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**DEPARTMENT OF BOTANY
VISVA-BHARATI**

FOUNDED BY
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Ref No. DBT/Bio-CARe/SM//01/2015-16

Dated: 30.06.2015

NOTICE INVITING QUOTATION

**Department of Botany
Visva-Bharati, Santiniketan**

Sealed quotation in two bids system (Technical & Financial) are invited from the reputed Firms /Company/Manufacturer/Dealer/Agent dealing with sophisticated scientific equipments, by supply of **MIQE compliant Real Time PCR**

1. The firm having good profiles and high standard reputation in dealing with such sophisticated scientific equipments are only eligible to take part in quotation.
2. Technical bid should be enclosed with the following documents:
 - i. Trade license, Manufacturing license, Import (if applicable) and any other licenses required in the related field.
 - ii. Company Registration certificate, Partnership deed (in case of Partnership firm), Power of Attorney (if required), Dealership or Authorization certificate (in case of dealer/agent) from the manufacturer.
 - iii. PAN and clearance certificate of VAT, CST, Service Tax, P. Tax, etc.
 - iv. Credential for dealing with business of sophisticated scientific equipments for at least five years with list of clients to whom such equipments were supplied (Govt. Org. preferable) Annual turnover for at least Rs. 50 lakhs during last three consecutive years supported by the Audited Balance Sheet.
 - v. Name, Designation and contact no. of the qualified Engineer/s who will provide services to us against this supply.
 - vi. Detail of the company from which the Indigenous items (if required) will be procured and provide their information as per Sl. Nos i-iii.

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Principal Investigator
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3. EMD of Rs.25,000/- for MIQE Complaint Real Time PCR in the Form of D/D drawn in favor of "Accounts officer" Visva-Bharati payable at State Bank of India, Santiniketan Branch, must be enclosed with Technical bid. Quotation will be considered CANCELLED without EMD. The EMD for the qualified vendor will be kept as Security Deposit and will be refunded after successful execution of work.
4. Successful bidder will have to deposit Performance security @ 10% of the work value (INR) which will be refunded within one month of expiry of warranty period after satisfactory performance of the equipment within the warranty period. There will be no accrued interest for such deposit.
5. Price bid will be inclusive all charges like VAT/CST, Insurance, Custom Duty, Packing, installation etc. and FOB at the Department of Botany, Visva-Bharati, Santiniketan. Please note that DSIR certificate will be issued and all price components will have to be indicated
6. In case of foreign origin equipment CIF at KOLKATA value and FOB at Santiniketan should be quoted. Please indicate clearly the Indian Agent commission separately which will be paid in INR after satisfactorily installation & commissioning and operation of the equipment. The indigenous components /accessories such as computer/printer should also be quoted in INR.
7. Acceptance process of the supplied equipment will be considered complete only after the successful installation and Commissioning of the equipment at Dept. of Botany, Visva-Bharati, Santiniketan.
8. Please indicate cost for other ancillary items which may require for Pre-Installation and operation of the equipment separately. Otherwise any delay in installation and operation will be onus of the vendor and any cost in this effect will be borne by the vendor.
9. Please indicate charges separately for comprehensive AMC for four years after expiry of Warranty/Guaranty period.
10. LOWEST BIDDER will be evaluated on the basis of composite lowest offer for basic equipment and other ancillary items.
11. Financial Bids of only those bidders who qualify in the Technical bids will be considered.
12. The rate offered by the bidder will be valid for at least Six months from the date of issue of work order or date of opening of FDD (in case of foreign purchase) whichever is later.
13. Please note that the exchange rate (in case of foreign purchase) in the financial bid otherwise exchange rate for the foreign currency on opening date of quotation will be considered for evaluation of lowest bid.

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14. The vendor will arrange for on-site training for operation of equipment at own cost.
15. Please indicate the tentative delivery schedule in the financial bid and in case of branch of delivery schedule for more than one month Liquidated damage @1% of the work value per week will be deducted from the Security deposit.
16. No price variation will be allowed beyond the original Scheduled delivery for defaults on the part of the supplier. It may be allowed in case of force measure or default by the University.
17. Original quotation document should be neatly typed or printed and each page will be signed and duly stamped with official seal. In case of Authorized signatory, authorization from the competent authority should have to be submitted.
18. Any correction, deletion or Erasures, overwriting should have to be endorsed by the competent authority of signatory otherwise the quotation will be liable to be cancelled.
19. Vague, incomplete, confusing or contradicting and conditional quotation will be liable to be cancelled without any explanation.
20. The supplier will be liable to arrange post-sale service and supply of spares, maintenance after expiry of warranty/guaranty offered by the Manufacturer, for a period of **at least ten year** from the date of installation or the expiry of warranty period whichever is later.
21. The HOD reserves right to annul/issue any amendments in the quotation document or part thereof at any time prior to but five days before the deadline of submission of the quotation and such change will be deemed as integral part of the quotation. This will be published through our web-site.
22. The decision of the Purchase Committee will be final and cannot be challenged in any Court of Law.
23. The HOD reserves right to cancel the work order issued to be successful vendor, fully or partially without assigning any reasons to the vendor and there will be no claim for any compensation to the affected vendor, if arises out of such cancellation.
24. Effort to personal influence of any nature to the Purchase Committee's decision will result cancellation of the bid.
25. Notwithstanding anything contained in any clause of the quotation`document, the University reserves its right to annul the whole bidding process or to accept or reject all the bids at any time prior to finalization of contract without thereby incurring any liability to the affected bidder/s or any obligation to inform the affected bidder/s of the reason for action of the University.

