



STIC

Sophisticated Test and Instrumentation Centre

(A Joint Venture of KSCSTE, Govt. of Kerala and Cochin University of Science and Technology)

Cochin University Campus, Kochi - 682 022, Kerala, India

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Ref. No. STIC/

THE DIRECTOR

NOTICE INVITING TENDER

Sealed Competitive quotations are invited from eligible bidders/suppliers for supplying the following items (under Buyback) which are proposed to be procured by STIC.

1. Simultaneous Thermogravimetric Analyzer and Differential Thermal Analyzer (TGA-DTA) and accessories
2. Differential Scanning Calorimeter (DSC) and accessories

The last date for submission of bid : 10.12.2019 at 3.00 p.m.

The details are available in our website www.sticindia.com


DIRECTOR, STIC



Director
Sophisticated Test & Instrumentation Centre (STIC)
Cochin University P. O., Kochi-682 022

**Tender Document for Competitive Bidding for the Supply,
Installation and Demonstration of Following Equipment
(Under Buy Back)**

Tender Reference No	STIC/SAIF/TGDTA-DSC/2019-20/1819
Item no	Brief Description of Stores/Goods/Equipment
01	Simultaneous Thermogravimetric analyzer and Differential thermal analyzer(TGA-DTA) and accessories
02	Differential Scanning Calorie meter (DSC)and accessories



**Sophisticated Test and Instrumentation Centre (STIC),
Cochin University Campus
Kochi,
Kerala, India 682022**

04th November 2019

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TENDER

Invitation for Bids (IFB) No &	STIC/SF/TGDTA-DSC/2019-20/1819 date 04.11.2019
Place of Supply.	Sophisticated Test and Instrumentation Centre (STIC), Cochin University campus Kalamassery Kochi - 682022, Kerala
Buyback-existing instrument details (Make/Model)	TGA-DTA – Make: Perkin Elmer, Model: Diamond DSC- Make: Metler Toledo, Model: 822 e
Pre-bid Meeting date	Nil
Bid Submission Start date	05 November 2019, 10.00 Hrs
Seek clarification Start Date	08 November 2019
Seek clarification end date	30 November 2019
Last Date of Submission of Bids	10 December 2019, 1500 Hrs
Date of Opening of Technical Bids	10 December, 2019, 15. 30 Hrs
Tender Fee & EMD	Tender Fee - Rs. 1500 +GST/- & EMD - Rs. 70,000/-
Place of Opening of Technical Bids	Office, STIC, Cochin University Campus, CUSAT P.O Kochi 682022, Kerala, India
Contact information	The Director, Sophisticated Test and Instrumentation, Centre (STIC), Cochin University campus, Kalamassery, Kochi-682022, Kerala, India Phone: 0484 -25756697
	For Technical Enquires Email: saif@sticindia.com

Critical Dates

		DD/	MM/	YYYY	Hrs	Mins
1	Publishing Date	04	11	2019	15	00
2	Document Sale Start Date	05	11	2019	10	00
3	Document Sale End Date	10	12	2019	15	00
4	Seek Clarification Start Date	08	11	2019	10	00
5	Seek Clarification end Date	30	11	2019	15	00
6	Pre bid meeting date	nil				
6	Bid Submission Start Date	05	11	2019	10	00
7	Bid Submission End Date	10	12	2019	15	00
8	Bid Opening Date	10	12	2019	15	30

SECTION-I: DEFINITIONS

In this document, the following terms shall be interpreted as indicated:

1. STIC means Sophisticated Test and Instrumentation Centre, Cochin University P.O Kochi (Cochin -Kochi – Ernakulam District)
2. "The Tenderer or the Bidder" means the individual or firm submitting a tender or bid for purchase of the Goods and Services by STIC against a tender notice.
3. "The Purchaser(s) or Client(s)" means the organization purchasing the Goods / services (i.e., STIC)
4. "The Supplier" or "The Vendor" means the individual or firm supplying the Goods and Services under this Contract.
5. "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form Signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
6. "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
7. "The Goods" means all the hardware / equipment, machinery and /or other materials which the Supplier is required to supply to the Purchaser under the Contract;
8. "Services" means services ancillary to the supply of the Goods, such as transportation and insurance and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract;
9. "ITB" means the Instructions to bidders contained in this section.
10. "AITBs" means the Additional Instructions to bidders
11. "Day" means a working day.

Notice Inviting Tender (NIT)

Sophisticated Test and Instrumentation Center(STIC)
Cochin University Campus, Kochi, Pin 682 022, Kerala, India.
www.sticindia.com

NOTICE INVITING TENDER FOR

Supply and Installation of (a) Simultaneous Thermo gravimetric Analyzer and Differential Thermal analyzer system and (b) standalone Differential Scanning Calorie meter

STIC, Cochin University campus, CUSAT P.O Kochi, Kerala India invites tenders from eligible Indian/Foreign Original Equipment Manufacturers or their authorized distributors, dealers or Indian Agent for supply, installation and commissioning of (a) Simultaneous Thermo gravimetric Analyzer and Differential Thermal analyzer system and (b) standalone Differential Scanning Calorie meter.

Tender Reference No		STIC/SAIF/TGDTA-DSC/2019-20/1819
Item no	Brief Description of Stores/Goods/Equipment	
01	Simultaneous Thermogravimetric analyzer and Differential thermal analyzer(TGA-DTA) and accessories	
02	Differential Scanning Calorie meter (DSC)and accessories	

Tender Documents may be downloaded from www.sticindia.com. Bidders are advised to submit duly filled bids as per the following schedule given along with a Tender document fee of Rs. 1,500/- GST extra (non refundable) by DD in favour of The Director STIC payable at Ernakulam. The tender fee shall be deposited in a cover, indicating over the cover that the tender fee and put in the technical bid cover.

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- 3) Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 4) Two bid system will be adopted for this tender;
In this system, tenderer must submit their offer in two separate sealed envelopes as mentioned below:

Envelope No. 1: Called "Technical Bid " (to be submitted in duplicate): and

Envelope No2: Called “ Commercial Bid”

4.1 Envelope No. 1: "Technical Bid" shall contain

- i. Tender fee as DD in favour of The Director STIC, Payable at Ernakulam for Rs 1500/- (Rupees Fifteen hundred only) and EMD of Rs. 70,000/- (Rupees Seventy thousand only) or necessary exemption certificate registered with DGS&D or NSIC. The EMD will be returned to unsuccessful Tenderer only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.
- ii. Authorization letter with proper seal and signature of the authorized person (with name, designation, email id & contact no.), as per the format attached at Annexure – B.
- iii. Certificate of Incorporation, Partnership Deed/ Memorandum and Articles of Association/ any other equivalent document showing date and place of incorporation, as applicable.
- iv. A copy of the commercial bid without prices (prices blocked) and copy of commercial terms & conditions (in details) as included in the commercial bid. STIC Kochi reserves the right to reject the bid in case of discrepancy observed in the un-priced commercial bid and the actual commercial bid.

