

POLICE



DEPARTMENT

KERALA

No. G1(b)-38311/2020/TC(9)

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 BOD Incubator, Weighing Balance ,andMicroscope for Semen Examination, 1000x, 5MP camera with Tablet for the District Forensic Lab at Nemom with the following specefications .

SI.No	Name of the Instruments	Specification	QTY	Unit Price (in Lakhs)	Total Price
		<p>a. The chamber should be made of Stainless Steel and should be easy to clean</p> <p>b. The chamber external housing should be made of textured stainless Steel</p> <p>c. The internal volume should be > 50 Litres. /110 Litres</p> <p>d. The temperature range should be Ambient less 20 Deg C to 70 Deg C. The unit should be able to reach 5 Deg C with an ambient temperature of 25 Deg C</p> <p>a. The temp variation in time at 37 Deg C should be < +/- 0.2 Deg C or better and temp uniformity should be < +/- 0.5 Deg C or better.</p> <p>b. The unit shall be fitted with minimum 1 Nos Stainless Steel grids and there should be facility to accommodate total of 4 or more grids/shelves</p> <p>c. The outer door should be insulated and should be made of Stainless Steel and the inner door should be made of glass.</p> <p>d. The system should use employ energy saving Peltier based Heating and cooling system</p>			



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BOD Incubator

- e. The controller should have a indication / setting accuracy of 0.1 Deg C or better.
- f. The unit should be equipped with a adjustable over temperature protection controller class 3.1 or a adjustable temp limiter class 2 and the same should be selectable on the display
- g. The unit should have 1 independent PT 100 sensor DIN Class A with 4 wire circuit
- h. The controller should have touch panel controller and the internal memory should be capable of storing the test data for app 8 years or more.
- i. The controller should have facility to be recalibrated without connecting to an external PC
- j. The unit shall be equipped with a Ethernet interface and necessary software to link the PC to the machine for downloading the internal data should be provided.
- k. The controller should have a facility to display the temperature in either Deg C or Deg F as and when required
- l. It should be possible to set all the parameters via the touch panel control
- m. In the event of an power failure the programme data should be stored
- n. The unit shall be equipped with standard factory calibration certificate at + 10 Deg C and + 37 Deg C
- o. The unit should be able to work with 230 V +/- 10 % , 50 Hz Supply and the power consumption should not exceed 175 watts
- p. The unit shall carry a warranty of 2 years from the date of commissioning.
- q. The manufacturer must

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1,50,000

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		<ul style="list-style-type: none"> have a management system certified to ISO 9001. r. The necessary operation manual should be provided along with the machine. s. The operational training shall be given at the time of commissioning t. The packing data and weight details shall be provided along with the offer. u. The firm shall submit necessary catalogues, product data sheet and a point wise technical compliance statement along with the offer. 			
2	Weighing Balance	<ul style="list-style-type: none"> a. Capacity : 1500 g-1600 g a. Resolution : 0.01 g or better b. Repeatability : ±0.02 g or better c. Linearity : ± 0.02 g d. Calibration : External e. Pan Size : ϕ 80 mm or above f. Display : LED digital display with touch pad g. Response Time : <3 Sec. h. Calibration :NABL calibration certificate shall be provided i. Certification : CE Certification 	1	1,00,000	1,00,000
		<p>Stand: Single mold Sturdy stand with anti rust materials. Extended base for better stability with Ceramic Coated Stage Plate.</p> <ol style="list-style-type: none"> 1. Viewing Bodies: Ergonomic HEAD Binocular 0° - 25° tilting Head, 360° rotatable, IPD 47-75mm with height Adjustment. 2. Eyepieces: Focusable wide Field eyepiece WF10x/22mm paired with foldable eye guards, 3. Lockable, anti-fungus coating, graduated ring for setting of individual Eye Diopter. 4. Nosepiece: Quintuple Reverse angle nosepiece 			



3	Microscope for Semen Examination, 1000x, 5MP camera with Tablet	<p>(Ball bearing type) with click stops and rubber grip, anti-gungus coating. PAR-CENTERED & PARFOCAL on CNC Machines.</p> <p>5. Objectives: RP series DIN Infinity Corrected WF Plan Achromatic objectives: 2.5X, 4x, 10x, 40x (spring loaded), 100x Oil (spring loaded) anti-fungus coating.14</p> <p>Mechanical Stage:</p> <p>1. RACKLESS X-axis, Ceramic Coated double plate mechanical stage size 200 x 160mm X/Y travel range 76 x 50mm. Double Specimen holder</p> <p>2. Condenser: Flip top Sub Stage Sub-stage abbe condenser NA 1.25 with aspheric lens .Iris diaphragm with blue day light filter rack and pinion movements on stainless Steel guides.</p> <p>3. Focusing: Co-axial coarse and fine focusing on gear systems for extremely smooth operation. Fine adjustment 0.3mm/rotation</p> <p>4. Illumination: Full kohler LED illumination with VARIABLE ILLUMINATION CONTROL.</p> <p>5. Electrical: For LED Input 180v-250v AC or for HL Input 220v-240v AC, with removable imported cord. LED Life more than 50,000 Hours & Back-up Battery for use where Power Supply failure</p> <p>6. PACKED in Styrofoam box, with operation manual, dust cover, cleaning cloth, power cord.</p>	1	2,00,000	2,00,000
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The envelopes containing the tender should bear the superscription "SUPPLY OF BOD INCUBATOR, WEIGHING BALANCE and MICROSCOPE FOR SEMEN EXAMINATION 1000x, 5MP CAMERA WITH TABLET 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 ₹.700/- 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 ₹.4500/- 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)



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