



# CALCUTTA SCHOOL OF TROPICAL MEDICINE

GOVERNMENT OF WEST BENGAL  
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Website : stmkkolkata.org

Memo No. STM/Tend-19/21-22

Dated. 07.03.2022

## NOTICE INVITING TENDER

Sealed tenders are invited by the Director, School of Tropical Medicine, Kolkata for procurement of **Research Microscopes** for Parasitology Unit, Department of Microbiology, School of Tropical Medicine, Kolkata as per particulars given below:

1.	Name of the item	1) Trinocular Research Microscope with a 4K Pro Sony 8MP Camera with HD Retina Screen 2) Trinocular Research Stereo Zoom Microscope with ICOS System
2.	Quantity	One each
3.	Product Specification and description	1) Annexure - I (attached) Item - I A. Trinocular Research Microscope and 1B. 4K Pro Sony 8MP Camera with HD Retina Screen 2) Annexure - I (attached) Item - II Trinocular Research Stereo Zoom Microscope with ICOS System
4.	Eligibility for participation	1. Technical Bid: Manufacturer/Direct Importer /Authorised Dealer / Authorised Distributor having valid Trade license, PAN, GST, P. Tax & IT Certificate of two out of last three financial years. 2. Financial Bid: For tender of rates only. (Unit price + GST)
5.	Estimated Price	To be quoted (each) (Unit price + GST)
6.	Validity of Tender	The rates so quoted will be valid up to <b>31.03.2022</b>
7.	Mode of Tender	3. In the letter head of the Manufacturer/Direct Importer /Authorised Dealer / Authorised Distributor with all necessary documents. 4. Tender should comprise a separate "Technical Bid" and "Financial Bid" to be put in the drop box kept in the office of the undersigned, may be sent through post / courier or by hand, to reach before the due date.
8.	Last date of receiving Tender	<b>14.03.2022 up to 2 P.M.</b>
9.	Date of opening of Tender	<b>14.03.2022 at 2.30 P.M.</b>

### TERMS AND CONDITIONS :

1. Payment will be made through ECS.
2. The undersigned reserves the right to accept or reject any tender without assigning any reason.
3. The L1 Bidder should provide physical demonstration of the offered product.
4. The Bidder should have supplied the offered model to other Govt. Organisation and should provide reference Order copies substantiating their claim.

Director

School of Tropical Medicine, Kolkata

Dated. 07.03.2022

Memo No. STM/Tend-19/21-22/1(5)

### Copy forwarded for information and necessary action to :

1. The Medical Superintendent cum Vice Principal, School of Tropical Medicine, Kolkata
2. The Accounts Officer, School of Tropical Medicine, Kolkata
3. The MOIC, Stores & Pharmacy, School of Tropical Medicine, Kolkata
4. The Deputy Superintendent, School of Tropical Medicine, Kolkata
5. Purchase Committee Guard file

Director

School of Tropical Medicine, Kolkata

Director  
School of Tropical Medicine  
C. R. Avenue, Kolkata

## Annexure - I

### **I. A) Specifications for Trinocular Research Microscope**

1. Magnification range is 40X -1000X.
2. Microscope with ICOS System
3. The Viewing Head should have Sidentopf Trinocular head with an inclination of 30° and rotation of 360°.
4. Quadruple nose piece.
5. Magnification of Eye pieces should be WF10X / 20mm.
6. Plane Achromatic Objectives DIN: 4X, 10X, 40X, 100X (Oil, SL).
7. All Objectives should be Antifungal Coated & Aberration Free.
8. Focusing Range: Co-axial coarse & Fine adjustment of 13mm fine Division, 0.002 mm with tension control and locking stage.
9. Stage should be- Double layered mechanical stage of 140mm X 140mm.
10. Moving Range of 60 X 30mm.
11. Condenser: Abbe type N.A.1.25 with IRIS Diaphragm & Filter.
12. Illumination System which is LED with Interchangeable Illumination and intensity controller Upgradable to Fluorescence, Dark field, Phase Contrast and Polarizing

### **B) 4K Pro Sony 8MP Camera with HD RETINA SCREEN & Wi-Fi Connectivity**

#### Specifications:

1. Product Model 4K Pro
2. Sensor Type Sony IMX183C CMOS
3. Resolution 8MP ( 3840x2160 )
4. Frame HDMI: 30fps@3840x2160
5. USB 3.0: 25fps@3840x2160
6. Ethernet: 30fps@3840x2160
7. Image format HDMI: JPG/TIFF
8. USB 3.0: JPG/PNG/TIFF/DICOM
9. Ethernet: JPG/PNG/TIFF/DICOM
10. Exposure Mode : Auto/Manual
11. White Balance: Auto/Manual
12. Optical Interface: Standard C-Moun
13. Data Interface HDMI : Connect monitor
14. USB3.0 : Connect computer or U disk
15. LAN : Connect Internet
16. USB2.0 : Connect mouse
17. Software HDMI : Embedded software
18. PC : Mosaic V2
19. Operating system Windows 7/8/10 ( 32bit/64bit )
20. Camera size 105.7x78x70.8 ( mm )
21. Camera weight 505g

## II. Specifications for Trinocular Research Stereo Zoom Microscope with ICOSSystem.

1. High eye-point wide field plan eyepiece PL10X/22mm,
2. Dioptre adjustable 5 ~45 ° tilting trinocular head,
3. Splitting ratio binocular: trinocular = 100:0 or 0:100,
4. Inter-pupillary distance: 50-76mm , Zoom objectives system 0.8X ~ 10X,
5. zoom ratio 12.5:1
6. Built-in aperture diaphragm
7. Desired Main Scales - 0.8X, 1X, 1.5X, 2X, 2.5X, 3X, 4X, 5X, 6X, 8X, 10X
8. Must have click stop Coaxial fine and coarse focusing mechanism with integrated focus holder and stand,
9. Should possess a focusing range 50mm and fine precision 0.002mm
10. Plane base with dia. 100 black & white plate
11. Oblique illumination module with built-in 360 degree rotatable mirror, working with external 5W LED optical fiber
12. 5W LED (colour temperature 5000-5500K) power pack,
13. Wide voltage 100-220VAC/50- 60HZ, output 12V.
14. Dimension:270×100×130mm
15. 500mm single soft fiber ,LED ring lamp (200LEDs), Coaxial Vertical Illuminator with 1/4λplate (desired) and 21V/150W Cold Fiber power supply with 100cm soft fiber
16. Polarizer 360° rotating analyser 0.5X C-mount adapter,
17. Focus should be adjustable - 1X C-mount adapter,
18. Focus adjustable M4 spanner Pearl sponge + outer cartons
19. Should have warranty of 1.0 X
20. extra eye –pieces – 10X X along with the regular ones inclusive in the scope of supply
21. Huygenian type of eye piece desired
22. Eye piece with magnification should be set of two for binocular 10X
23. Achromatic type objective desirable with objective magnification 10X X
24. Must have co-axial focussing
25. Must have micrometer arrangement
26. Microscope type should be Research Trinocular – Non-Hinged type with built in light and with light intensity regulator.
27. Must be ISI marked

\* Post tender physical verification will be done before placing the order.

\* The warranty period: 3 years