- v. A copy of audited balance sheet or the certificate from a Chartered Accountant for the financial year 2018-19, 2017-18 and 2016-17 indicating the annual sales turnover of the bidder. Bidder firm should not have suffered any financial loss for more than one year during the last three years, ending on 'The Relevant Date'.
- vi. The detailed technical specification, make, model, part number & compliance of each item offered supported by the printed catalogue/ leaflet published by the Principal Manufacturer and Annexure II.
- vii. Undertaking to the effect that a Performance Guarantee of 10% the order value will be submitted in case STIC Kochi decides to place the Purchase Order.
- viii. Undertaking to the effect that the terms and conditions, clauses etc. stipulated in this tender are acceptable.
- ix. Other documents necessary in support of eligibility criteria (as per Section-III – Eligibility and Qualification Criteria), product catalogues, brochures etc.

STIC Kochi reserves the right to reject the bid if any of the above listed document/s is not submitted.

4.2. Envelope No. 2 : Called "Commercial Bid " shall contain:

- i. Duly filled prescribed Bid Form and Price Schedule (Annexure III) with proper seal and signature of authorized person on each paper of tender
- ii. Item-wise unit cost as well as total cost for total requirement should be quoted in clean and neat manner in figure as well as words
- iii. Price bid should contain price details as per Annexure III.

Both the technical and commercial envelopes should be sealed separately and clearly indicate "**Envelope no. 1 - Technical Bid**" and "**Envelope no. 2 - Commercial Bid**". Both the sealed envelopes should be kept in a third larger envelope and addressed to the:

The Director
Sophisticated Test and Instrumentation Centre,
Cochin University P.O
Kochi Ernakulam District Kerala 682022
Tel: + 91 - 484 - 2575908, 2576697, 2576698

Please write the tender reference number on each envelope and seal all the envelopes.

If it is found that the Tenderer does not submit any of the above documents or if it is found that the price quoted is submitted with technical bid, the tender will be rejected.

Date of Pre bid conference : **NIL**

Last Date for Receipt of Tender hrs) : **10th December, 2019 (Upto 15.00**

Date of Opening of Technical Bids of Tender hrs) : **10th December, 2019 (at 15.30**

The envelope no. 1 containing Technical Bid will be opened at **15.30 hrs on 10th December, 2019 at STIC, Kochi** in the presence of the nominated committee of STIC Kochi and in the presence of the participant bidders or their authorized representatives. Any change in this will be duly communicated to the bidders.

General terms

1. The Bidder shall bear all the costs associated with the preparation and submission of its bid, and STIC will in no case be responsible or liable for these costs, regardless of conduct or outcome of bidding process.

2. The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid. Bidder should submit a copy of NIT duly signed and sealed on each page.

3. Clarification on Bidding Documents

A prospective Bidder requiring any clarification of the bidding documents may contact over email saif@sticindia.com. STIC will respond to any request for the clarification of any bidding documents which it receives over email before the end of seek clarification date and time of bids.

4. Language of Bid

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and STIC shall be in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an appropriate translation of the relevant document in the English language and in such a case, for purpose of interpretation of the Bid, the English translation shall govern.

5. Bid Form

The Bidder shall complete the Bid Form (Annexure III) and the appropriate Price Schedule furnished in the documents indicating the goods to be supplied and services to

be offered, a brief description of the goods and services, their country of origin, quantity and price.

6. Earnest Money Deposit (EMD)

6.1 E.M.D or Bid Security for each item in Indian Rupees as per the Table under clause: 6.1.4 should be deposited by the Tenderer, in any one of the following forms, along with the Technical bid:-

- 6.1.1 Cash Deposit Receipt duly endorsed in favour of STIC or Pay Order or Demand Draft payable at Ernakulam in favour of The Director STIC
 - 6.1.2 Bank Guarantee from a Nationalised Bank in favour of STIC - irrevocable and operative till the expiry of sixty days after the validity of offer.
 - 6.1.3 Fixed Deposit Receipt issued by Nationalised banks endorsed in favour of STIC Kochi.
 - 6.1.4 EMD in case of a Foreign Supplier should be furnished by its Indian agent in any of the forms of clauses 6.1.1 to 6.1.3. In case the Foreign Supplier does not have an Indian agent, EMD may be paid either through Bank Guarantee issued by the foreign branches of Indian nationalized bank or Bank Draft in US\$ for equivalent amount in favour of STIC payable at Ernakulam as the case may be.
- 6.2 The EMD shall be put in a separate envelope superscribing tender reference no. as such on it and put in the envelope containing technical bid In the absence of EMD the Bid will not be accepted.
- 6.3 The Earnest Money Deposit will be returned along with necessary endorsement for payment to the bidder (without interest) whose offers are not acceptable to STIC after placing the final order.

SECTION-I: INSTRUCTIONS TO BIDDERS (ITB)

1. Locations for the Supply and Installation & Warranty Services

The entire products as described in Schedule of Requirements at **Section - V** must be supplied, installed & supported at Sophisticated Test and Instrumentation Centre Kochi.

- 2.** All the items covered in the Schedule of Requirements at Section – V must be supplied within **12-15 weeks** from the date of placement of work/ purchase order. Supplier should complete the installation within two Weeks from the date of supply.

3. Amendment to Bidding Documents

3.1 At any time prior to the deadline for submission of bids, STIC Kochi may, for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.

3.2 The amendments to the tender documents, if any, will be notified by release of Corrigendum Notice on institute website against this tender. The amendments/ modifications will be binding on the bidders.

3.3 STIC Kochi at its discretion may extend the deadline for the submission of bids if it thinks necessary to do so or if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into consideration the amendments while preparing their bids.

4. Preparation of Bids

Bidder should avoid, as far as possible, corrections, overwriting, erasures or postscripts in the bid documents. In case however, any corrections, overwriting, erasures or postscripts have to be made in the bids, they should be supported by dated signatures of the same authorized person signing the bid documents. However, bidder shall not be entitled to amend/ add/ delete/ correct the clauses mentioned in the entire tender document.

5. Forfeiture of EMD

- 5.1 In case of the bidder whose offer is accepted, the EMD will be returned on submission of Security Deposit. However, if the return of EMD is delayed for any reason, no interest/ penalty shall be payable to the bidder.
- 5.2 The successful bidder, on award of contract/ order, must send the contract/ order acceptance in writing, within 15 days of award of contract/ order, failing which the EMD will be forfeited and the order will be cancelled.
- 5.3 If the bidder withdraws the bid during the period of bid validity specified in the tender.

6. Period of validity of bids

- 6.1 Bids shall be valid for minimum 120 days from the date of submission. A bid valid for a shorter period shall stand rejected.
- 6.2 STIC Kochi may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD/ BG. A bidder agreeing to the request for extension will not be permitted to modify his bid.

7. Deadline for Submission of Bids

- 7.1 The Bid documents shall be neatly arranged. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. *The conditional bid will be summarily rejected.*
- 7.2 Bids must be received by STIC Kochi before the due date and time at the address specified in the tender document.
- 7.3 STIC Kochi may extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified on its website.
- 7.4 STIC Kochi shall not be responsible and liable for **the delay in receiving the bid** for whatsoever reason.

