

POLICE



DEPARTMENT

KERALA

No. C1-5108/2019/FSL

Forensic Science Laboratory,
Thiruvananthapuram

✉dirfsl.pol@kerala.gov.in

☎04712721533

Dated. 01-01-2021

Re-Tender Notice

The Director, Forensic Science Laboratory, Kerala Police Department, Government of Kerala invites online bids from reputed manufacturers/ authorized dealers or reputed vendors for the **purchase of under mentioned equipment for the District Forensic Laboratory, Kollam and Malappuram**. The bidders should comply with the following general conditions in addition to the additional conditions of the instant tender.

Sl. No.	Name of Items	Specification	Quantity Required
1	Analytical Weighing Balance With Density Determination Kit	Enclosed	2
2	Spray Bottle With Sprayer (Special Atomizer/ Test Tube Atomizer/ TLC Plate Sprayer)	Enclosed	2
3	Heating Mantle with Energy Regulator.	Enclosed	2
4	TLC Plate Coater	Enclosed	2
5	Thin Layer Chromatographic Plates	Enclosed	40
6	Thin Layer Chromatographic Tank(TLC Tank)	Enclosed	2
7	Borosilicate glass Desiccators	Enclosed	2
8	Bunsen Burner	Enclosed	2
9	Hot Air Ovens	Enclosed	2



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10	UV Lamp with Wooden Table UV Lamp Table (Wooden)	Enclosed	2
11	Micropipettes	Enclosed	2
12	Density Gradient Tube	Enclosed	2

Terms & conditions

1. The supplier should quote the price valid for a period of one year.
2. If the authorized distributor is supplying the items, the Manufacturer/ Principal Company has to submit an authorization letter for the dealer/authorized distributor.
3. All the quotations are to be enclosed with maximum discount.
4. The purchases are for District Forensic Science Laboratories at Chathannur, Kollam and Tirur Malappuram
5. Delivery of the consignment should be made at on the places mentioned in the supply order
6. If the company is dealing with perishable goods, which require Cold Chain Management the delivery should be prompt. If any damages occur the supplier will be responsible for its replacement.
7. Penalty will be imposed on delay in delivery as per the existing rules.
8. In case of purchase of goods viz., consumables, disposables, etc the contractual obligations should be considered as completed when supply is done and the items are inspected and accepted by the Institute.
9. For all supplies above Rs.1 Lakh, the successful tenderer should furnish a Performance Bank Guarantee/ Security Deposit @ 5% of the total assignment (purchase order value) in the form of Fixed Deposit or Bank Guarantee from a Commercial Bank which should be valid for a period of 60 days beyond completion of all contractual obligation of the supplier including warranty (if any).
10. Payment mode is through online after acceptance of goods in good condition at the places mentioned in the supply order.
11. For all ordered goods, Insurance/ liability may be upto the supplier only.
12. If the quote is not according to the above terms and conditions, the same will be summarily rejected.

General

1. The Bidder should be a reputed Original Equipment Manufacturers (OEM) or authorized dealer of OEM, who is having an Authorization Certificate from the OEM to participate in the tender floated by Kerala Police. Certificate from the OEM for sales and service, to be produced.
2. One bidder can not represent two suppliers/ OEMs or quotes on their behalf in a particular tender.
3. The OEM/ Bidder should have a well equipped service centre functioning in India (preferably in Kerala) to cater to immediately after sales requirement; copy of Service Centre details must be enclosed along with Tender document. (Preferably bidder should have a Service Centre in Kerala/South India).
4. A reputed vendor can participate in the tender provided the vending outfit is functioning in the market for at least 10 years.
5. The Bidder should have valid GST registration. Copy of GST registration certificate should be enclosed along with the tender.
6. The bidder should have valid PAN/Taxation Index Number. Copy of PAN/Taxation



Index Number allocation letter should be enclosed along with the tender.

