

UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH
(An Autonomous Institution under University Grants Commission, Ministry of Education, Government of India)
Kolkata Centre, LB-8, Bidhannagar, Sector-III, Kolkata-700106

Ref No. UGCDAECSRKC/PURCHASE/NIT/2023/01

Date: 10th February 2023

NOTICE INVITING TENDER

UGC-DAE Consortium for Scientific Research, Kolkata Centre invites sealed Offers in Two Parts (Part A – Technical and Part B – Financial) from eligible bidders for supply of the under mentioned item(s).

<u>Sl No.</u>	<u>Name of Item</u>	<u>Quantity</u>
<u>1.</u>	<u>High Through put Real Time PCR</u>	<u>1(One)</u>

1.DETAILED SPECIFICATIONS OF THE EQUIPMENT / INSTRUMENT

1. A Peltier based 96 well thermal cycler with temperature range of 4°C to 100°C
2. It should have standalone operation with onboard memory for storage of at least 1000 runs.
3. Peltier Cooling & Heating for uniform temp control. The runs should be viewable on an instrument attached screen.
4. Compatibility to Standard 96 x 0.2 ml PCR tubes or plates or 8 well strips.
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. Gradient capacity in Real-time along with programmable gradient feature
8. Temperature stability $<\pm 0.30$ degC from ambient to 95 degC or higher
9. Heating and cooling rate 1-3 degC / Sec
10. System should be capable for detection of at least 5 dyes or better including SYBRGREEN, TEXAS Red System should have fast 40 cycle protocol run time to complete the PCR cycle (with less than 120min)
11. The excitation source should be LED & Emission should be photodiode having more than 5 years of lifespan.
12. Should have 5 color & 5 channel with minimum four-position (or more) decoupled fluorescence excitation as well as emission filters for minimum 5 color multiplexing capability up to 4 or more dyes in a same tube without ROX reference dye.
13. The filters should at least have a fluorescence detection range of 450 – 700 nm or higher.
14. System should collect data for all 5 or more filters for all wells regardless of plate setup.
15. 10 logs of dynamic range or higher
16. System should work with different probe chemistries like SYBR Green, TaqMan, Molecular Beacon (FRET based) etc.
17. Should have option for protein thermal shift and FRET analysis
18. Sensitivity 10 fmol of fluorescein
19. Should have mode for Melt curve and differential melt curve analysis
20. Operations stand alone or through computer
21. Shall include the latest software required for data acquisition and offline analysis
22. The system should be able to do single-plate analysis, absolute and relative gene expression, SNP genotyping, presence/absence, high resolution melt, multiplate analysis gene expression studies, SNP genotyping studies.
23. The software should have option for changing Ct value threshold. This must be demonstrated during installation.
24. The software should have option for manual and automatic baseline threshold setting. This must be demonstrated during installation.
25. The software should have option for manual selection of cycles to be analyzed. This must be demonstrated during installation.
26. The software should have option for “no baseline subtraction” and “baseline subtracted curve fit”. This must be demonstrated during installation.
27. Cloud storage facility should be there

28. System should come with laptop with data analysis software (15" Laptop with 8GB RAM, Intel core i5 processor 2.6 GHZ 250 GB HDD, Windows 10 Professional SP1 64 bit)
29. Suitable on - line UPS (about 2 KVA) is required to support the instrument.
30. Free of charge training of students in equipment maintenance by the certified company engineers during the warranty period at UGC-DAE CSR Kolkata Centre.
31. The complete instrument and accessories excluding consumables should be under comprehensive warranty for period of 3 year from the date of installation.
32. The Service centre should be at Kolkata. The service personnel should respond within 24 hrs. and be on campus in 72 hrs. for repairs.
33. Dust cover, all wires, cords, connectors and standard accessories needed for proper functioning of the RT-PCR system's operation shall be included.

2.ELIGIBILITY CRITERIA:

(i) The bidder must have supplied the quoted model to 10 (Ten) Nos. State and Central Government of India Funded Research Institutes, Universities etc in India in last 5 years. User details with affiliation, telephone, e-mail to be provided.