8. Bid Opening & Evaluation of Bids

- 8.1 The technical bids will be evaluated in two steps.

- a. The bids will be examined based on eligibility criteria stipulated at Section II Para 3 to shortlist the eligible bidders.
 - b. The technical bids of only the short listed eligible bidders shall be evaluated based on technical specifications stipulated at Section – V
- 8.2 The bidders whose technical bid is found to meet both the requirements as specified above will qualify for opening of the commercial bid.
- 8.3 The duly constituted Tender Evaluation Committee (TEC) shall evaluate the bids. The TEC shall be empowered to take appropriate decisions on minor deviations, if any.
- 8.4 The bidder's name, bid prices, discounts and such other details considered as appropriate by STIC Kochi, will be announced at the time of opening of the commercial bids.

9. Comparison of Bids

- 9.1 Only the short-listed bids from the technical evaluation shall be considered for commercial comparison.
- 9.2 The bids shall be evaluated on the basis of price quoted for Basic Instrument Setup described in section V.
- 9.3 The bids shall be evaluated on the basis of the total prices including all taxes and duties.
- 9.4 For the purpose of comparison of prices on equal basis, the prices quoted in foreign currency (if any) by bidders shall be converted to equivalent Indian Rupees. The exchange rate as on the date of opening of commercial bids shall be considered for the purpose of comparison.

10. Purchase Order

- 10.1 STIC Kochi shall issue purchase order to the eligible bidder whose technical bid has been accepted and determined as the lowest evaluated commercial bid based on the Grand Total calculated of all items + taxes etc. of the Commercial Bids. However, STIC Kochi reserves the right and has sole discretion to reject the lowest evaluated bid.

10.2 If more than one bidder happens to quote the same lowest price, STIC Kochi reserves the right to decide the criteria and further process for awarding the contract, decision of STIC Kochi shall be final for awarding the contract.

11. End User Certificate (if applicable)

STIC Kochi can provide end user certificate in advance in order to save on time/delivery period. However, this does not mean that the order shall be placed on the same bidder. The bidder may submit the format of end user certificate at the earliest, preferably along with the technical bid.

12. Purchaser's Right to amend / cancel

12.1 STIC Kochi reserves the right to amend the eligibility criteria, commercial terms & conditions, Scope of Supply, technical specifications etc.

12.2 STIC Kochi reserves the right to cancel the entire tender without assigning any reasons thereof.

12.3 STIC Kochi reserves right to place part orders.

13. Corrupt or Fraudulent Practices

13.1 It is expected that the bidders who wish to bid for this project have highest standards of ethics.

13.2 STIC Kochi will reject bid if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract.

13.3 STIC Kochi may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the award / execution of contract.

14. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity/ dispute in the interpretation of any of the clauses in this Tender Document, the interpretation of the clauses by Director, STIC Kochi shall be final and binding on all parties.

*****(END OF SECTION I)*****

SECTION-II: ADDITIONAL INSTRUCTIONS TO BIDDERS (AITBs)

1. Delivery schedule: The items should be supplied and installed within 12-15 weeks.
2. Installation and commissioning: Equipment should be installed and commissioned at STIC Kochi.
3. Pre-installation requirements: Pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands STIC Kochi, campus, the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words, the BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.
4. Warranty: standard warranty for all parts of the entire system including accessories supplied with the instruments from the date of successful installation and commissioning. If the system breakdowns during the warranty period, the warranty period will be extended for the full breakdown period after the expiry of initial warranty.
5. Annual Maintenance Contract for 3 years after the warranty period should be Quoted
6. The service personnel should respond within 24 hrs and be on campus in 72 hrs for repairs.
7. On-site training must be provided by trained engineer at free of cost for minimum 3 days.
8. Instrument must have provision for on-line diagnosis of faults.
9. The supplier shall provide uninterrupted supply of spares and accessories for a minimum period of 10 years. All the features (Furnace, Thermocouples etc) should be available globally.
10. The bidder should submit copies of acknowledgment of Income Tax return for the last three financial years.
11. Agency commission not applicable

12. Authorization certificate from all the original equipment manufacturers(OEM) stating their support for the vendor during the equipment warranty period.
13. The Competent Authority reserves the right to reject any or all bids, amend/withdraw any terms and conditions in the Tender document or to cancel the Tender at any stage without assigning any reason.

***** (END OF SECTION II) *****

SECTION-III: ELIGIBILITY AND QUALIFICATION CRITERIA

1. The bidder must be OEM or representative of the foreign concern in India
 - i. In a tender, either the Indian agent on behalf of the principle/ OEM itself can bid but both cannot bid simultaneously for the same item/ product in the same tender.
 - ii. If an agent submits bid on behalf of the principle/OEM, the same agent shall not submit a bid on behalf of another principle/ OEM in the same tender for the same item/ product. There must be an authorization letter for this tender reference issued by principle/ OEM in firm of the agent.
2. The bidder must have supplied similar system/ setup in at least 5 numbers altogether in Indian Institutes of Technology (IITs), IISc, CSIR labs, National institutes and central universities. Complete list along with the contact details of the customers must be provided. Feedback from the users may be sought by the STIC Kochi, if felt necessary.
3. The bidder must have a minimum annual average turnover of Rs. 15 crores during the last three financial years. All bidders should submit copies of audited Statement of Accounts for those three years along with the Tender document.
4. The bidder must submit *certification from the relevant agency(ies)* for using the instrument in India.
5. Committee also reserves the right to modify the stipulated eligibility criteria at any time during the tenure of procurement.
6. A certificate (Affidavit) to be signed by MD / CEO of the company that they haven't been debarred or blacklisted for any services, supplies or products dealing in, by any organizations or educational Institute/ University or state/ central government and no criminal case/legal proceeding or industrial dispute is pending or contemplated against them.

If in the view of bidder, any exemption/ relaxation is applicable to them from any of the eligibility requirements, under any Rules/ process/ Guidelines/ Directives of Government of India, bidder may submit their claim for the applicable exemption/ relaxation, quoting the valid Rule/ process/ Guidelines/ Directives. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of his claim. The applicability of exemptions and /or validity of

documents submitted by the bidders will be evaluated by the bid evaluation committee during technical evaluation of bids.

Note: The bidders should provide sufficient documentary evidence to support the eligibility Criteria. STIC Kochi reserves the right to reject any bid not fulfilling the eligibility criteria.

