

**GOVERNMENT OF KERALA  
POLICE DEPARTMENT**

**FORENSIC SCIENCE LABORATORY**

Vazhuthacaud, Thiruvananthapuram - 695010 Ph: 0471-2721533

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[www.keralapolice.gov.in](http://www.keralapolice.gov.in)

**C1-7373/2020/FSL**

Dated: 05/10/2020

**e-Government Procurement (e-GP)  
NOTICE INVITING TENDER**

The Director, Forensic Science Laboratory, Kerala Police Department, Government of Kerala invites online bids from reputed manufacturers/ authorized dealers or reputed vendors for the under mentioned **Equipment for Biology and Serology Division of FSL and RFSLs**. The bidders should comply with the following general conditions in addition to the additional conditions of the instant tender.

**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:
  - a). Valid Authorization letter from the OEM to attend this particular Tender.
  - b). Certificate of Registration/Incorporation Certificate of the Bidder.
  - c). Last 3 year's financial status of the Bidder's/P&L and Balance Sheet/audit report of last 3 years.
  - d). The bidder (authorized dealer/distributor) should have the dealership/distributionship for at least 3 (three) continuous consecutive years with the OEM.
  - e). The Bidder has to submit a Warranty Certificate along with invoices.
  - f). In case of a proprietary item, a certificate by the OEM to be attached.

Sl No	Name of Equipment	Quantity Required
1	<b>weighing balance</b>	1.00
2	<b>Horizontal Electrophoresis Unit</b>	1.00
3	<b>Centrifuge-Table Top Imported</b>	2.00
4	<b>Imported Biological Digital Microscope with Measurement Facility</b>	2.00
5	<b>Glass Distillation Unit</b>	1.00

1	Tender No. & Date	-TENDER NO 11/2020-21 Dated 05/10/2020
2	Item	Under mentioned <b>Equipments for the Biology and Serology Division of FSL and RFSLs</b>  "
3	Quantity	List attached
4	Estimated Amount	Rs. 10 Lakhs
5	Tender Fees	Rs. 2500+GST =Rs.2950/-

6	Earnest Money Deposit	Rs. 10000/-
7	Date and time of publication of e-Tender	05/10/2020 06:00 PM
9	Date of submission of e-Tender	06/10/2020, 06:00 PM To 11/11/2020,12:00 NOON
10	Last date and time for online submission of e-tender	<b>11/11/2020, 12:00 NOON</b>
11	Date and time of opening of e-Tender	12/11/2020, 3:00 PM
12	Place of opening	Forensic Science Laboratory, Thiruvananthapuram
13	Date, Time and Place of Technical Evaluation	<b>Will be informed later</b>
14	Bid Validity (Total Number of Days up to which the rates are to be firm)	180 days

15	Address of Tender Inviting Authority	Forensic Science Laboratory, Kerala, Vazhuthacaud, Thiruvananthapuram - 695010  Ph: 04712721533  e-mail: dirfsl.pol@kerala@gov.in  Website: <a href="http://www.keralapolice.gov.in">www.keralapolice.gov.in</a>
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**9. 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](http://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.

**10. Cover details: -** No. of covers - 2. i) Technical Bid cum and Financial Bid. The CMC/AMC/ATS after warranty period also to be quoted in the 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.

**11. Downloading of e-Tender documents: -** The tender document can be downloaded from the e-GP website [www.etenders.kerala.gov.in](http://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.

**12. 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](http://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.

**13. 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](http://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.**

**14. Payment of Earnest Money Deposit (EMD): -** The EMD shall be paid in online mode through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) at the time of bid submission. No other mode of remittance shall be accepted.

**15. 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.

**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.**

**16. 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.

**17. Opening of e-Tenders:** - The bids shall be opened online through the e-GP website [www.etenders.kerala.gov.in](http://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 within 7 to 10 days of evaluation of technical bid.

**18. 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, **TVPM and the date of the venue which will be intimated in due course. In the event of firms not able to show live demonstration, they need to convince the Technical Evaluation Committee about such inability and resort to documentary/power point presentation with original product brochures/CDs/scale models/videos/ slide shows etc. to the utmost satisfaction of the Technical Evaluation Committee.**

**19. 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.**

**20. Note to Bidders:**

- i. 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](http://www.etenders.kerala.gov.in).
- ii. Bidders are advised to note the Tender\_Id and Tender No. & Date for future reference.
- iii. 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.
- iv. 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.
- v. 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](mailto:etendershelp@kerala.gov.in); Website: [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) on all government working days from 9:30 am to 5:30 pm.
- vi) The Director, Forensic Science Laboratory is empowered to reject any tender without assigning any reason.
- vii. 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)

**NOTE: - Bidders are advised to go through the conditions in the notice inviting tender and the tender document carefully and comply them to avoid outright rejection of their tender.**

For any litigation relating to this order, the jurisdiction will be Thiruvananthapuram City.

