



Introduction and overview

Global Health Development|The Eastern Mediterranean Public Health Network (GHD|EMPHNET) is pleased to invite qualified vendors to submit proposals for the Bidding of PCR (Polymerase Chain Reaction) machines. This initiative funded by Centers for Disease Control and Prevention CDC US, aims to provide three PCR machines to the Ministry of National Health Services Regulations and Coordination, Government of Pakistan, as part of a global health development initiative to modernize the PCR machines at CPHLs (Central Public Health Laboratories) in the above-mentioned country. We are seeking bids from reputable vendors who can supply high-quality PCR machines that meet the specific requirements outlined in this document.

Country: Pakistan

Number of PCR Machines Required: 3

Requirements and Specifications: Listed below.

Bid Proposal Submission Receipt Deadline: 30 days – May 6 – June 5, 2024. 23:59.

Tender opening day: June 6, 2024.

Evaluation and Vendor Selection: 5 working days – June 13, 2024.

Contracts Negotiation and Finalization: 10 working days - June 27, 2024.

Implementation and Follow-Up: Commencing 2 months after contract signing (to be fully completed by August 22nd, 2024)

Please be aware that the deadline for submitting bid is official, and they must be received at GHD|EMPHNET before the specified official tender opening day mentioned above. Keep in mind that using official channels for submitting a sealed bid may require some additional time and the associated cost will be fully covered by the applicants.

Please read the specifications, terms/conditions, and the additional notes carefully.

Item: Real Time PCR system (Technical Specifications)

#	Technical specification	Min requirements
1	Manufacturer	Specify manufacturer and country of origin
2	Model number	Specify Model number
3	Thermal cycling	Pletier-Based-96 well block
4	Optical system	CCD camera with halogen lamp excitation or LED light
5	Calibrated dyes at installation	FAM, VIC or HEX, ROX and Cy5 or their relevant detection range
6	Passive Reference Dyes	ROX dye, any calibrated dye, or no dye
7	Reaction Volumes	20–100 μ L
8	Sample Format	Standard 96-well plates and 0.2 mL tubes
9	Temperature Range	4–100°C
10	Temperature Accuracy	+/- 0.25°C of setpoint/display temperature, measured at 3 minutes after clock start
11	Temperature Uniformity	+ /- 0.50°C, 30 seconds after clock start
Software Specifications		
12	Applications	Comparative Ct, Standard Curve, Relative Standard Curve, Allelic Discrimination, Plus/Minus
13	Dye Discrimination	Multi component algorithm
14	Multiplate Data Comparison	Compare an unlimited number plates of gene, expression assays
15	Multiplex Capability	Multiplex up to five targets per well
16	Data and informatics	Laptop connectivity or touch screen for analysis
17	Connectivity	Wi-Fi, ethernet, and USB capability
18	Service requirements	Calibration no more than once per year, manufacturer can demonstrate availability of service technicians to provide on-site support to repair equipment or address technical issues with instrument or software; preferred: no calibration required
19	Validation	Validated using a CDC developed assay for respiratory viruses (Influenza, RSV, MERS)

Terms and conditions

1. Supply includes installation at the specified site by GHD|EMPHNET.
2. Offers should be received in English language only.
3. The contractor is required to visit the site and inspect it within one week of receiving the purchase order to prepare the site according to the necessary requirements.
4. The contractor is obligated to conduct necessary and sufficient training sessions for operating and using the machine at the specified site.
5. The contractor commits to providing free maintenance for the machine, including all consumable and damaged/defected spare parts and everything necessary for the machine's operation, for a period of 3 years from the date of receiving the devices.
6. The contractor is required to provide an original copy of the operation manuals upon machine delivery and an original (or electronic) copy of the maintenance manuals.
7. The contractor commits that the delivery period of the machines will not exceed one month from the date of receiving the purchase order.
8. The contractor commits to affixing labels indicating the name and address of the local agent (phone, fax).
9. The contractor commits to providing new (100%) machines and the latest models from the manufacturing company, stating the manufacturing date, and ensuring that production has not been discontinued upon receiving the purchase order.
10. During the free maintenance period, the contractor commits to responding to service requests by phone, supported by fax and email, within (24) hours.
11. The contractor commits to repairing the machine and returning it to service within (48) hours from the date of reporting the malfunction, and otherwise, the contractor commits to replacing the faulty machine with a new, working machine of the same specifications and quality level or better.
12. For referral purposes, it is required that a local agent for the manufacturing company be available with an engineering team qualified and trained by the manufacturing company to maintain the machines, along with providing names of the team and their technical experiences and original (or certified) training certificates in the field of the supplied machines. This condition is considered essential for referral purposes.
13. The tenderer commits to specifying the manufacturer, country of origin, and place of manufacture, as well as providing a copy of the certificate of origin upon request and affixing a non-removable thermal label indicating the country of manufacture (Made in...).
14. In case of updates on the machines regarding hardware and software, the contractor commits to providing them free of charge for the operational lifetime (or the duration of the agreement or contract); whichever longer of the two terms; of the machines requiring such updates, and the contractor commits to providing all related data periodically and promptly upon approval by the manufacturing company.
15. The contractor commits to providing an original or certified copy of relevant CE MARK or FDA APPROVAL certificates upon receipt.
16. Submission of the company's registration documents.
17. The contractor commits to providing a performance bond worth 10% of the referral value in the form of a certified bank check.
18. GHD reserves the right to cancel, withdraw, or reject any bid or offer without providing any reasons. Including its right to withdraw/cancel the bid itself.
19. GHD is not obliged to select the lowest price, nor is it obliged to select any of the bidders without providing any reasons.
20. All transactions related to the bid and subsequent relationship with the successful bidder (including during negotiation stages) shall be subject to the prevailing laws of the Hashemite Kingdom of Jordan, and the Jordanian courts (Amman First Instance Court/Palace of Justice) shall have jurisdiction to settle any disputes arising thereof.

Additional notes:

- **Interested vendors are required to submit a sealed bid by hand or using the official channels (such as DHL, Aramex, FedEx etc.) to the following address:**

GHD|EMPHNET

Shmeisani, Abdallah Bin Abbas Street, Building No 42

Amman, Jordan

Phone: +962 6 551 9962

Fax: +962 6 551 9963

P.O.Box: 963709

Postal Code: 11196

- **For inquiries or further clarification, please contact: procurement@globalhealthdev.org**