***** (END OF SECTION III) *****

SECTION-IV: GENERAL CONDITIONS OF CONTRACT
(GCC)

1. Prices

- 1.1 Prices inclusive of all taxes and duties.
- 1.2 For imported items, price may be quoted on both FOB and CIF Cochin basis.
- 1.3 Tenderer may bid on behalf of their principals abroad. In such case, the bidders must provide the details viz. name & address on whom the Supply Order/ Letter of Credit is to be placed/ established with bank/ account details etc. in their commercial bid. In such case the EMD and Performance Bank Guarantee must be provided by the bidder in INR.
- 1.4 If STIC Kochi places import order in foreign currency directly on supplier abroad, the customs duty payable, if any after availing exemption under customs notification no. 51/96 (amended 24/2007) will be reimbursed at actual on submission of documentary proofs/ BoE etc. The Customs Duty Exemption certificate (CDE) will be issued in the name of supplier abroad and only if the order is placed in foreign currency.
- 1.5 The statutory taxes and duties applicable at the time of supply of material shall be applicable and will be reimbursed on submission of requisite documents/ proofs as the relevant Government Notification.
- 1.6 In case due to any error/ oversight, the GST/Customs Duty quoted by the bidder is less than the actual rate as per tariff, the bidder will not be permitted to rectify the error/oversight. The orders/ contract will be placed for the total amount including the (lower) rate/s quoted by the bidder, with reduced basic amount to the extent of difference in tax/duty amount, so that the total amount (basic + actual rate as per tariff), remains same(quoted basic + quoted rate). The difference amount payable, if any, between the quoted rate and actual rate as per tariff (without exemption) shall be borne by the bidder. The exemption certificate, if applicable, will be issued for the reduced basic amount only.
- 1.7 STIC Kochi is not eligible for concessional rate of GST i.e. @ 5% under the Notification NO. 45/2017, Central Tax (Rate), State Tax (Rate) and/or 47/2017, Integrated Tax (Rate), dated 14.11.2017 subject to applicability of the cited clause of GST on items based on directives of DSIR. STIC Kochi is eligible

for concessional rate of custom duty based on directives of DSIR. Necessary certificate will be issued on demand.

2. Software Licenses

The software licenses, if any, shall be required in the name of user. The licenses shall contain paper licenses and at least one set of media (CDs) – wherever applicable. All software licenses quoted should be of perpetual.

3. Performance Bank Guarantee (PBG)

The successful bidder has to submit performance security for an amount of 10% of the order value in the form of BG from any commercial bank within 14 (Fourteen) days from the date of award of contract and should be valid for 60 days beyond the date of completion of all contractual obligation including warranty obligation. And it will be returned after 60 days beyond warranty period.

4. Completeness Responsibility

Notwithstanding the scope of work, engineering, supply and services stated in bid document, any equipment or material, engineering or technical services which might not be even specifically mentioned under the scope of supply of the bidder and which are not expressly excluded there from but which – in view of the bidder - are necessary for the performance of the equipment in accordance with the specifications are treated to be included in the bid and has to be performed by bidder. The items which are over & above the scope of supply specified in the Schedule of Requirements may be marked as “Optional Items”.

5. Warranty

All the equipment's and components supplied must have standard warranty covering all parts & labour starting from the date after the successful installation, during the warranty period, Bidder will have to undertake comprehensive maintenance of the entire hardware components, equipment, support and accessories supplied by the Bidder at the place of installation of the equipment. The Supplier warrants that all the Goods are new, unused, and of the most recent or current

models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. The supplier further warrants that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the supplier. The warranty should be comprehensive on site, repair/replacement basis free of cost. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. Goods requiring warranty replacements must be replaced on free of cost basis. Collecting of faulty Hardware from onsite and provisioning the replacement of Hardware under warranty at onsite shall be the responsibility of the supplier. STIC Kochi reserves the right to invoke the Performance Bank Guarantee submitted by bidder, in case a) Supplied equipment & Software components fail to achieve the performance as stipulated in this document and / or b) The bidder fails to provide the warranty and other services in scheduled time frame, as stipulated in this document, penalty clauses mentioned under point 9 of this tender shall be applicable.

6. Training:

Supplier need to provide Free of Charge onsite training on applications and maintenance by the certified company engineers for 3 days should be provided to the nominated person(s) of STIC Kochi at their cost, if needed. STIC Kochi will not bear any training or living expenditure in this regard. The Supplier should arrange for regular visit to the STIC Kochi campus by its technical team and assist in maintenance of the item/equipment within warranty period.

7. Payments

- 7.1. For foreign currency payments: 90% of the payment will be made through irrevocable Letter of Credit (LC) at site. 10% on successful installation, commissioning and acceptance by STIC Kochi through **SWIFT**, any loss due to fluctuation in foreign exchange rates will be at beneficiary account. The LC operating charges inside India will be to STIC Kochi account and those outside

India will be to beneficiary account. The LC confirmation charges & LC amendment charges, if requested/ required, will be to beneficiary account.

7.2. For INR Payment by NEFT – 90% against delivery and submission of Performance bank Guarantee and 10% against Installation, commissioning & acceptance by STIC Kochi within 30 Days.

7.3. Payments towards AMC shall be paid at the end of each quarter.

8. Ship to

The Director,

Sophisticated test and Instrumentation Centre

Cochin University campus, Kalamassery, Kochi 682022, Kerala, INDIA

9. Liquidated Damage

STIC Kochi reserves the right to levy penalty @ of 1 % of order value per week of delay in supply and /or installation, beyond the schedule as mentioned in this tender document subject to maximum of 10% of the order value. STIC Kochi reserves the right to cancel the order in case the delay is more than 06 weeks. The delay in delivery and/or installation not attributed to supplier viz. delay in site preparation, delay in submission of required documents etc. and the conditions arising out of Force Majeure will not be considered for the purpose of calculating penalties.

10. Force Majeure

STIC Kochi may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the contract is the result of a Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states / state agencies, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises or any other act beyond control of the bidder.

11. Arbitration

All disputes/claims of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc. under this Contract, shall be referred by either party (STIC Kochi or the bidder) after issuance of 30 days' notice in writing to the other party clearly mentioning the nature of dispute to the Sole Arbitrator appointed by STIC Kochi. The venue for arbitration shall be specified in the purchase order/agreement. The arbitration proceedings shall be conducting in English and as per the provisions of Indian Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

12. Jurisdiction

The disputes, legal matters, court matters, if any shall be subject to Ernakulum jurisdiction only.

13. Risk and Ownership

Upon 90% of payment, STIC Kochi shall become owners of goods ordered but all risks, responsibilities; liabilities thereof in all goods shall remain with selected bidder till delivery of all goods to all end users. Part deliveries shall not be treated as deliveries. Only full deliveries of all items ordered will be considered as delivery.

14. Indemnity

Selected bidder shall save, indemnify and hold harmless STIC Kochi from any third-party Govt. Claims, losses penalties, if any, arising in connection with this Contract.

15. Assignment

Selected bidder/ Party shall not assign, delegate or otherwise deal with any of its rights or obligation under this Contract without prior written permission of STIC Kochi

16. Severability

If any provision of this Contract is determined to be invalid or unenforceable, it will be deemed to be modified to the minimum extent necessary to be valid and enforceable. If it cannot be so modified, it will be deleted and the deletion will not affect the validity or enforceability of any other provision.