7. The Bidder must fulfil the following minimum qualification criteria to prove the techno-commercial competence and submit the documents in support thereof:
 1. Valid Authorization letter from the OEM to attend this particular Tender.
 2. Certificate of Registration/Incorporation Certificate of the Bidder.
 3. Last 3 year's financial status of the Bidder's/P&L and Balance Sheet/audit report of last 3 years.
 4. The bidder (authorized dealer/distributor) should have the dealership/ distributionship for at least 3 (three) continuous consecutive years with the OEM.
8. The Bidder has to submit a Warranty Certificate along with invoices.
9. In case of a proprietary item, a certificate by the OEM to be attached.

1	Tender No. & Date	Re-TENDER NO 16/2020-21 dated 01/01/2021
2	Item	Purchase of above mentioned equipment for the District Forensic Laboratory, Kollam and Malappuram
3	Quantity	Mentioned above
4	Estimated Amount	Rs. 37,00,000/-
5	Tender Fees	Rs. 7000+ GST 18% will pay to GST department directly
6	Earnest Money Deposit	Rs. 37000/-
7	Date and time of publication of e- Tender	04/01/2021 06:00 PM
8	Date of submission of e-Tender	04/01/2021, 06:00 PM to 18/01/2021 ,12:00 NOON
9	Last date and time for online submission of e-tender	18/01/2021, 12:00 NOON
10	Date and time of opening of e- Tender	19/01/2021, 3:00 PM
11	Place of opening	Forensic Science Laboratory, Thiruvananthapuram



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12	Date, Time and Place of Technical Evaluation	Will be informed later
13	Bid Validity (Total Number of Days up to which the rates are to be firm)	150
14	Address of Tender Inviting Authority	Forensic Science Laboratory, Kerala, Vazhuthacaud, Thiruvananthapuram - 695010 Ph: 04712721533 e-mail: dirfsl.pol@kerala@gov.in Website: www.keralapolice.gov.in

- 1. Mode of submission of bids: - Online.** All Bid documents shall be submitted only in online procedure through the e-GP website www.etenders.kerala.gov.in in their designated online covers. Details of covers are given separately. No other mode of submission shall be accepted and such tenders will be rejected outright.
- 2. Cover details: -** No. of covers - 2. i) Technical Bid and Financial Bid. In the case of Foreign Equipments, the rate must be quoted in Indian Rupees. The documents to be uploaded under each online covers are specified in the website.
- 3. Downloading of e-Tender documents: -** The tender document can be downloaded from the e-GP website www.etenders.kerala.gov.in from the date and time of publication of e-tender onwards to last date and time for online submission of e-tender. Downloading of tender documents will not be possible after the date specified above.
- 4. Submission of e-Tender documents: -** The digitally signed tender document and other specified documents shall be submitted online through the e-GP website www.etenders.kerala.gov.in well in advance before the last date and time mentioned above. No submission shall be allowed after the last date mentioned above.
- 5. Payment of Tender Fees: -** A non-refundable tender fee shall be paid in online mode through the e-GP website www.etenders.kerala.gov.in at the time of bid submission. No other mode of payment shall be accepted. **The tenders of bidders who do not remit fees through online will be rejected outright.**
- 6. Payment of Earnest Money Deposit (EMD): -** The EMD shall be paid in online mode through the e-GP website www.etenders.kerala.gov.in at the time of bid submission. No other mode of remittance shall be accepted.
- 7. Exemption from payment of EMD: -** Bidders who are registered with Store Purchase Department, Kerala or National Small Scale Industries Corporation Ltd., New Delhi (for the items tendered) are exempted from submission of EMD. Those bidders claiming exemption shall submit valid registration certificate from the SPD, Kerala or NSSIC, New Delhi.
- 8. Tenders of bidders who do not remit EMD online or do not upload documental proof (digitally signed) for exemption of EMD will be rejected outright.**
- 9. Withdrawal and re-submission of e-Tender: -** The Bidders are at liberty to withdraw the submitted tender/documents and to submit fresh tender/documents till the last date and time of submission of the e-Tender after which withdrawal/re-submission will not be allowed.