**Sd/-**

**DIRECTOR  
FORENSIC SCIENCE LAB**



## **Specification**

### **1. Specifications for weighing balance**

- Should be 4 decimal balance (0.1mg)
- Capacity- 220g
- Repeatability should  $\leq 0.1$  mg or better
- Pan size should be 91mm or more.
- Calibration should be Internal.
- Stabilization time should be less than 4 min
- Linearity should be  $\pm 0.2$  mg
- Should need wind shields.

### **2. Horizontal Electrophoresis Unit**

- Should be able to run minimum 15 samples
- Should be mini gel electrophoresis.
- Buffer volume should be 400ml maximum.
- Gel size should be 10x7.5. Should supply all combs (15wells, 8wells and 3wells) 1.5mm thick
- Should provide reagents and accessories for casting 1000 gels

### **Power Supply Unit**

- Programmable power supply for compatible with horizontal as well as vertical gel electrophoresis units
- Should have three pairs of output jacks
- Input Voltage: 230 V, 50-60 Hz
- Output range: 0-300V in 1V steps, 200 mA adjustable in 1mA steps
- Operating modes for constant voltage, constant current
- Built-in timer 1-999 min
- Should have safety features to detect the overload, load change, no load, ground leak.
- It should have backlit LCD type graphical display

### **3. Centrifuge-Table Top Imported**

- Maximum Speed: 15000RPM or more.

- Maximum RCF: 22388g or more.
- Control system: Microprocessor
- Motor should be brushless and maintenance free.
- Maximum Capacity: 4x100ml (swing out & fixed rotor) or more.
- Maximum tube capacity should be 32x10ml(swing out) and 30x15ml(fixed rotor) or more.
- Should need adjustable acceleration and deceleration speeds.
- Centrifuge must be capable of spinning Fixed angle, Micro plates, Swing bucket rotors.
- Centrifuge should have imbalance detection and lid lock safety feature.
- Centrifuge should need auto rotor identification feature.
- Digital Display needed.
- Timer range: 30sec to 999mins and infinite mode.
- **Rotor**
  1. 24x2ml fixed angle rotor.
  2. 24x15ml fixed angle rotor.
  3. 6x50ml fixed angle rotor.

#### 4. Imported Biological Digital Microscope with Measurement Facility

Optical System	Infinity Optical System with Parfocal distance 80mm
Eyepiece	EW10x/22mm with Diopter adjustment and Anti-mold
Viewing Head	Infinity Seidentopf Binocular Viewing Head, Inclined at 45°, Interpupillary 47-78mm, Splitting ratio 50/50
Digital Part	Integrated 6 MP Multi-threaded Scanning technology
Objective	Infinity Plan Objective RDN-2 Series
	Infinity Plan Objective 4X, Infinity Plan Objective 10X Infinity Plan Objective 20X, Infinity Plan Objective 40X Infinity Plan Objective <i>bedew</i> -immersion 100X
Nosepiece	Reversed Quintuple Ball Bearing Nosepiece
Rack less Mechanical Stage	Hard coated anodized surface Rack less Stage 230mm x 150mm, Moving Range 78mm x 54mm With Specimen holder for double slide, one-hand operation

	with spring lever
Condenser	Abbe Condenser NA 1.25, Aperture diaphragm with position guide markings
Focusing System	Focusing Coaxial/Fine Focusing, Right: Fine, Left: coarse/fine, Focusing stroke: 38.5mm, Coarse motion torque adjustable, Refocusing function, Fine Stroke 0.2mm per Rotation, Fine division 0.002mm, Moving Range 32mm
Illumination	6W LED, 6000 Kelvin Colour Temperature and Brightness Adjustable
Software	Image capturing, Video recording, Programmable, measurements with calibration
Computer	All-in-One with Corei5, 1TB HDD, 6GB RAM, DVD RW 20" Display, 600VA UPS

## 5. Glass Distillation Unit

Type: Single distillation unit.

Heater: Silica or ceramic protected coil/Beaded coil with built in heater

Input current: 230-250 Volts Single phase

Glass: Borosil grade or any heat resistant

Output: 1.5 Liter/h or above

Conductivity: 1.5 to 2.5  $\mu$ S or lesser

Safety feature: Auto cut off facility.

Submersible water pump for re-circulating water through condenser is desirable