***** (END OF SECTION IV) *****

SECTION – V: SCHEDULE OF REQUIREMENTS

Technical Specifications for TGA-DTA and standalone DSC

1. Technical specifications for simultaneous Thermogravimetry/ Differential thermal analysis system (TGA-DTA)

Computer controlled Simultaneous TGA-DTA system for research applications based on high sensitivity horizontal/vertical balance design capable of measuring weight loss over temperature range from ambient to 1500°C.

The unit should have the following features & specifications with necessary data analysis & instrument control software.

The thermo balance should be able to measure the sample weight and temperature & reference temperature independently and also should have high-resolution capability for the separation of closely occurring events.

The furnace & furnace tubing should be an integrated unit to avoid any thermal lag and a sturdy sample & reference thermocouple unit with support mechanism

Detailed Technical Specification: TGA-DTA -Table 1

Sl no	System	Requirement
1.	Temperature	
1a	Temperature Range	Room Temperature to 1500°C or better
1b	Heating Rate	0.1°C to 100°C/min or better
1c.	Forced cooling	Air(fan)/water cooling , external air compressor not permitted
1d.	Thermocouple	Pt-Pt/Rh or similar
1e.	Temperature Accuracy	± 0.5°C or better
1f.	Temperature resolution	0.03 °C or better
1g.	Temperature precision	± 0.3°C or better
1h.	Furnace material	Specify the material
2.	Balance	
2a.	Design	Horizontal/vertical differential symmetric balance
2b.	Balance Sensitivity	0.1 µg
2c.	Balance resolution	0.1 µg over the entire range
2d.	Weighing precision	0.02%
2e.	Balance drift	<20 µg over the entire range under isothermal conditions

2f.	Weighing capacity	200 mg or higher
3.	Differential Thermal/DSC	
3a.	DTA Measuring range	± 1000 µV or better
3b.	Calorimetric(enthalpy) accuracy/reproducibility	5 % over the entire range or better
4.	Sample	
4a.	Sample Atmosphere	Static or Dynamic, Gaseous Atmosphere-Inert gases (nitrogen and argon), CO ₂ , Air, etc. over full temperature range, with automatic gas flow controller for minimum two gases with easy switching in between.
4b.	Sample Volume	200 µl or more
4c.	Sample Pan and preparation accessories	Platinum and Alumina pans, Tweezers and micro spatula. Sample press if required
5.	Software	
5a.	User Control	Automated software with windows 10 based operating system
5b.	Software	The system should have the suitable software with user interactive data analysis tools for analyzing the captured data and automatic report generation. Windows based operating system for TGA, DTA/DSC, Kinetics and ASCII data conversion, peak separation tools etc. Operating software should also be able to control mass flow controllers. Software updation up to 10 years free of cost and required agreement for this should be provided
Accessories		
6.	Mass Flow Controller	Software controlled and should be calibrated and must perform automated gas switching operation
7.	Forced cooling accessory	Compact chiller for temperature control or cooling suitable for the system. If chiller is opted preferable make are Julabo/poly science/Thermo scientific/Huber etc. External Air compressors not allowed for cooling. If a forced cooling accessory is not provided along with the system please explain in detail the reasons and the time required for cooling from 1500 deg C to 50 degC
8.	Calibration Standards	Four temperature calibration materials

		<p>Certified standards for at least 3 temperature points in the entire temperature range.1) Up to 500 Deg C, 2) between 500 and 1000 Deg C. 3) above 1000DegC</p> <p>Certified weight or internal calibration set up for calibrating weight.</p>
9.	System Upgradation	<p>Option for coupling with FTIR/MS for evolved gas analysis (EGA)</p> <p>Details of FTIR/MS (make/model) with which the quoted TG/DTA model is compatible must also be mentioned separately.</p>
10.	Installation	Should be installed and tested free of cost at STIC
11.	Training	<p>Onsite training for technical and scientific staff of STIC</p> <p>Training should include operation, software applications, analysis, handling and maintenance of system.</p>
12.	Warranty	<p>Standard warranty 2 years for the entire system.</p> <p>Quote as optional item 1) 1 year after standard warranty. 2) cost of 3 year AMC after standard warranty. AMC agreement should also be signed along with contract.</p>
13.	Computer, Printer	Branded PC Compatible with instrument operating software, Original Windows latest OS, Colour laser printer
14.	Additional sample Pan and sensors	10 platinum pans and 100 alumina pans, One TG-DTA Sensor (Thermocouple)
15.	Auto sampler	Minimum 15 positions quote as Optional item
16.	EGA	Mention the FTIR and MS models to which the instrument can be coupled. Provide the cost of connectors, software requirements and other accessories as optional item.
17.	Manuals	Necessary instrument manuals for operation, diagnosis trouble shooting and maintenance in English language should be included
18.	Gas distribution system	Centralized purge gas distribution system for both TGA-DTA and DSC instruments (Gas manifold). with suitable regulators and connectors . No gas cylinders are required.

2. Technical specifications for Differential Scanning Calorimeter (DSC)

Differential Scanning Calorie meter for Thermal analysis of various kinds of materials such as organic and inorganic compounds, polymers, drugs, explosives etc. to find out transition temperatures, enthalpy of phase transition, glass transitions, heat capacity, melting points. crystallization temperature, degree of cure, heat of fusion of reaction, reaction kinetics, reversing and non-reversing component of heat flow, specific heat capacity, oxidative stability purity studies etc.

Detailed Technical Specification: DSC- Table 2

Sl. No	System	Requirement
1.	DSC Type	Heat Flux or Power Compensation type DSC
2.	Temperature	
2a.	Temperature Range	-150 ⁰ C to 700 ⁰ C or better
2b.	Heating rate	0.02 to 200 ⁰ C/min or better
2c.	Cooling rate	0.02 to 50 ⁰ C /min
2d.	Temperature accuracy	±0.1 ⁰ C or better
2e.	Temperature Precision	±0.01 ⁰ C or better
2f.	Temperature Calibration	Up to 3 points including low temperature
2g.	Temperature Repeatability	±0.1 ⁰ C
2h.	Thermocouples	Platinum-Rhodium/ Chromel/ Alumel/ Platinum or similar type.
2i.	Furnace	Platinum /Silver alloy block
3.	Calorimetry	
3a.	Enthalpy Range	Up to ± 400 mW or better
3b.	Enthalpy repeatability	±0.4% or better
3c.	Enthalpy Precision	±0.1% or better
3d.	Calorimetric sensitivity	0.25µW or better
4	Baseline	
4a.	Base line accuracy	±75 µ W or better up to 500 ⁰ C
4b.	Base line reproducibility	<30 µW or better
4c.	Baseline drift	<10 µW or better (-100 to 500 degC)
4d.	Signal Noise ratio (Max. peak to peak)	< 1µW
5.	Sample	
5a.	Sample pan	Aluminum