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26. The bidder should quote financial bid both in figure and words. Illegible bid will be liable to be cancelled. The rate indicated in 'word' will be considered for evaluation of lowest bidder.
27. Filled in quotation will be sent through courier/speed post only. By hand/personal submission of quotation will not be allowed. Fax/e-mail/conditional quotation will not be considered. No personal communication will be entertained and any information regarding the quotation will be published in our web-site (www.visva-bharati.ac.in).
28. All disputes will be under the jurisdiction of Suri court at Birbhum district or by a Tribunal consisting of three persons – Two from the side of the University and One from the bidder, if agreed by the bidder to settle the dispute out of the court.
29. The filled up quotation should be accompanied by a D/D for the amount of Rs. 1,500/- drawn in favour of 'Accounts Officer, Visva-Bharati' payable at SBI, Santiniketan Branch (02121). The form can be downloaded from the Visva-Bharati web-site. Quotation submitted without D/D is liable to be cancelled. Separate D/D is to be enclosed for each item.
30. The bidder should submit self declaration to the effect that he is free from any encumbrance and has no case of legal conviction in any form.
31. The quotation should be sent in sealed covers super scribing as "Quotation for supply of MIQE Compliant Real Time PCR" to Dr. Suranjita Mitra, PI of the Project, Department of Botany, Visva-Bharati, P.O. Santiniketan – 731235, Dist. Birbhum, West Bengal, India.
32. The last date of receiving quotation is 25 July, 2015, 5.00 PM. Late quotation will not be accepted.

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Specifications for MIQE compliant Real Time PCR.

- Real time PCR with block of 96 x 0.2 ml tubes or plate to Run typical 0.2ml tubes, strips, and plates.
- Should have a gradient capacity with Dynamic ramping.
- Should have a Detection of 2 or more different fluorescent reporters in the same tube without the use of ROX.
- Should be capable of Detecting FAM/Sybr Green, VIC, HEX, TET, CAL Fluor Gold 540 or more.
- The system should have a ramp rate of: 5°C per sec or better.
- Should have 6 Peltier Cooling & Heating for uniform temp control
- Should have one channel dedicated for FRET experiments without the need of a service engineer to change the filters.
- Should have a mass reduced block to offer better average ramp rate and 10 sec of settling time.
- Should have an Excitation-Emission range of 450- 580nm
- No internal reference dye should be required. True 2 Color Multiplexing with use of 2 different flourophores without the need of addition of any internal reference dye,
- Should have 3 filtered LEDs as an excitation source with 3 filtered Photodiodes for detection.
- The system should be capable of networking with multiple systems in the future.
- Should have a Dynamic range of 9 orders or more.
- The system should be an Open system capable of running various chemistries so that Different chemistries using TaqMan, Molecular Beacon, SYBR green etc all can be performed.
- Temperature range 0- 100 °C with accuracy of ± 0.2 °C and uniformity of ± 0.4 °C within 10 sec of arrival at 90 °C
- Sample volume should be 1-50µl or better.
- Should have built in data analysis modules with advance features like well highlighting, QC flags and custom data view assist with quick analysis.
- Should be capable to perform Automatic allelic discrimination by end point fluorescence or threshold cycle.
- Should be capable to perform Gene expression analysis by relative quantity (ΔCt) or normalized expression ($\Delta\Delta Ct$).
- End point analysis for upto 2 fluorophores
- Should have mode for Melt curve analysis
- Comparison of upto 5000 Ct values from different data files should be possible
- System should be compatible for HRM applications.

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- Should have the feature of Email notification with data file after run completion.
- Software should have express load feature which allows entry of data after experiment.
- Should be licensed for Research & IVD applications.
- System should be compliant with the MIQE Guidelines
- System should be provided with a license copy of qbase plus software from Biogazelle which is RDML compliant, and helps in Normalization, to access post-PCR Quality, helps in inter run calibration, geNorm, helps in bio-statistical analysis, CNV Analysis and MIQE Compliancy.
- Software should be capable to import and analyze data from any real time PCR platform.
- System should be supplied with a suitable computer & 1 KVA online UPS with standard back up
- System should come with 1 year warranty from date of installation
- Vendors providing additional accessories will be given preference.

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Department of Botany

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