

**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE**  
**2A & 2B. Raja S.C.Mullick Road, Jadavpur, Kolkata -700 032**

**Tender Notice No.: IACS/BC/SSJ/DST/13/46 dated : 08.11.2013**

**Sub: Real Time PCR**

Sealed tender in two bids system (**Technical Bid & Financial bid**) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors of “**Real Time PCR**” with necessary accessories.

**Part I (Technical Bid)** of the tender should contain technical details and commercial terms and conditions and **Part II (Price Bid)** should indicate group-wise price as mentioned in the Technical Bid where applicable. The Technical Bid and Price bid are to be submitted in two separately sealed envelopes distinctly marked accordingly and both to be put inside another envelope, which should be sealed and super scribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Complete tender bids should reach the office of the **Department of Biological Chemistry, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata 700032** on or before the scheduled date & time specified below.

<b>Tender Notice Number</b>	<b>IACS/BC/SSJ/DST/13/46 dated 08.11.13</b>
<b>Last date and time of submitting tender</b>	<b>26<sup>th</sup> December, 2013 (12.30 PM)</b>
<b>Pre bid meeting to discuss technical specifications</b>	<b>28<sup>th</sup> November, 2013 (12.30 PM) at JC Bose Meeting</b>
<b>Date and time of opening tender</b>	<b>26<sup>th</sup> December, 2013 at 03.00 PM</b>
<b>Place of Opening Tender</b>	<b>at JC Bose Meeting Room</b>
<b>Contact</b>	<b><a href="mailto:bcssj@iacs.res.in">bcssj@iacs.res.in</a></b>

The technical bids will be opened first to evaluate the technical specifications of the equipment thereafter, the Price bids of only technically qualified bidders will be opened. The date of opening the Price Bids will be intimated to the short-listed bidders at their contact addresses. The rest of the bids will be rejected.

**A). TECHNICAL BID:**

“Technical Specifications: **Real Time PCR.**”

**SPECIFICATION FOR REAL TIME PCR**

An automated system for both real time PCR and post PCR (end point) analysis using in-built Peltier based PCR machine with full license for PCR process. The system should offer the followings:-

1. The system should be able to perform Gene Expression, Plus/Minus assay, SNP, allelic discrimination and dissociation curve analysis etc.
2. A Peltier based 96 well thermal cycler with temperature range of **4°C to 100°C**.
3. Reaction volume, preferably in between 10-30µL.
4. Compatibility to Standard 96 well plates, **8 well strips, or individual PCR tubes**.
5. Each well should receive the same amount of excitation light
6.  Each well should receive excitation light for the same length of time
7. System should be capable for detection of **at least 5 dyes** SYBR GREEN ,TEXAS Red,Cy3,Cy5 and ROX .

8. System should **have fast run time to complete the PCR cycle (with less than 60 min)**.
9. Instrument should have universal thermal cycling conditions.
10. The excitation by Tungsten Halogen/Xenon source and detection by cooled CCD camera or LED based Excitation.
- 11. Minimum Five position fluorescence excitation as well as emission filters for 5 color multiplexing.**
12. System should collect data for all 5 filters for all wells regardless of plate setup.
13. The data collection and instrument control software should provide multicomponenting algorithm for deconvolution of multiple dye signal with minimum cross talk.
14. Licensed full version software for primer and probe design must be included with manufacturer only, no third party software should be included.
15. It should be standardized for Taqman-MGB Probe based 5' Nuclease Assay and SYBR Green Chemistry, to be set up on single plate with seamless switchover between them during the run.
16. The Pre-validated and functionally tested Taqman Gene Expression Assays as well as Taqman SNP Genotyping Assays should be readily available with the vendor.

## **B). FINANCIAL BID:**

The financial bid should be super scribed as “**Finance Bid**” on the outer cover of the envelope.

1. Price Bid: The financial bid indicating (item-wise) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly superscribed as "PRICE BID" on the outer cover of the envelope as already detailed above. The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening of price bids at their email id-(s). Rest of the bids will stand rejected.

2. Price: Price to be quoted both on FOB/CIF basis for foreign currency or in Indian currency. Name of the particular port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB price.

### 3. Bid Security (EMD):

An Account Payee Demand Draft of Rs.1, 00,000/-(Rupees One Lakh only) in the name of "Indian Association for the Cultivation of Science" is to be furnished by the bidders, as Bid Security money or Earnest Money Deposit (EMD).

4. The Demand Draft for the Bid-Security money should have at least 45(forty five) days validity period after the opening of the Bids.

5. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

### 6. Performance Security:

An Account Payee Demand Draft of an amount of 10% of the order value in the name of "Indian Association for the Cultivation of Science" is to be furnished by the successful bidder as Performance security. Performance security money should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. Bid security money will be refunded to successful bidder on receipt of the Performance security money.

### (C) General Instructions:

1. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof. “**Real Time PCR**” should clearly be written on the envelope.

2. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the Institute website.

Prospective bidders are advised to occasionally visit the website ([www.iacs.res.in/tender](http://www.iacs.res.in/tender)) for any amendment.

3. Payment: 100% against delivery and successful installation subject to submission of performance guarantee.

4. Warranty: Minimum 5 years with annual maintenance contract (free of additional charge)

5. Installation/Demonstration /Application Training at site: Free of cost by the supplier

6. User list: The supplier should provide a list of current users (with contact no, Email address etc) for the quoted item in India.

7. Service facility: Supplier should mention their details of service setup and Manpower in Kolkata who are responsible for after sales support. Response time should be within 24 hours

8. The tender submitted shall remain valid at least for three months from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent

9. The tender should accompany a compliance chart. A technical compliance chart should also be provided following the given format:

Serial Number	Tender Specification	Specification of your offered instrument	Extent of compliance

**10. The rate should be inclusive of all taxes, accessories to instrument like online UPS, PC, plates, and extended AMC to make total 5 years of maintenance service, transportation, installation and demonstration to users. Nothing extra will be paid in addition to the quoted rate.**

11. The model number, make, and a printed literature of the product shall be submitted positively.

12. Proposed delivery schedule should be mentioned clearly.

13. Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organization.

14. Authorized Dealership Certificate is compulsory in case of principal manufacturing company is not quoting directly.

15. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.

16. Incomplete tenders will be summarily rejected.

17. For any clarification regarding technical specifications, etc. please send your queries to "**Dr. Siddhartha S Jana**" <[bcssj@iacs.res.in](mailto:bcssj@iacs.res.in)>

18. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of technical bids will be the following working day at the appointed time.

19. **Acceptance of Tender:** IACS authority does not bind itself to accept the lowest tender and reserves the right to reject any or all the tenders received without assigning any reason thereof.

Please note that IACS will not provide any accommodation or expenses to any of the bidders for attending opening of technical bid/price bid

**REGISTRAR**