5b.	Pan volume	30/40 µl and 100 µl
5d.	Atmosphere	The system should be able to work under different atmospheres: inert, oxidizing, reducing. E.g. helium, argon, nitrogen, oxygen, carbon dioxide, air etc.
6	Accessories	
6a.	Gas Flow and controller	MFC should be software controlled. Up to 200ml/min or better Built-in trio mode digital mass flow controller, built in switching accessory
6b.	Cooling System	<ol style="list-style-type: none"> 1. Fully automated /computer controlled LN2 Cooling will be considered as the basic system. 2. Optional item- cooling accessory: (a) fully automated or computer controlled Intra Cooler up to -80 deg C (b) fully automated or computer controlled Intra Cooler up to -40 deg C 3. Mention whether both above said accessories can be connected without disconnecting one mode
6c.	LN2 Dewar	50 L Dewar connectors and controller suitable for the system.
6c.	Sample press or crimping accessory	Suitable sample press
6d.	Calibration	The system should be supplied with traceable standards, Indium Tin and suitable material for low temperature and enthalpy calibration.
7.	Software	
7a.	Modulated heating rate	<p>Sinusoidal heating profile, Frequency & Amplitude should be programmable and direct measurement of specific heat capacity.</p> <p>Software updation up to 10 years free of cost and required agreement for this should be provided</p>

7b.	Work Station and Software	<p>The system should have the suitable software with user interactive data analysis tools for analyzing the captured data and automatic report generation. It should facilitate storage of both raw DSC data as well as de-convoluted data in the form of standard DSC curves. It should have the facility of choosing different baseline e.g line, tangential, horizontal, integral tangential, polygon line etc. for correct evaluation/integration of peaks. Option for baseline correction, data smoothing, plot expansion, curve overlay etc. should be available. The software shall have the provision to evaluate peak temp. onset temperature, glass transition temp, .melting temp, % crystallinity, specific heat, purity, crystallization temp, curing temp., activation energy, kinetic studies, heat enthalpy, second and higher derivative blank curve subtraction, normalization, Z-scaling with respect to time, temperature, choice of different base lines for interpretation etc.</p> <p>Software for kinetics studies for single and multiple steps through non linear regression analysis, measuring the specific heat capacity and possible correction software for correcting instrumental errors.</p> <p>Software updation up to 10 years free of cost and required agreement for this should be provided</p> <p>Operating software should have control mass flow controllers and should have capability to collect data during cooling for cooling curve analysis.</p>
8	Manual	One set of manual and service manual (both hard and soft copy in English) should be supplied with the equipment.
9	Pre installation Requirements	Complete technical details of pre-installation requirements should be furnished along with the technical bid. Vendors may conduct the site survey before installation at no additional cost.
10	Installation	Should be installed free of cost at STIC
11	Training	Onsite training for technical and scientific staff of STIC Training should include operation, software applications, analysis, handling and maintenance of system at least for 3 days
12	Warranty	Standard warranty 2 years for the entire system. Quote as optional item 1) 1-year warranty after standard warranty. 2) cost of 3 year AMC after standard warranty.

		AMC agreement should also be signed along with contract.
13	Computer	Branded PC Compatible with instrument operating software, OS should be latest version of windows.
14	Gas distribution system	Centralized purge gas distribution system (Gas Manifold) for both TGA-DTA and DSC instruments. with suitable regulators and connectors. No gas cylinders are required.
15	Aluminum sample pan with lid	2000 nos

Important points

- i. Laboratory floor space, electrical power requirements, room temperature/humidity requirements etc. should be mentioned appropriately.
- ii. Items from serial no 13 to 18 in **table 1 (TGA-DTA)** will not be considered for selecting L1 (L1-lowest tender)
- iii. Items from serial no 13 to 15 in **table 2 (DSC)** will not be considered for selecting L1 (L1-lowest tender)
- iv. **The bidder should quote for both TG-DTA and DSC.** Price for two instruments individual as well as for instruments together should be quoted.
- v. STIC Kochi reserves the right to proceed with selection of two instruments together of same make or two instruments individually of different makes.
- vi. Standard warranty is for the entire system and **should be inclusive of furnace, thermocouples and sensors etc.**
- vii. **Standard Laboratory table module of total length 6m.** should be quoted as optional item

Note: Bidder has to submit all the relevant documents to ensure that the technical specifications are complied.

Note: For Technical Queries contact: saif@sticindia.com

(END OF SECTION V)

SECTION – VI PRICE BID

Schedule of price bid in the form given in Annexure III

1. Bidder shall quote the actual GST rate applicable for the items/Setup.
2. Any element of cost, taxes, duties levies etc. not specifically indicated in the price bid shall not be paid by the purchaser. If GST amount is not quoted in the Financial Bid, the total cost will be treated as inclusive of GST. No further communication will be entertained later or else the EMD will be forfeited.
3. The tender shall remain valid for acceptance for 180 days, from the date of tender opening.

OTHER CONDITIONS FOR PRICE BIDS

1. No unilateral revision in price will be admissible.
2. INCOTERMS (in case of imported item) should be clearly mentioned on the bid
3. Rates should be quoted in the accounting units (A/U). Rates must be quoted clearly on free delivery basis at STIC Kochi and total value is also indicated in words.
4. Any optional indicated in techno-commercial bids must be priced separately.
5. In case spares/accessories are applicable, their list and price should be clearly indicated separately.
6. The price must be stated for each item separately. The percentage of reduction, in the unit price should also be quoted, should an order to that extent be placed with you.
7. The bids shall be evaluated on the basis of price quoted for Simultaneous TGA-DTA and standalone DSC in the Commercial bid.
8. Any information related to essential accessories or optional accessories, should be mentioned in remarks column.

Tender documents prepared by: Name, Designation and Signature:

Tender documents approved by: Name, Designation and Signature:

(END OF SECTION VI)

SECTION –VII ANNEXURES (STANDARD FORMATS)
ANNEXURE A TENDER ACCEPTANCE LETTER
(To be submitted on Company Letter Head)

Date: _____

To,

The Director Sophisticated Test and Instrumentation centre
Cochin University Campus, Kochi 682022, Kerala India
SUB: Acceptance of Terms & Conditions of Tender.

Tender Reference No./ Date:
Name of Tender / Work:

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: www.sticindia.com as per your advertisement, given in the above-mentioned website(s).
2. I / We hereby certify that I / We have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedules(s), etc.), which form part of the contract agreement and I / We shall abide hereby by the terms / conditions/ clauses contained therein.
3. The corrigendum(s) issued from time to time by your department / organization too has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department/Public sector undertaking.
6. I / We do hereby declare that our firm shall submit the Performance Guarantee of 10% the order value in case STIC Kochi decides to place the Purchase Order.
7. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the fully said earnest money deposit absolutely.

Yours Faithfully,

Authorized Signatory:
(Signature of the Bidder, with Official Seal)

ANNEXURE B

AUTHORIZATION LETTER

AUTHORIZATION

We _____(name of the bidder) hereby authorise Shri / Smt. _____(name of the authorised person) to sign and submit the bid to STIC Kochi against their Tender No. _____ dated _____. Shri / Smt. _____(name) is also authorised to negotiate the terms and conditions pertaining to the said tender on behalf of M/s _____(name of bidder). The specimen signature of Shri / Smt. _____(name) is appended below.