(ii) Any samples provided during Pre-bid meeting are a part of the technical evaluation of the instrument which is quoted by the Vendor for the following specifications. The data submitted by the vendor has to reproduce the same during installation at UGC-DAE CSR, Kolkata Centre. In the absence of authenticated & satisfactory data for samples in the submitted tender, it may be considered as disqualified/cancelled. The vendor must demonstrate the claimed data, optical filters, and software capabilities *on site* after the installation.

(iii) The invitation for bids is open to Original Manufacture (OEM)/Authorized Dealers / Authorized Distributors / Subsidiary Indian Company of the OEM/Authorized Indian Representative on behalf of the Foreign Manufacturer or Principals of the tendered equipment. When a firm sends Offer for an item manufactured by some different company, the firm is also required to attach its quotation, the Manufacturer's Authorization Certificate. Indian Agent cannot represent two different foreign principles for the same item in the tender.

3.WARRANTY & AMC:

- The vendor should not quote any system that is already discontinued.
- The vendor should issue an undertaking for the availability of spare parts for at least TEN YEARS by the manufacturer.
- The equipment must be covered under full comprehensive warranty for on-site service of all the supplied components for the first three years, after successful installation, commissioning and training. The warranty period of an item shall commence from the date of installation of the item in good working condition and satisfactory installation /demonstration at the project site. No conditional warranty will be accepted.
- After completion of warranty period, an option of an additional annual non-comprehensive maintenance contract (AMC) for the entire system including all accessories and offline systems should be provided, and this should remain valid for at least 7 years from the completion of the warranty.
- Repair / replacement if required any during the warranty period, necessary customs clearance charges / customs duty charges, freight charges for sending back the repair material to supplier and import freight charges of replacement should be borne by the supplier.

4.GENERAL TERMS AND CONDITIONS:

- i. **Validity of Offer:** Quotations must be valid for a period of 180 days from the date of opening the bid prescribed by the Purchaser. The quoted specifications should be validated by means of authenticated documentary evidence in the tender document being submitted.

- ii. **Rate:** The rate quoted should be on foreign currency inclusive of supply, installation, testing, and commissioning of the equipment. In case of imports, the price should be quoted for CIF, Kolkata, and the payment terms are letter of credit (LC) and order shall be placed on OEM.
- iii. **Payment:** All payments will be made in favour of OEM on abroad against 100% by Irrevocable Letter of Credit (LC). 90% of the total value payable against presentation of Shipping Documents (after dispatch of the equipment) and balance 10% on delivery of items at site after satisfactory installation, commissioning and good working condition and submission of Performance Bank Guarantee (PBG) of 10% against the Total Order value. All bank charges outside India are for account of successful bidder. No advance payment in part or full shall be made.
- iv. **Contents of Offer:** The quotation should clearly indicate the packing, documentation, freight charges etc. Custom duty shall be paid by UGC-DAE CSR Kolkata Centre. In case of **CIF** shipments, kindly provide the shipment information at least 3(Three) days in advance before landing the shipment along with the documents i.e. invoice, packing list, forwarder Name, address, contact No. in India to save penalty/demurrage charges (imposed by Indian Customs). Otherwise, these charges shall be recovered from the supplier / Indian Representative. Offer should be accompanied with product catalogue, brochure and relevant pamphlets etc.
- v. **Delivery Terms:** Offers will be quoted on CIF Kolkata basis. Any charges that may arise due to extension of delivery schedule, etc. will have to be borne by the supplier/ Contractor.
- vi. **Pre-Bid Meeting:** The time and venue for pre-bid meeting will be on **17th February 2023 by 15.00 Hrs** at LB-8, Bidhannagar, Sector-III, Kolkata-700106. Interested bidders may attend for any queries and clarifications on the tender.
- vii. **Relocation of the System:** The manufacturer/supplier has to guarantee relocation of the system once the permanent building gets ready at Newtown, Kolkata within 2 years from installation of the equipment for further operation which will be conveyed in due course of time by the centre. The dismantling, packing, unpacking, reinstallation and commissioning of the system with test running and its conformity must be for free of cost. The entire relocation process will be executed by the successful bidders; consequences if any shall be borne by the successful bidders at its own risk and cost. UGC-DAE CSR Kolkata Centre shall not be responsible in any manner whatsoever pertaining to the consequence of relocation process.
- viii. **Installation & Commissioning:** The Supplier is required to train designated user personnel to enable them to effectively operate the entire system. The training shall be initially carried out during installation & commissioning for operating and maintaining the system. The specific training on applications shall also to be imparted by the supplier. The duration of such training needs to be finalized with the end user of the equipment. The supplier has to provide complete training at site for operation (including trouble shooting) of the instrument. If for reasons for which seller is responsible, the performance test is not executed and completed (failure of equipment for example) within the commissioning period, the seller shall perform the commissioning and the performance test at his own cost at a date at the earliest and the corresponding delay will be taken care of while calculating the warranty period. If faulty equipment has to be exchanged, the OEM is fully liable to do the needful at its own risk and cost. Installation should be carried out by the trained and experienced engineers from Successful Bidders or authorised Technical Expert duly nominated by OEM at the site for installation. The installation should be done immediately after the arrival of the equipment at a mutually convenient time.
- ix. **Pre-Inspection Formalities:** The successful bidder should submit the Pre-Inspection Report / Manufacturer's Test Certificate with data sheet to UGC-DAE CSR Kolkata Centre before dispatch of the material at no extra cost to the purchaser. (if required by UGC-DAE CSR Kolkata Centre). The equipment should be tested in factory with standard for all modes and while installing at CSR for specification testing. The successful bidder should inform UGC-DAE CSR Kolkata Centre once the system is checked and is ready for shipment.

