



राष्ट्रीय यक्ष्मा अनुसंधान संस्थान
NATIONAL INSTITUTE FOR RESEARCH IN TUBERCULOSIS
(Indian Council of Medical Research)
(Formerly Tuberculosis Research Centre)
Department of Health Research, Ministry of Health & Family Welfare
Government of India
No.1, Mayor Sathyamoorthy Road, Chetpet, Chennai 600031

Ref: No.P1/ Real Time PCR/Bact/2017-18

Date: 08.05.2017

ENQUIRY

Separate Sealed Tenders are invited under Two Bid System i.e. 1.) Technical Bid 2.) Financial Bid on behalf of the Director, National Institute for Research in Tuberculosis, ICMR, No.1, Mayor Sathyamoorthy Road, Chetpet, Chennai-31, from authorized original equipment manufacturers/ authorized distributors/ authorized dealer/ supplier for “**REAL TIME PCR, ACCESSORIES with UPS**” as per the following specifications at the doorstep of NIRT, Chennai. The quotations must accompany a Lump Sum Earnest Money Deposit of Rs.28,000/- (Rupees Twenty Eight Thousand Only) by DD in favour of The Director, NIRT, payable at Chennai.

Interested manufacturers/dealers should submit their offer along with their company/ personal profile.

Sl. No.	Particulars of the Item	Qty
1.	REAL-TIME PCR instrument and accessory on turn key basis with UPS.	1 NO
Technical Specification as per enclosure		

TERMS & CONDITIONS

1. This is an enquiry and must not be treated as an order.
2. Sealed offers marked confidential and superscripted as “**REAL TIME PCR, ACCESSORIES WITH UPS**” **due on 29.05.2017 by 3.00 PM** must be dropped in the quotation box kept at Administration Stores Room and also can be sent through post addressed to **The Administrative Officer (Stores), National Institute for Research in Tuberculosis, ICMR, No.1, Mayor Sathyamoorthy Road, Chetpet, Chennai – 600 031.**
3. No EMD to be submitted by vendors for those who are registered with National Small Industries Corporation (NSIC) & necessary proof should be submitted for EMD exemption.
4. The earnest money will be returned to all the bidders except the selected firm. No interest will be paid during the period. If a bidder withdraws or derogates from the tender in any respect within the period of validity then EMD will be forfeited.

5. No advance payment will be made. The payment will be made on receipt of services availed and satisfactory report of the end users.
6. Manufacturer Name, Guarantee, Net Amount, taxes if any / extra rate of Excise Duty, CST, and Sales Tax should be clearly mentioned in the quotation.
7. Availability of service after sales is mentioned for each equipment / instruments wherever quoted.
8. NIRT, Chennai will not be responsible for any delay for late receipt of quotations.
9. Late/delayed quotations and quotations not fulfilling the above Terms and Conditions will be summarily rejected and will not be considered under any circumstances.
10. Preference will be given to those firms who are registered / approved by any competent Government Dept. / Organizations.
11. Items should be supplied at Door Delivery. No extra payment on account of transportation, handling, loading, unloading, unloading, labour charges etc. will be made.
12. NIRT, Chennai does not bind itself to accept the lowest quotations and reserves the right to accept the quotation in part or full. Furthermore NIRT, Chennai reserves the right to reject any or all quotations without assigning any reason.

ANNEXURE

TECHNICAL SPECIFICATIONS FOR REAL TIME PCR, ACCESSORIES WITH UPS.

Qty: 1 No

1. A Peltier based 96 well thermal cycler with temperature range of 4°C to 100°C.
2. Compatibility to standard 96*0.2ml PCR tubes or plates or 8 well strips.
3. Each well should receive the same amount of excitation light.
4. Each well should receive excitation light for the same length of time.
5. Gradient capacity in Real time along with programmable gradient feature.
6. Temperature stability <+/- 0.3°C from ambient to 95°C
7. Heating and cooling rate 5°C/S
8. **System should be capable for Multiplexing/detection of at least 5 dyes or better including FAM/SYBR Green I/Eva Green , HEX/JOE/VIC, ROX/Texas Red, Cy3 and Cy5.**
9. System should have fast 40 cycle protocol run time to complete the PCR cycle (with less than 120min)
10. The system should be capable for FRET analysis with alternative filter sets at same time
11. The system must offer user customizable filter wheel design, to accommodate custom excitation and emission filter pairs. The standard filter set should include FAM/SYBR Green I/Eva Green, HEX/JOE/VIC,ROX/Texas Red, Cy3 and Cy5.

12. System should collect data for all 4 or more filters for all wells regardless of plate setup
13. 10 logs of dynamic range or higher.
14. System should work with different probe chemistries like SYBR Green, TaqMan, Molecular Beacon etc
15. Shall include the latest software required for data acquisition and offline analysis.
16. The application software should include qualitative detection quantification and gene expression analysis. Tm calling melting curve based analysis of known and unknown genetic variation and end point analysis.
17. Computer connected should have in-built 500 GB HDD at least for image storage, 6USB Slots, 1 network port, intel i5 or better at least 8GB RAM,DVD RW drive, Keyboard, Optical fibre mouse, 18''or large LED monitor, window 8 applications.
18. Reagents for 1000 reaction of SYBR green master mix, CDNA synthesis kit, RNA extraction Kit, compatible 96 well plates(package of 100) and plate seal should be provided with the instrument.
19. Suitable on line UPS (about 2 KVA) is required to support the instrument.
20. Free of charge training on equipment maintenance by the certified company engineers during the warranty period.
21. The complete instrument and accessories excluding consumables should be under comprehensive warranty for period of 5 years from the date of installation.
22. The service personnel should respond within 24 hrs. and be on campus in 72 hrs. for repairs.
23. Dust cover, all wires,cords,connectors and standard accessories needed for proper functioning of the RTPCR system's operation shall be included.

Sd/-

ADMINISTRATIVE OFFICER (S) I/C