Specimen Signature:

Name:

The undersigned is authorised to delegate the authority on behalf of M/s _____(name of bidder), as stipulated above

For _____
(name of bidder)

Signature & Company Seal:

Name:

Designation:

Email:

Mobile No.:

ANNEXURE C

SUMMARY INFORMATION SHEET

Sl. No	Information Heading	Details
1.	Name of the vendor	
2.	Name of the person(s) to whom, all references shall be made, regarding this TENDER/PROJECT(Authorized Signatory)	
3.	Address of the contact person	
4.	Designation of the contact Person	
5.	Telephone number(s) of the contact person	
6.	Mobile number of the contact person	
7.	Fax number of the contact person	
8	Email id of the contact person	
9.	Annual Turnover (in lakhs) : last three years in INR	1. 2. 3.
10.	Years of operation (in years)	
11.	PAN	
12.	GSTN	
13.	Bank Name and Account number	
14.	IFS code	

Authorized Signatory:
(Signature of the Bidder, with Official Seal)

ANNEXURE D

PROFORMA OF BANK GUARANTEE

(on non-judicial paper of appropriate value)

To

The Director

Sophisticated test and Instrumentation center

Cochin University Campus, Kochi 682022 Kerala India

BANKS GUARANTEE NO:

DATE:

Dear Sir(S)

This has reference to the Purchase Order No. Dated been placed by STIC Kochi on M/s (Name & Address of Bidder) for supply, installation, commissioning and warranty of (description of items) at client's site.

The conditions of this order provide that the Bidder shall,

1. Arrange to deliver the items listed in the said order to the consignee, as per details given in said order, and
2. Arrange to install and commission the items listed in said order at client's site, to the entire satisfaction of STIC Kochi and
3. Arrange for the comprehensive warranty service support towards the items supplied by Bidder on site as per the warranty clause in said purchase order.

M/s (Name of bidder) has accepted the said purchase order with the terms and conditions stipulated therein and have agreed to issue the performance bank guarantee on their part, towards promises and assurance of their contractual obligations vide the Supply Order No. M/s. (name of vendor) holds an account with us and has approached us and at their request and in consideration of the promises, we hereby furnish such guarantees as mentioned hereinafter.

STIC Kochi shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other undertaking of security in respect of the suppliers obligations and / or liabilities under or in connection with the said contract or to vary the terms vis-a – vis the supplier or the said contract or to grant time and or indulgence to the supplier or to reduce or to increase or otherwise vary the prices or the total contract value or to forebear from enforcement of all or any of the obligations of the supplier under the said contract and/or the remedies of STIC Kochi under any security now, or hereafter held by STIC Kochi and no such dealing(s) with the supplier or release or forbearance whatsoever shall have the effect of releasing the bank from its full liability of STIC Kochi hereunder or of prejudicing right of STIC Kochi against the bank.

This undertaking guarantee shall be a continuing undertaking guarantee and shall remain valid and irrevocable for all claims of STIC Kochi and liabilities of the supplier arising up to and until _____(date).

This undertaking guarantee shall be in addition to any other undertaking or guarantee or security whatsoever that STIC Kochi may now or at any time have in relation to its claims or the supplier's obligations/ liabilities under and / or in connection with the said contract and STIC Kochi shall have the full authority to take recourse to or enforce this undertaking guarantee in preference to the other undertaking or security(ies) at its sole discretion and no failure on the part of STIC Kochi in enforcing or requiring enforcement of any other undertaking or security shall have the effect of releasing the bank from its full liability hereunder.

We_(Name of Bank) hereby agree and irrevocably undertake and promise that if in your (STIC Kochi's) opinion any default is made by M/s_(Name of bidder) in performing any of the terms and /or conditions of the agreement or if in your opinion they commit any breach of the contract or there is any demand by you against M/s_(Name of bidder), then on notice to us by you, we shall on demand and without demur and without reference to M/s_(Name of bidder), pay you, in any manner in which you may direct, the amount of Rs. /- (Rupees _____ _Only) or such portion thereof as may be demanded by you not exceeding the said sum and as you may from time to time require. Our liability to pay is not dependent or conditional on your proceeding against M/s_(Name of bidder) and we shall be liable & obligated to pay the aforesaid amount as and when demanded by you merely on an intimation being given by you and even before any legal proceedings, if any, are taken against M/s_(Name of bidder)

The Bank hereby waives all rights at any time inconsistent with the terms of this undertaking guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the supplier (whether or not pending before any arbitrator, Tribunal or Court) or any denial of liability by the supplier or any order or any order or communication whatsoever by the supplier stopping or preventing or purporting to stop or prevent payment by the Bank to STIC Kochi hereunder.

The amount stated in any notice of demand addressed by STIC Kochi to the Bank as claimed by STIC Kochi from the supplier or as suffered or incurred by STIC Kochi on the account of any losses or damages or costs, charges and/or expenses shall as between the Bank and STIC Kochi be conclusive of the amount so claimed or liable to be paid to STIC Kochi or suffered or incurred by STIC Kochi, as the case may be and payable by the Bank to STIC Kochi in terms hereof.

You (STIC Kochi's) shall full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s_(Name of bidder) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s (name of bidder) which under law relating to the sureties would but for the provisions have the effect of releasing us.

You will have full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s_(Name of bidder) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s_(Name of bidder) which under law relating to the sureties would but for the provisions have the effect of releasing us.

Your right to recover the said sum of Rs. _/- (Rupees_only) from us in manner aforesaid will not be affected/ or suspended by reason of the fact that any dispute or disputes have been raised the said M/s_(Name of bidder) and/ or that any dispute or disputes are pending before any officer, tribunal or court or Arbitrator.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said M/s_(Name of bidder) but shall in all respects and for all purposes be binding and operative until payment of all dues to STIC Kochi in respect of such liability or liabilities.

Our liability under this guarantee is restricted to Rs. _____ /-

(Rupees_____Only). Our guarantee shall remain in force until unless a suit action to enforce a claim under guarantee is filed against us within six months from (which is date of expiry of guarantee) all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

We have power to issue this guarantee in your favour under Memorandum and Articles of Association of our Bank and the undersigned has full power to do under the power of Attorney dated.

Notwithstanding anything contained herein:

- a) Our liability under this guarantee shall not exceed Rs_____(in words)
- b) This bank guarantee shall be valid up to_& unless a suit for action to enforce a claim under guarantee is filed against us within six months from the date of expiry of guarantee. All your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there after i.e. after six months from the date of expiry of this Bank guarantee
- c) We are liable to pay the guaranteed amount or any parts thereof under this bank guarantee only and only if you serve upon us a written claim or demand or before _____
- d) The Bank guarantee will expire on (Min 38 months from the date of successful installations of the items in the order) _Granted by the Bank

Signature of the authorized officer of the bank

Name of the officer_____

Designation of the officer_____ Seal, name, email and address of the Bank and address of the Branch.

