.0 FRAMES/SEC (2560 X 1920 PIXEL RESOLUTION) & MAX. 23 FRAME PER / SEC. AT ROI MODE; BINNING MODES: 2X2, 4X4, SUITABLE FOR ALL MICROSCOPY TECHNIQUES WITH 0.7X C-MOUNT ADAPTER.

IMAGE ANALYSIS SOFTWARE WITH FOLLOWING FEATURES:

- ACQUISITION AND DEVICE CONTROL,LIVE IMAGE CAPTURE,
- TIME LAPSE IMAGING,LIVE COMPARE, VOLUME VIEW,
- LARGE IMAGE,
- MANUAL MEASUREMENT & OBJECT COUNTING,,
- REPORT GENERATOR FACILITY,
- MULTI-DIMENSIONAL FILE FORMAT ETC.

DATA PROCESSING UNIT (COMPUTER)

BRANDED PC WITH i-5 PROCESSOR, 4 GB RAM,
500GB HDD, KEYBOARD, OPTICAL MOUSE, DVD
WRITER, 24" TFT COLOR MONITOR, MULTIMEDIA
KIT, 1394B FIRE WIRE PORT ALONG WITH UPS.

NOTE: IMPORTANT AND MANDATORY CONDITIONS.

- **MICROSCOPE, CAMERA & SOFTWARE SHOULD BE FROM SAME MANUFACTURER FOR BETTER COMPATIBILITY, INTEGRATION & UPGRADATION.**
- **MICROSCOPE SHOULD BE UPGRADABLE TO 120/130WATT FLUORESCENCE ATTECHMENT IN IN FUTURE.**
- **VENDOR SHOULD ENCLOSE SATISFACTORY INSTALLATION LIST AND PERFORMANCE CERTIFICATES OF QUOTED MICROSCOPE SUPPLIED IN PREMIER REFERENCE RESEARCH INSTITUTE.**
- **VENDOR MUST ENCLOSE PROPER PRINCIPAL CATALOGUE AND WEBSITE DETAILS IN SUPPORT FOR VERIFICATION OF SPECIFICATIONS CONFORMITY OF QUOTED MICROSCOPE IN TENDER.**