



**GOVERNMENT OF KERALA  
POLICE DEPARTMENT**

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**H9/55509/2020/PHQ**

Dated: 17/08/2020

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

The State Police Chief, Kerala Police Department, Government of Kerala invites online bids from reputed manufacturers/ authorized dealers or reputed vendors for the **SUPPLY AND INSTALLATION OF REAL TIME PCR MACHINE**. 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 (preferable 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 5 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 Warrantee Certificate along with invoices.
  - f). In case of a propriety item, a certificate by the OEM to be attached.

1	Tender No. & Date	KPET/68/2020/PHQ Dated 17.08.2020
2	Item	<b>SUPPLY AND INSTALLATION OF REAL TIME PCR MACHINE</b>
3	Quantity	<b>1 No.</b>
4	Estimated Amount	<b>Rs. 20 Lakh</b>
5	Tender Fees (through online mode only)	Rs. 3750/- (Rupees Three thousand seven hundred and fifty only) (GST extra) 18% GST amount on tender fees mentioned above shall be paid to GST Department directly by the bidder.

6	Earnest Money Deposit (through online mode only)	Rs. 20000/- (Rupees. Twenty thousand only)
7	Specifications	Attached in tender document
8	Date and time of publication of e-Tender	17/08/2020, 06:00 PM
9	Date of submission of e-Tender	17/08/2020, 06:00 PM To 16/09/2020, 12:00 PM
10	Last date and time for online submission of e-tender	<b>16/09/2020, 12:00 PM</b>
11	Date and time of opening of e-Tender	18/09/2020, 3:00 PM
12	Place of opening	Police Headquarters, Thiruvananthapuram
13	Date, Time and Place of Technical Evaluation	<b>23/09/2020</b> , 10.30 AM, Police Headquarters, Thiruvananthapuram
14	Bid Validity (Total Number of Days up to which the rates are to be firm)	180 days
15	Warranty & AMC	Three years warranty. Charges for AMC/ATS for a period of three years after warranty period should be quoted in the financial Bid.
16	Address of Tender Inviting Authority	State Police Chief, Kerala, Vazhuthacaud, Thiruvananthapuram - 695010  Ph: 0471-2722566 Mobile No. 9497996998 Fax: 0471-2722566 e-mail: aig2phq.pol@kerala@gov.in Website: <a href="http://www.keralapolice.gov.in">www.keralapolice.gov.in</a>

**8. 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.

**9. Cover details:** - No. of covers - 2. i) Technical Bid ii) Financial Bid. The 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.

**10. 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.

**11. 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.

**12. 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.**

**13. 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.

**14. 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.**

**15. 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.

**16. 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 with in 7 to 10 days of evaluation of technical bid.

**17. Technical Evaluation:** - All tenderers who quote for the supply of above equipment are required to be ready for live demonstration to be held in the Conference Hall of the **Police Headquarters, TVPM on 23.09.2020 at 10.30 AM ( or any other 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. The Technical Evaluation Committee will be consisting of the following officials.**

- i. Additional Director General of Police, Crime Branch - Chairman  
(Ph. No. 0471-2722215)
  
- ii . Inspector General of Police, Crime Branch, TVPM Range - Member  
(Ph. No. 0471-2319787)
  
- iii. Director, FSL - Member  
(Ph. No. 0471-2721533)
  
- iv. Joint Director, General, FSL - Member  
(Ph. No. 0471-2722136)
  
- v. Joint Director, Research, FSL - Member  
(Ph. No. 0471-2315767)

(The Chairman of the Committee can co-opt any other technical member of his choice to the Committee for proper evaluation of the tendered item. Any clarification/doubts regarding the specification or related matters pertaining to the items tendered may be freely got cleared through the officers included in the above committee by contacting them in the numbers shown against their names above. The contact in Police headquarters will be Senior Superintendent, H& Mod. Section, Ph. No. 0471-2722768-1265).

**18. 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.**

**19. 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 Tenderee. 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 State Police chief 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 Additional Asst. Inspector General of Police, , OR Senior Superintendent H Branch, Police Headquarters, Vazhuthacaud, Thiruvananthapuram – 10 on all Government working days from 10:30 am to 5:00 pm. Ph:0471-2721547 Fax: 0471-2726945
- viii) **Bidders who are using Internet Banking are requested to make online payment 72 hours in advance.**

**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/-

Additional Assistant Inspector General of Police

For DIRECTOR GENERAL OF POLICE &

STATE POLICE CHIEF, KERALA

## **Specification of RT-PCR**

A dedicated HID validated multicolor Real Time PCR system (excitation and emission) with latest generation Peltier-based 96-well plate/tube in-built PCR to support:

- a. Gene-Expression analysis,
- b. Pathogen Quantitation,
- c. SNP Genotyping
- d. Plus/Minus Assays that utilize internal positive control,
- e. Dissociation Curve Analysis,
- f. Multiplexing and complete End-Point Assays.
- g. HRM

Bright White LED for better excitation

Six decoupled filters with minimum 6plex multiplexing (six targets in one tube).

Max block ramp rate should be  $\geq 5^{\circ}\text{C}/\text{sec}$  with temp uniformity of  $0.4^{\circ}\text{C}$ .

CMOS CCD/ Photodiode Camera for detection.

The built-in emission filters to readily support broader range of fluoro-phores with a greater sensitivity for longer wavelength (red) dyes. The system should be readily configured and optimized for use of any of the following dyes or a combination thereof at any time, without any change in the hardware:

FAMT/SYBR Green VIC /JOET/HEX/TETBY /NED/TAMRAT"/cy 3JUN

ROXT/Texas Red Mustang Purple Cy5/LIZ Cy 5.5

Total reaction volume of minimum 10 uL to 30 uL, although lower would be preferred to economies the reagent consumption.

The instrument should come along with branded laptop/desktop for data analysis.

System should run in FAST and standard mode.

Application software like dedicated primer and probe design software as well as relative quantitation analysis software to analyze multiple 96-well-plates of data.

Simultaneously must be included as standard supply in the quoted price.

A complete line of reagents including Taq Man® universal PCR Master Mixes and SYBR® Green I Master Mixes, and disposables including tubes and 96-well plates

for use with the system must be quoted. The manufacturer should quote a choice of ready-made assay kits or ready-to-make assay kits for Gene Expression as well as SNP analysis.

The installation specifications must demonstrate the ability of the system to distinguish between samples containing 5,000 and 10,000 template copies with a confidence level of 99.7% using an RNaseP instrument verification plate or alike. The system must be calibrated optically for the pure dyes during installation at sight.

Computer: A business line Dell computer (either notebook or tower) should be provided with the system.

The supplier should be able to supply all the reagents and consumables for the operation of the system.

Instrument operational training and wet lab application training should be provided by the vendor at our institute.

The system should be validated for forensic application as per international forensic guideline.

The validation certificate should be attached.

Minimum 3 Years of CMC on completion of warranty should be provided.