

Dr. Harisingh Gour Vishwavidyalaya, SAGAR.(M.P.)-470 003

(A Central University)

QUOTATION NOTICE

No. :CFS/2015/947

Dated: 16.01.2015

The Department invites sealed Quotations from the Manufacturers/ authorized dealers/ suppliers/ vendors for purchase of Field Microscope with imaging source camera. The complete technical detail with specifications of Item(s) is available at the University website www.dhgsu.ac.in. The last date for submission of quotation is on or before **20/02/2015 (5.00 p.m.)**.

-Sd/-

-Sd-

**HOD
Criminology & Forensic Science**

**Principal Investigator, UGC Project
cum Assistant Professor**

Note: Please see

(1) Quotation Details and

(2) Specification

on Next Page :.....

Quotation Details:

Quotation invitation for “Field Microscope with imaging source camera” under Project Titled: “Molecular identification of Forensically important insects- a pilot study” Dr. Vandana Vinayak, Principal Investigator, Department of Criminology & Forensic Science.	
Work Name	Quotation invitation for 1. Field Microscope with imaging source camera Project Titled: “Molecular identification of Forensically important insects- a pilot study” Dr. Vandana Vinayak, Principal Investigator. Department of Criminology & Forensic Science.
Quotation Notice No.	CFS/2015/947
Date	16-01-2015
Estimate Cost	-----
Earnest Money	NA
Price of quotation form	NA
Work duration	NA
Last date of quotation submission	20-02-2015
Details	Ref. No.: CFS/2015/947 Dated: 16-01-2015 Quotation invitation for 1. Field Microscope with imaging source camera Project Titled: “Molecular identification of Forensically important insects- a pilot study” Dr. Vandana Vinayak, Principal Investigator. Department of Criminology & Forensic Science.

Specification:

S.No.	Name of Equipment with specifications	Qty.
1.	Specification of field microscope: <ul style="list-style-type: none"> • Variable controlled LED light source in base • High resolution condenser, stage, X-Y, tube, "C" mount for camera. • All software included for measurement of size of the image, batteries. • Specially configured from new and used components for use with a 170mm water immersion 40X objective. Components were selected to best provide precise control of the specimen on a rugged yet light weight frame. • Monocular tube with attachable c-mount connector for camera • 10X WF Eyepiece • Microscope stand with co-axial coarse and fine focus which is ball bearing drive. Gears and rack and pinion are brass. • Specimen stage with top mounted mechanical specimen holder • 1.25 NA Abbe Condenser with iris diaphragm in sleeve mount • Variable intensity battery powered (4 AA Batteries) LED illuminator with off/on switch. 	1 No.

- Microscope can be easily disassembled for transport or storage

Specification of Imaging Source Camera:

Resolution	Format	FPS	Sensitivity
2048x1536	1/2 "	10	1.0 V/lux-sec
1024x768	1/4 "	35.5	1.0 V/lux-sec

Set resolution, format, FPS and sensitivity with shipped software.

- Color format: BY8, Y800, RGB32
- Dynamic range Interface (optical): 8 bit
- IR cut filter: Yes
- Sensor specification: MT9T031
- Shutter: Rolling
- Format: 1/2 "
- Resolution: H: 2048, V: 1536
- Pixel size: H: 3.2 μm , V: 3.2 μm
- Lens mount Interface (electrical): C/CS
- Interface: USB
- Supply voltage: 4.5 to 5.5 VDC
- Current consumption Interface (mechanical): approx 250 mA at 5 VDC
- Dimensions: H: 50.6 mm, W: 50.6 mm, L: 29 mm
- Mass Adjustments (man): 140 g
- Shutter: 1/10000 to 4 s
- Gain: 0 to 18 dB
- White balance Adjustments (auto): -6 dB to +6 dB
- Shutter: 1/10000 to 4 s
- Gain: 0 to 18 dB
- White balance Environmental: -6 dB to +6 dB
- Max. temperature (operation): -5 °C to 45 °C
- Max. temperature (storage): -20 °C to 60 °C
- Max. humidity (operation): 20 % to 80 % non-condensing
- Max. humidity (storage): 20 % to 95 % non-condensing