10. **Opening of e-Tenders:** - The bids shall be opened online through the e-GP website www.etenders.kerala.gov.in at the Police Headquarters, Vazhuthacaud, Thiruvananthapuram on the date and time mentioned above in the presence of the Bidders/ authorized representatives who wish to attend at the above address. If the tender opening date happens to be a holiday or non-working day due to any valid reason, the tender opening process will be done on the next working day at the same time and place specified. Any change in the opening date/time/venue due to other reasons shall be informed by way of Corrigendum published in the e- GP website. The Technical Bids will be evaluated by a Technical Evaluation Committee and those that do not conform to the specifications or to the satisfaction of the Committee will be rejected. The financial bids of the Technically qualified Tenderers only will be considered for opening. The date of opening of financial Bids will be intimated to the concerned technically qualified tenderers, over phone/Fax/e-mail. This will be with in 7 to 10 days of evaluation of technical bid.
11. **Technical Evaluation:** - All tenderers who quote for the supply of above equipment are required to be ready for live demonstration to be held in Forensic Science Laboratory and the **date will be informed later.**
12. All Bidders who participates in e-tender should produce hard copies of all relevant documents related to e tender at the time of technical evaluation, without fail.
13. Note to Bidders:
14. Bidders have to procure legally valid Digital Certificate (Class III) as per Information Technology Act, 2000 for digitally signing their electronic bids. Bidders can procure the same from any of the license certifying authority of India. For more details, please visit the e-GP website www.etenders.kerala.gov.in.
15. Bidders are advised to note the Tender_Id and Tender No. & Date for future reference.
16. All uploaded documents should contain the signature and the office seal of the bidder/ authorized persons and should be digitally signed while uploading. Documents uploaded without digitally signing shall entitle rejection of the tender.
17. In the case of Foreign Equipments, the rate should be quoted in Indian Rupees. Preference will be given to those who are ready to supply the item without opening Letter of Credit. Ordinarily, no advance payment will be made for procuring the above item. In case advance payment has to be made, a clear case has to be made out by the Tenderer. However this will be only on extraordinary circumstances.
18. For obtaining Digital Signature Certificate and help on e-tendering process, contact Kerala State IT Mission, e-Government Procurement PMU & Helpdesk, Basement floor of Pension Treasury Building, Uppalam Road, Statue, Thiruvananthapuram; Ph: 0471-2577088, 2577188; Toll free no: 18002337315; e-mail: etendershelp@kerala.gov.in; Website: www.etenders.kerala.gov.in on all government working days from 9:30 am to 5:30 pm.
19. The Director, Forensic Science Laboratory is empowered to reject any tender without assigning any reason.
20. For any clarifications regarding the terms and conditions in this tender notice or the tender document, please contact Director, FSL, Or Manager FSL, Thiruvananthapuram – 10 on all Government working days from 10:30 am to 5:00 pm. (Ph. No. 0471-2722136)(Ph. No. 0471- 2722155). For any litigation relating to this order, the jurisdiction will be Thiruvananthapuram City.

SPECIFICATIONS

1. Analytical Weighing Balance With Density Determination Kit

Capacity : 120 gms/ better Minimum display : 0.01 mg



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Repeatability Std. Deviation : ≤ 0.01 mg/better Linearity : ± 0.1 mg/ better
Response Time: 3secs.
Operating ambient Temperature : 5 to 40° C
Temp. coefficient of sensitivity 10 to 30° C : + 2ppm/ °C
Sensitivity stability against temperature 10 to 30°C : + 2ppm (When PSC is ON) Pan Size:
80 mm dia approx.
Fully Automatic internal calibration system and fast stabilization time

Power Consumption: 7 VA approx.

Display – Full colour VGA graphic Display, QWERTY keyboard, Numeric Key pad to quick input and GMP data and other application data

Easy access communication ports include minimum two unit of USB ports, save to USB, internal weigh below hook for below balance weighing applications, removable stainless steel platform, stability indicator, overload and under load indicator, auto standby, GLP/GMP Data output with real clock time and data transfer function.

Construction should be metal base, ABS top housing, stainless steel pan, antistatic glass draft shield with top door, replaceable in use cover.

Warranty- 3 years

The instrument will have superior technology, superior accuracy, response and duration

Balance should supply along with density determination kit for both solids and liquids.

Glass beaker, glass plummet, sinker glass, Brackets, platforms, Holder for non- floating solids, thermometer with holder, etc.