Supply and Installation of Simultaneous TGA-DTA and Standalone Differential Scanning Calorimeter at STIC Kochi

ANNEXURE E
PREVIOUS WORK ORDER DETAILS
 (To be submitted on Company Letter Head)

Evaluation Criteria	Name of the Client	Order No. & Date	Amount	Remark
List of Purchase Orders where the similar type of Setup Supplied and installed by you	1.			Supporting document are to be attached
	2.			
	3.			
	4.			
	5.			
	6.			

Date:

Place:

Name:

Authorized Signatory

Contact No. :

**Supply and Installation of Simultaneous TGA-DTA and standalone DSC at STIC
Kochi**

ANNEXURE F

TURNOVER DETAILS

(To be submitted on Company Letter Head)

Evaluation Criteria			Remark
Bidder's Annual Turnover for last three financial years	Financial Year	Turnover in Rs.	
	2018-19		Supporting Documents are to be attached.
	2017-18		
	2016-17		

Authorized Signatory:

(Signature of the Bidder, with Official Seal)

**Supply and Installation of Simultaneous TGA-DTA and standalone DSC at STIC
Kochi**

ANNEXURE G

CHECK LIST - UNDERTAKING

S.NO	Document Description	Enclosed (Yes/No)	Page No.	Remarks
1	Tender fee			
2	EMD payment advise of Rs. 70,000/-			
3	OEM/ Authorized dealer certificate			
4	Details of Similar setups in different institutes as mentioned supplied			
5	Certificate of incorporation/ Registration			
6	Annual turnover details and Income tax returns for last three years			
7	Signed copies of Annexures-A,B,C,E,F,1 A, and II.			
8	Details of Technical Compliance			

I / We do hereby declare that all the above mentioned documents are enclosed as per the tender document.

Authorized Signatory:

(Signature of the Bidder, with Official Seal)

PROFORMA OF PRELIMINARY AGREEMENT (ANNEXURE 1A)

(To be executed on stamp paper of value Rs.200/- and submitted along with tender).

Preliminary agreement entered into on this day of Between STIC Kochi, (Hereinafter called ACCEPTING AUTHORITY) on one part and M/s.....
.....(Hereinafter called the CONTRACTOR) on the other part for the execution of the agreement as well as the execution of the (purchase and installation of simultaneous TGA-DTA, standalone DSC) And whereas the notice inviting tenders it is stated as follows. Before commencing the work of within a week of the date when the acceptance of tender has been intimated to him, the tenderer shall deposit a sum of Rs.....(As per NIT) which shall be treated as security for the proper fulfillment of the same and he shall execute an agreement for the work in the scheduled form of agreement. If he fails to do this or fail to maintain a specified rate of progress, the security deposit shall be forfeited to ACCEPTING AUTHORITY and fresh tenders shall be called for or the matter otherwise disposed. If as a result of such measures due to the default of the tender to pay the requisite deposit sign contracts to take possession of the work any loss to the ACCEPTING AUTHORITY results, the same will be recovered from him as arrears of revenue but should it be a saving to ACCEPTING AUTHORITY the original contractor shall have no claim whatever to the difference. Recoveries to this or any other account will be made from the sum that may be due to contractor on this or any other contracts or under the Revenue Recovery Act or otherwise as ACCEPTING AUTHORITY may decide.

Now therefore these present witness and it is mutually agreed as follows:

1. The terms and condition for the said contract having been stipulated in the said tender form to which the contractor has agreed, a copy of which is appended, and which forms part of this agreement, it is agreed that the terms and conditions stipulated there in shall bind the parties to this agreement, except to the extent to which they are abrogated or altered by express terms and conditions herein, agreed to and in which respect the express provisions herein shall supercede those of the said tender form.

2. The Contractor hereby agree and under take to perform and fulfil all the operation and obligations connected with the execution of the said contract work viz. – (purchase and installation of simultaneous TGA-DTA, standalone DSC)
3. If the Contractor does not come forward to execute the original agreement after the said work is awarded and letter of acceptance issued in his favour or commits breach of any of the conditions of the contract as stipulated the Notice inviting Tenders as quoted above within the period stipulated, ACCEPTING AUTHORITY may rearrange the works otherwise or get it done otherwise at the risk and cost of the contractor and the loss so sustained by ACCEPTING AUTHORITY can be realising from the contractor under the Revenue Recovery Act as if arrears of land revenue as assessed, quantified and fixed by an adjudicating authority consisting of ACCEPTING AUTHORITY or any other officer or officers authorised by ACCEPTING AUTHORITY taking into consideration the prevailing rates and after giving due notice to the Contractor. The decision taken by such authorised officer or officers shall be final and conclusive and shall be binding on the contractor.
4. The contractor further agrees that any amount found due to ACCEPTING AUTHORITY under or by virtue of this agreement shall be recoverable from the Contractor from the Contractor from his EMD and his properties, movable and immovable as arrears of land revenue under the provision of the Revenue Recovery Act for the time being in force or in any other manner as ACCEPTING AUTHORITY may deem fir in this regard.

In witness where of Sri....., NAME OF ACCEPTING AUTHORITY and
Sri.....

Contractor, have set their hands on the day and year first above written,

Signed by Sri.....,

In the presence of witness

1.

2.

Signed and delivered by Sri....., Contractor, in the presence of witness.

1.....

2.....

ANNEXURE-I

WARRANTY CERTIFICATE

We Warrant that all the machines, equipments and accessories supplied by us under the Purchase Order bearing No. _____ Dated _____, shall be brand new, free from all defects - patent or latent and faults in materials, workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type ordered and shall be in full conformity with the specifications, drawing or samples and shall operate properly. We shall be fully responsible for its efficient performance. This Warranty shall survive irrespective of any payment or acceptance of the goods but shall expire after (except in respect of complaints and all manufacturing defects of which we have been notified prior to such date) five years after the installation and acceptance of equipments by STIC

The obligations under the Warranty expressed above shall include all costs relating to labour, spares, maintenance (preventive and unscheduled/breakdown service) and transport charges from site to the manufacturers work place and back and free repair/adjustment or replacement at site or any parts of the equipment which under normal and proper use and maintenance proves defective in design, material or workmanship or fails to conform to the specifications previously given by the STIC to us. This Warranty shall bind us, our assigns and successors.

Date :
Name & Designation
Seal

Signature of Bidder

ANNEXURE II

Format of Technical Compliance of Specifications

Name of Equipment:.....

Sl. No	Details of Specifications/ Parts/ Accessories of Tender Enquiry	Specifications of Quoted Model/ Part/ Accessory	Compliance Yes / No	Deviation, if any to be indicated in unambiguous terms (The compliance / Deviation should be supported by relevant Technical Literature)	Technical Justification for the Deviation, if any. If specification is superior / inferior than asked for in the enquiry, it should be clearly indicated in the justification
1	Specifications for instrument				

Date :

Signature of Bidder
Name & Designation

