



KERALA AGRICULTURAL UNIVERSITY
ALL INDIA CO-ORDINATED RESEARCH PROJECT ON BIOLOGICAL CONTROL
OF CROP PESTS & WEEDS
COLLEGE OF HORTICULTURE, KAU. P.O - 680 656, THRISSUR
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No. BCCP-SHM/3/2019-20

dtd. 22/06/2019

QUOTATION NOTICE

Sealed competitive quotations are invited for the supply of following equipments for research purpose in the project.

Sl. No.	Name of the equipment	Brand preference	Quantity
1	Trinocular Microscope with High definition HDMI Camera	Olympus/ Leica	1 No.

Specifications

1. Trinocular Microscope

Optical System		UIS2 (universal infinity-corrected) optical system		
Illumination System		<ul style="list-style-type: none"> Built-in transmitted illumination system Kohler illumination (fixed field diaphragm) LED power consumption 2.4 W (nominal value), precentered 		
Focusing		<ul style="list-style-type: none"> Stage height movement (coarse movement stroke: 15 mm) Stroke per rotation for coarse adjustment knob: 36.8 mm, Focusing stopper Torque adjustment for coarse adjustment knob Fine focus knob (minimum adjustment gradations: 2.5 μm) 		
Revolving Nosepiece		Fixed quintuple nosepiece with inward tilt		
Stage		<ul style="list-style-type: none"> Wire movement mechanical fixed stage, (W \times D): 211 mm \times 154 mm Traveling range (X \times Y): 76 mm \times 52 mm Single specimen holder (optional: double specimen holder, sheet holder) Specimen position scale Stage XY movement stopper 		
Observation Tube	Type (anti-fungal)	Binocular	Trinocular	Tilting binocular
	Eyepiece (anti-fungal)	10X Field Number (FN):	10X Field Number (FN): 20	10X Field Number (FN): 18

		20		
	Tube Inclination	30°	30°	30°~ 60°
	Light Path Selector	None	None (eyepiece/camera port = 50/50 fixed)	None
	Interpupillary Distance Adjusting Range	48~75 mm		
Condenser		<ul style="list-style-type: none"> • Abbe condenser NA 1.25 with oil immersion • Universal condenser with 7 turret positions: BF (4~100X), 2X, DF, Ph1, Ph2, Ph3, FL • Condenser turret lock pin (BF only) • Built-in aperture iris diaphragm • AS lock pin 		
Observation Methods		Bright field, simple polarization, fluorescence, phase contrast, dark field		
Objectives		Plan achromat (UIS2), anti-fungal 2X NA 0.06 W.D. 5.8 mm 4X NA 0.1 W.D. 18.5 mm 10X NA 0.25 W.D. 10.6 mm 10XPH NA 0.25 W.D. 10.6mm 20X NA 0.4 W.D. 1.2 mm 20XPH NA 0.4 W.D. 1.2 mm 40X NA 0.65 W.D. 0.6 mm 40XPH NA 0.65 W.D. 0.6 mm 60X NA 0.8 W.D. 0.2 mm 100XO NA 1.25 W.D. 0.13 mm 100XOPH NA 1.25 W.D. 0.15 mm 100XOI NA 1.25~0.6 W.D. 0.13 mm		
Fluorescence Light Source		Easily add an LED reflected fluorescence illuminator (peak excitation wavelength 470 nm: B excitation only), Precentered		
Rated Voltage/Electric Current		AC 100~240 V 50/60 Hz 0.4 A		

HDMI Camera: High Definition HDMI Cameras for high resolution Digital Teaching (For direct HDMI monitor connection without PC)


MagCam HD Pro (with 0.5X C-Mount Adapter) - 6 Mega Pixel HDMI CMOS Digital Camera with sensor size of 1/2.8", built in dual core processor, Resolution: 3264 X 1840, Frame rate: 1920 X 1080 @ 60 fps via HDMI & 1920 X 1080 @ 30 fps via USB , 1080 p @ 30 fps for Video recording, built in calibration and measurement function, built in mouse control, noise reduction function, exposure setting from 0.001 sec 10 sec., Image comparison function , output port: HDMI, USB 2.0, SD Card, compatible with Windows 7 / 8 (32/ 64 bit) , basic setting: Gain, Gamma, Contrast, Auto white balance, optical Port : C-Mount Packing included: 6 MP HDMI Camera, HDMI Cable, Mouse, 4 GB SD Card, Power adapter & 0.5x C-Mount adapter

Terms and Conditions

1. The rates quoted should be inclusive of all taxes and other charges if any and the items shall be delivered at the point specified by the undersigned.
2. The quotations should reach this office before 2.30 pm on 12-07-2019 and the quotation will be opened at 3.00 pm on the same day.
3. Late and defective quotations will not be accepted.
4. The envelope containing the quotation should be super scribed "Quotation for the supply of Microscope as per order No. BCCP-SHM/3/2019-20" and addressed to the Professor & Head, AICRP on BCCP, College of Horticulture, KAU, Vellanikkara, Thrissur 680 656.
5. All rules related to Government quotations will be applicable in this case also.

To

KAU Website


Professor & Head
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AICRP on Biological Control of
Crop Pests & Weeds
College of Horticulture
KAU - P. O., THRISSUR - 680 656