2.Spray Bottle With Sprayer (Special Atomizer/ Test Tube Atomizer/ TLC Plate Sprayer) Borosilicate glass spraying device with rubber ball Volume- 50 to150 ml

Volume- 10 to 50 ml (test tube type) Very fine and uniform spray

3.Heating Mantle with Energy Regulator

Chemical resistant body

Capacity: 250mL & 500 mL 9 (Accommodate round bottom flask of 250 ml & 500 ml capacity or Accommodates round bottom flask between 250 to 1000mL) Temperature controller energy regulator/ better

Should provide uniform heating

Maximum surface temperature- 100oC/better

Should be provided with calibration certificate, Traceability certificate and CE certificate as per NABL requirements.

4.TLC Plate Coater

Hand operated, chemical resistant & metallic

Adjustable gate for layer thickness (0.20mm/0.25 mm/ better) One plate holder for minimum eight/ better 20 cm X 20 cm plates. Suitable for routine work.

Should be chemical resistant



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5.Thin Layer Chromatographic Plates

Size: 20 cm X 20 cm TLC Borosilicate glass plate Should be chemical resistant

6.Thin Layer Chromatographic Tank (TLC Tank)

Rectangular glass TLC developing tank with latch & knob glass lid Glass tank features: flat ground top and flat ground bottom for stability For 20 cm X 20 cm TLC glass plates Should be chemical resistant Borosilicate glass

7.Borosilicate glass Desiccators

Borosilicate glass with bodies and covers that have great strength and utility The body is designed with a streamlined contour that facilitates easy cleaning of the used desiccant.

Any desiccant such as sulphuric acid, phosphoric pentoxide, calcium chloride or silica gel may be used

Robust Desiccators base and cover made of borosilicate glass. Simple design for drying under atmospheric pressure

Ground glass flanges.

Plates are positioned on an internal ledge within the base.

Generally used for drying of moist products, and for storage of moisture-sensitive substances.

Size: Borosilicate glass (210mm)

8.Bunsen Burner

Natural Gas Bunsen burner with rotatable air regulator Nickel plated burner tube for maximum corrosion resistance Steel base 80 mm diameter

11 mm diameter burner, total height 125 mm, boxed weight approx. 250 g, 8 mm gas inlet

9.Hot Air Oven.

Glass window in-built into the door.

Forced convection design ensures a high level of control accuracy and uniformity.

Automatic cut off of heater & blower when door opened.

Digital PID temperature controller with timer, alarms and auto tuning. Non contact type door switch.

Aero dynamic internal design for achieving horizontal air circulation. Solid and plain bottom without electricals.

Seamless round cornered edge of internal chamber ensures easy cleaning & prevents any leakage.



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Supplied with stainless steel wire mesh shelves. Shelf height adjustable in 25mm steps.
Temp range: +50°C to 200°C. Control accuracy: $\pm 0.2^\circ\text{C}$.
CE certified.
Capacity (Appro.): 91 L

10. UV Lamp with Wooden Table/ UV Lamp Table (Wooden)

L x B x H: 6 ft x 3 ft x 2.5 ft

UV Lamp

UV bulb with height and position adjustable stand and hood Instant on/off/restrike
Lightweight, solid-state ballast Integral bulb/reflector assembly
Cool, impact-resistant and dent-proof housing Input 240V and 100V
Bulb life 2,000 hours or above

11. Micropipettes

Micropipette should be adjustable with ultra- light weight and fully autoclavable. Piston System: Ultra-light system made of fortan.
It should be highly resistant to heat, acids and alkalies, mildew, bleaches, aging, sunlight and abrasion .
Volume Display: Four digit display.
Volume adjustment: Only few turn to reach from maximum to minimum volume . Ejector: Very low ejection force and positioned for perfect ergonomics.
Viable calibration seal to indicate factory calibration not changed .
0.5 to 10 micro litre
1 to 100 micro litre
20 to 200 micro litre
100 to 1000 micro litre
500 to 5000 micro litre

12. Density Gradient Tube with Stand

i. Tube made up of Borosilicate glassii. Length of the tube: 30 cmiii. Inner diameter of the tube: 5mm



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Latha Devi M A
Director



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