

POLICE



DEPARTMENT

KERALA

No. G1(b)-38311/2020/TC(3)

City Police Office,

Thiruvananthapuram

✉cptvm.pol@kerala.gov.in

☎04712320579

Dated. 16-09-2021

SHORT TENDER NOTICE

Sealed Tenders are invited for the Supply of Zoom stereo Microscope with Digital Camera and Electric Oven for the District Forensic Lab at Nemom with the following specifications .

| SI No | Item | QTY | Unit Price(in Lakhs) | Total Price |
|-------|---|-----|----------------------|-------------|
| | <ol style="list-style-type: none">1. Optical System : Greenough2. Magnification : 6:1, zoom3. Eyepieces : WF 10x/22mm or better4. Viewing Angle : Trinocular 45°5. Diopter correction : ±5 Diopter or better6. IPD : 50-75 mm7. Working distance : 110mm or better8. Magnification Range : 8x to 50x9. Object field diameter : 4.4 to 27.50 mm10. Illumination Control: Incident Light-LED Ring Light with options of ARC and circular illumination with intensity control.11. Front Angle Arc illumination with cluster of 11 LEDs12. Rear Angle Arc illumination with cluster of 12 LEDs | | | |



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|---|--|--|---|----------|----------|
| 1 | Zoom stereo Microscope with Digital Camera(to be installed at Instrument Room) | <p>13. Circular illumination with cluster of 23 LEDs</p> <p>14. Inbuilt Goose neck for extra illumination</p> <p>15. Transmitted light: Two options one with detachable Bright Field/Dark Field)</p> <p>16. Second with preconfigured mirror base for transparent objects</p> <p>17. Auxiliary Objectives : 0.5x, 1.5x, 2x</p> <p>HDMI CAMERA with inbuilt storage of 8GB</p> <p>Specifications:</p> <ol style="list-style-type: none"> 1. Illuminated CMOS sensor 2. All in 1(HDMI+USB+SD card) C-mount camera with high sensitivity CMOS sensor 3. Simultaneous HDMI & USB output 4. Ultra low noise and low power dissipation 5. With advanced video & image processing application MICAPS Micro View 6. Built-in mouse control 7. Built-in image capture & video record to SD card 8. Built-in camera control panel for mouse control 9. Built-in toolbar including zoom, mirror, freeze, cross, compare & browser functions 10. Built-in image & video browsing, display 11. Ultra-Fine color engine with perfect color reproduction Capability | 1 | 2,00,000 | 2,00,000 |
|---|--|--|---|----------|----------|



Other Specifications for HDMI Output:-

1. UI Operation : With USB Mouse
2. Image Capture : High Speed in SD Card
3. Video Record : 1080P 30fps in SD Card
4. Camera Control Panel : Including Exposure, Gain, White Balance, Color Adjustment, Sharpness and Denoising Control

1. Toolbar: Including Zoom, Mirror, Comparison, Freeze, Cross, Browser Function

Other Specification for USB Output:-

1. White Balance: Auto White Balance
2. Color Technique: Ultra-Fine™ Color Engine (USB)
3. Capture/Control API: Standard UVC for Windows /Linux /Mac(USB)
4. Recording System : Still Picture or Movie (USB)

Computer specification:

1. i5 computer system with Windows OS, RAM 8 GB (min), HDD 1TB (min)

Monitor 21 Inch, Keyboard (USB) and Mouse (USB)

Ink jet Colour Printer

1. Capacity 90 – 100 Litre
2. Temp range: Ambient +5



| | | | | | |
|---|--|---|---|----------|----------|
| 6 | Electric Oven(to be installed at Physics Lab | <p>°C to 250 °C.</p> <ol style="list-style-type: none"> 3. Control accuracy: ±0.5 °C. 4. Uniformity: ± 2.0 at 100.0 °C 5. Minimum 2 No. of Shelves with height adjustable in 25mm steps. 6. Glass window in-built into the door for easy viewing of samples. 7. Should be Single moulded Chamber, (For easy Cleaning purposes) 8. Automatic cut off of heater & blower when door opened. 9. Digital PID temperature controller with timer, alarms and auto tuning. 10. Aero dynamic internal design for achieving horizontal air circulation. 11. Solid and plain bottom without electricals. 12. Outer body made of G.I Epoxy Coated 13. Inner body made of Stainless steel with clear bottom 14. Seamless round cornered edge of internal chamber ensures easy cleaning & prevents any leakage. 15. CE certified. 16. Warranty- 3 years | 1 | 2,00,000 | 2,00,000 |
|---|--|---|---|----------|----------|

Total Estimate Cost is ₹4,00,000/-

The envelopes containing the tender should bear the superscription "SUPPLY OF Zoom stereo Microscope with Digital Camera and Electric Oven FOR DIST FORENSIC LAB , NEMOM , THIRUVANANTHAPURAM CITY " and should be addressed to District Police Chief, TvpM City. Last date for receipt of tenders will be 12.10.2021 Late tenders will not be accepted.

The Tender should be finalized after the quality evaluation of the Items The tenders will be opened at 11 am on 13.10.2021 in the presence of such of the



tenderer or their authorized representatives who may be present at that time.

Intending tenderer may, on application to the to District Police Chief, Tvpm City obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of ₹.600/- which is the price fixed for a form/set of forms and which is not refundable under any circumstances. (Additional 18% GST amount on tender fees mentioned above shall be paid to GST Department directly by the bidder and the receipt should be furnished). The tender forms are not transferable. Sale of tender forms will be closed at 4 PM on 11/10/2021.

Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P. Duplicate tender forms, if required will be issued at Rs.550/- per copy.

The bidders are required to furnish EMD of ₹.4000/- along with their bids. Earnest money may be accepted either in cash or crossed Bank Drafts or Treasury Savings Bank Deposits or Government Promissory Notes or Bank Guarantee or National Savings Certificate.



Balram Kumar Upadhyay IPS
Commissioner of Police

Copy To : 1)P&RD 2)The state Police Chief(with covering letter)