- x. **Performance Bank Guarantee (PBG):** The successful bidder will provide “Performance Bank Guarantee” for an amount of 10% of the contract value in the form of valid Account payee Demand Draft / FDR from a scheduled bank favouring “UGC-DAE Consortium For Scientific Research” payable at Kolkata. Performance security should remain valid at least for a period of 1 year beyond the date of completion of all contractual obligations of supplier (Total Period of FDR/Demand Draft – 1 year). Thereafter the PBG will be returned, provided there is no defect in the equipment supplied.
- xi. **Warranty:** 3 Years from the date of installation, commissioning and acceptance by UGC-DAE CSR, Kolkata Centre against defects in materials or faulty workmanship, at no charge basis covering both part and labour.
- xii. **Insurance:** The Successful Bidder at their Risk and Cost shall arrange transit insurance up to CIF Kolkata.
- xiii. **Dispute Resolution:** Any disputes arising shall be referred within Jurisdiction of the Competent Court in the City of Kolkata only.
- xiv. Centre-Director, UGC-DAE CSR shall not be liable for any postal delay. Offer without meeting the technical and commercial criteria & requirements may bear the risk of not being considered. In that case the Price bid of the respective bidder shall not be opened. The decision of the Centre-Director shall be final in all the cases.
- xv. The Centre-Director, UGC-DAE CSR Kolkata Centre reserves the right at their sole, to accept any Offer for whole or part quantities or to reject any or all Offers without assigning any reason thereof. No claims for compensation or otherwise whatsoever shall be entertained. The decision of the Centre-Director shall be final in all the cases.
- xvi. **Submission of Offer:** All technical and commercial terms, conditions, declarations, documents should be enclosed in Techno-Commercial Bid in a separate sealed envelope and superscribed as **PART -A**. Only Rate shall be quoted in Financial Bid in separate sealed envelope superscribed as **PART- B**. Both the envelope i.e. PART-A and PART-B shall be Sealed within a cover envelope and Superscribed as ‘**Offer against NIT No. and Due Date.**’ The sealed Offer should be send by Post/Courier to The Centre-Director, UGC-DAE CSR, Kolkata Centre, LB-8, Bidhannagar, Sector-III, Kolkata-700106 latest by **27th February, 2023 BY 17.00 Hrs**. Tenders shall be opened on 28th February 2023 by 11.00 Hrs at LB-8, Bidhannagar, Sector-III, Kolkata-700106. Interest Bidders quoted may attend the venue along with letter of authorization from the OEM. For any query related regarding the Tender, Kindly Contact at : 033-23351866 or email at tkm1969@csr.res.in

Administrative Officer-I